

FROM THE DIRECTOR'S DESK



It is a matter of great pleasure for me to place the progress and achievements during 2017-18 in the form of Annual Report of the Kumarappa National Handmade Paper Institute, Sanganer, Jaipur (an autonomous body under KVIC-Ministry of MSME).

The team of the scientists, staff and all the employees contributed in terms of technologies developed and to increase the IRG of the Institute. During the year, the Institute has initiated diversified training programs including summer training program for University/College students, quality management training courses for paper industry and handmade paper industry, Workshop on “Recycling of waste paper to make handmade paper” and “Swachh Bharat-Utilization of waste for making value added paper”. The Institute has given training as entrepreneurship training for handmade paper making. The students of reputed schools, colleges and universities have undergone training cum workshop from KNHPI and understood the skills of handmade paper making.

KNHPI has been felicitated with the Best innovation award at National Banana Festival 2018 held in Kalliyoor, Thiruvananthapuram, Kerala from 17th to 21st February 2018.

The Institute has publications in reputed National and International journals based on the research studies conducted in KNHPI. The team has many things to its credit in terms of development& of alternate ligno-cellulosic raw materials, development and propagation of environment-friendly technologies through the use of natural dyes, bio-technology, effluent treatment systems, human resource development & training, project consultancy & technical services, pilot plant activities, transfer of technologies & dissemination of information through organizing workshops, seminars & conferences, publication of various research papers.

KNHPI is thankful to Indian handmade paper industry for their close interaction with the Institute and participation in various meetings conducted by the Institute. KNHPI pay special thanks to our valuable customers to whom the Institute has provided consultancy and technical services during the year.

The Institute has shown remarkable growth during the year and developed technologies not only limited to handmade paper sector keeping the eco-friendly credentials of the mother earth intact and help in generating employment in handmade paper making through various training programs rendered in Kumarappa National Handmade Paper Institute, Jaipur.

(Kunj Bihari)
Dy. Director I/c
KNHPI, Jaipur

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A. KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE

Kumarappa National Handmade Paper Institute is one of its kinds in whole of the Asia which came into existence out of UNDP-KVIC GOI project and emerged as a world class center 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. MANAGEMENT

GOVERNING COUNCIL OF KNHPI

The Governing Council is listed below:

- | | |
|---|----------------|
| 1. Hon'ble Chairman | President |
| Khadi & V. I. Commission,
3, Irla Road, Vile Parle (W)
<u>MUMBAI – 400 056.</u> | |
| 2. Chief Executive Officer | Vice President |
| Khadi & V. I. Commission,
3, Irla Road, Vile Parle (W)
<u>MUMBAI – 400 056.</u> | |
| 3. Jt. Secretary | Member |
| Ministry of Micro, Small & Medium Enterprises,
Govt. of India,
Udyog Bhawan,
<u>NEW DELHI – 110 011.</u> | |
| 4. Financial Advisor | Member |
| Khadi & V. I. Commission,
3, Irla Road, Vile Parle (W)
<u>MUMBAI – 400 056.</u> | |
| 5. Dy. Chief Executive Officer (NZ) | Member |
| Khadi & V. I. Commission
MDTC, Gandhi Darshan
Rajghat,
<u>NEW DELHI.</u> | |
| 6. Dr. Vimal Kumar | Member |
| Retired Advisor DST –GOI New Delhi
E-89,2 nd Floor, Greater Kailash –I,
<u>NEW DELHI</u> -110048 | |
| 7. Director | Member |
| Central Pulp & Paper Research Institute,
Paper Mills Road,
Himmat Nagar,
<u>SAHARANPUR. FAX: 0132-2714052</u> | |

8. The Chief Executive Officer
Mizoram Khadi & V. I. Board,
ZORUN (Rev. Dr. Zairema Building),
Zarkawt,
AIZAWL – 796007 (MIZORAM). Member
9. The Secretary
Rajasthan Khadi & V. I. Board,
Gokulbhai Bhatt Memorial Bhawan,
J.L.N. Marg, Near Telephone Exchange,
Bajaj Nagar,
JAIPUR. Member
10. Shri Alimuddin Kagazi
Managing Director
Salims's Handmade Paper Industry,
Gramodyog Road,
Sanganer, **JAIPUR.** Member
11. The Director
Handmade Paper & Fiber Industries
Khadi & V. I. Commission
3, Irla Road, Vile Parle (W) **MUMBAI- 400 056** Member
12. Dr. R.K. Jain, (Tech Expert, UNIDO)
Former Director, KNHPI & CPPRI
Saharanpur -247001 Member
13. Head of Department
Indian Institute of Technology Roorkee
Department of Paper Technology
Paper Mill Road
Saharanpur-247001 Member
14. The Director
Kumarappa National Handmade Paper Institute
Ramsinghpura, Sikarpura Road,
Sanganer,
JAIPUR. Member Secretary

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 Sangbu Tsering Bhutia, Gangjong Paper Industry Kalimpong
- E. Shri C.S.Kelkar Heritage Industries Pune (West Zone)-
Zephyr Papers, Lower Nandok, P.O. – Ranipool, East Sikkim

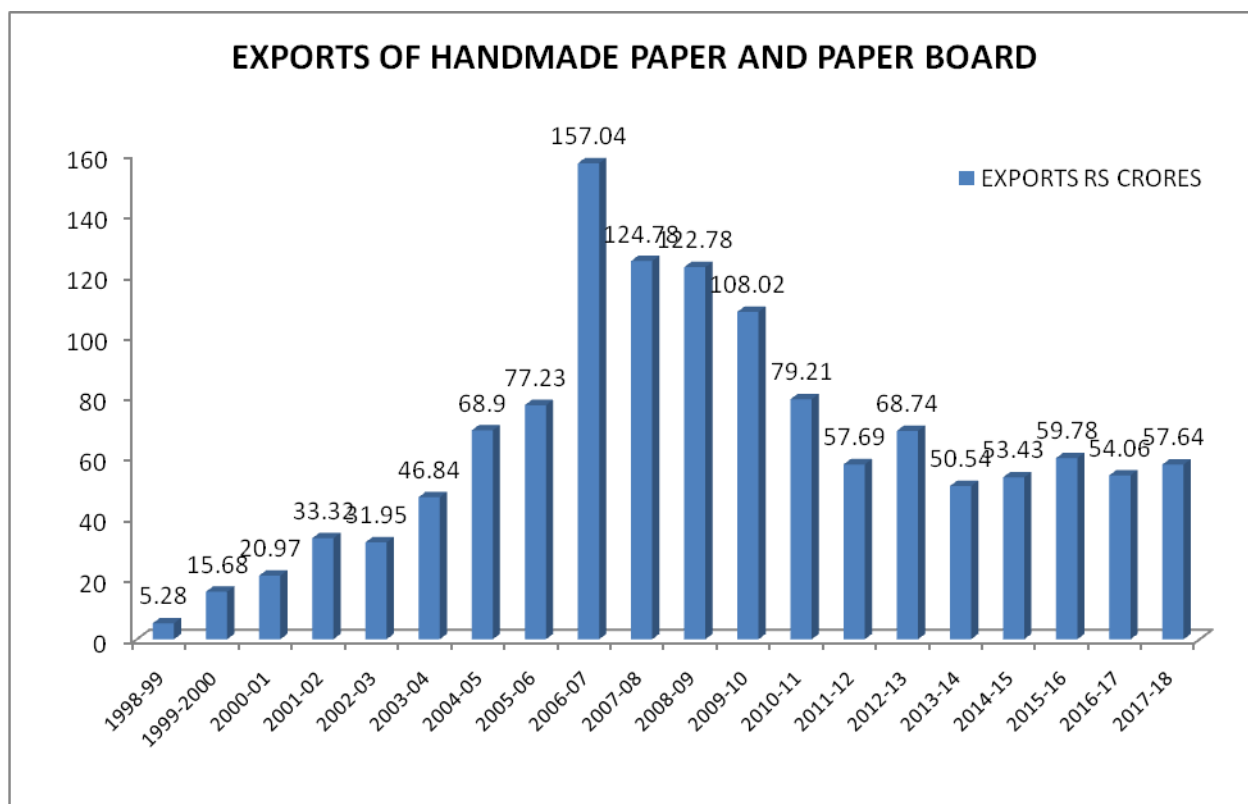
RESEARCH ADVISORY BOARD

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
Shri Kunj Bihari,	Dy. Director I/c,	KNHPI

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.

The Indian handmade paper got recognition on export market front. The Figure below gives the scenario of export in values (Rs. /-)



The per capita consumption of paper is on the rise everywhere in the world. In India also the per capita consumption of paper has risen to little over 13 kg in the year 2017-18 against 4.5 in the year 2000.

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.

India's total forest cover increased by 0.94 per cent in the last two years, shows the **State of Forest Report 2017**, released by the Union Environment Minister Harsh Vardhan and Mahesh Sharma, Minister of State, Ministry of Environment & Forests and Climate Change (MoEFCC). The 15th State of Forest Report shows that India's total forest cover increased by 0.94 per cent, from 7,01,673 square kilometers to 7,08,273 square kilometers since its last assessment in 2015. The biannual report is prepared by The Forest Survey of India (FSI), a body under MoEFCC, which conducts surveys and assessment of forest resources in the country. The total forest and tree cover is 24.39 per cent of the geographical area of the country," said the minister. However, India has been trying to achieve to put 33 per cent of its geographical area under forest but has failed to do so. The handmade paper is a suitable way to protect our forest area by making paper from non-woody material.

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 and disturbing the environment. One of the potential solution to un-employment and protecting the environment is handmade paper making. Number of small scale handmade paper units based on locally available non-forest based raw materials which are now 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. MAJOR ACHIEVEMENTS OF KNHPI

Highlights:

1. Visit of the Hon'ble Chairman, KVIC along with Member (NZ) and Expert Member, KVIC on 12th Nov., 2017. In the review meeting different works were allocated to scientific staff. Following Projects/work for KNHPI has been approved.
 - (i) "Utilization of Waste in to Wealth by making Pencils by using Waste Paper / Handmade Paper Trim"
 - (ii) "Product Development and Value Addition from Handmade Papers & Paper Boards"
 - (iii) "Development of Wet Tissue, Herb & Cosmetics Paper and Design Development with Screen/Block Printing"
 - (iv) Development of Carry Bag samples were given for supply in Khadi Bhawan.
 - (v) Development of Handmade Paper from Water Hyacinth.

2. Participation of Institute in International Trade Fair at New Delhi (14-27Nov)
3. Participation at Paporex 2017 (13thInternational Exhibition on Pulp &Paper) at Pragati Maidan, New Delhi.
4. Pouch Making for Facial Tissue & different handmade paper samples developed.
5. Project Proposal of RS.2, 06, 80,000/- only for setting Handmade Paper Units in N.E.Zone, India has been submitted to Dept. of Science and Technology, New Delhi.
6. Supplied File Covers made from handmade paper to Patna Khadi Bhawan -Earned IRG.
7. Project Proposal of RS.32,77,500/- only for pre-feasibility study of Handmade Paper made from available raw materials N.E.Zone, India i.e. “Development of Eco-friendly Handmade Paper & Paper Board from Bamboo & other ligno-cellulosic raw materials available in NE region”. has been submitted to Dept. of Science and Technology, New Delhi.
8. KNHPI has been felicitated with the Best innovation award at National Banana Festival 2018 held in Kalliyoor, Thiruvananthapuram, Kerala from 17th to 21st February 2018.

D. INTERNAL REVENUE GENERATION OF KNHPI

The IRG of the Institute in the year 2017-18 is Rs. 9, 33,780/-.

E.PROGRESS AND ACTIVITIES OF THE INSTITUTE

The details of the activities taken up in the year 2017-18 are as follows:

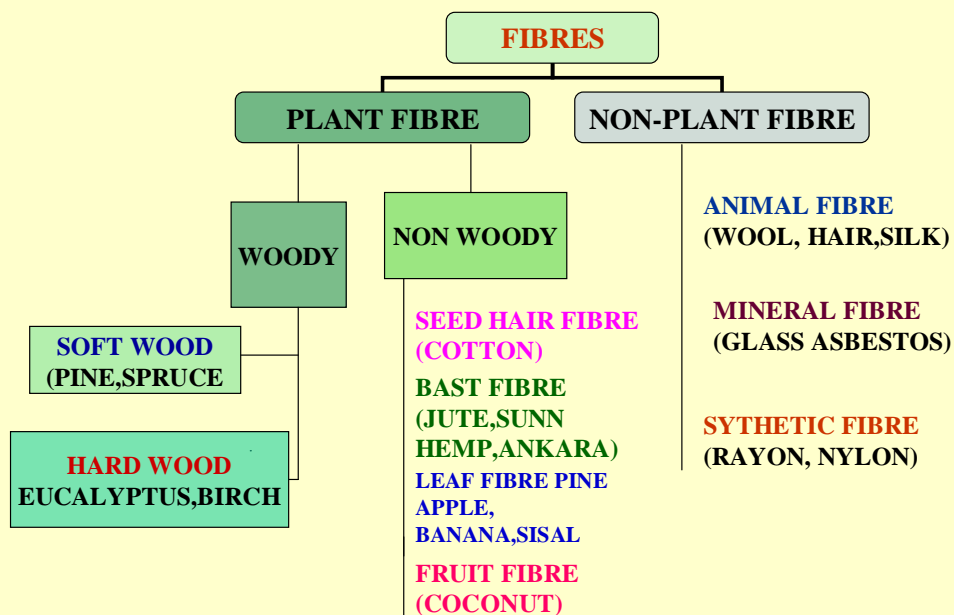
RAW MATERIAL AND PROCESS RESEARCH

		PROJECTS FOR 2016-17	Status
1 ST QTR	1	To Develop Appropriate Technology For developing Leather paper boards for Shoe industries.	Completed
2 ND QTR	2	To Develop Appropriate Technology For developing mosquito repellent papers.	Completed
3 RD QTR	3	To Develop Appropriate Technology For thermal resistant papers from Jute Fibers	Carry Forward
4 TH QTR	4	To develop Thermostat paper from Jute fiber using Enzymatic route	Report under preparation
	5	To Develop Appropriate Technology For Kapas	Completed
	6	Energy Conservation Studies using Bio-refining	Taken in Next year
	7	To develop Thermostat paper from Bagasse using Enzymatic route	Taken in Next Year

RAW MATERIAL AND PROCESS RESEACH

Raw material is the basic requirement for Paper making but that raw material should be cellulosic in nature. 80-90% of the paper constitutes the fibrous matter. The fibrous matter can be obtained from the following sources:

SOURCES OF FIBRES

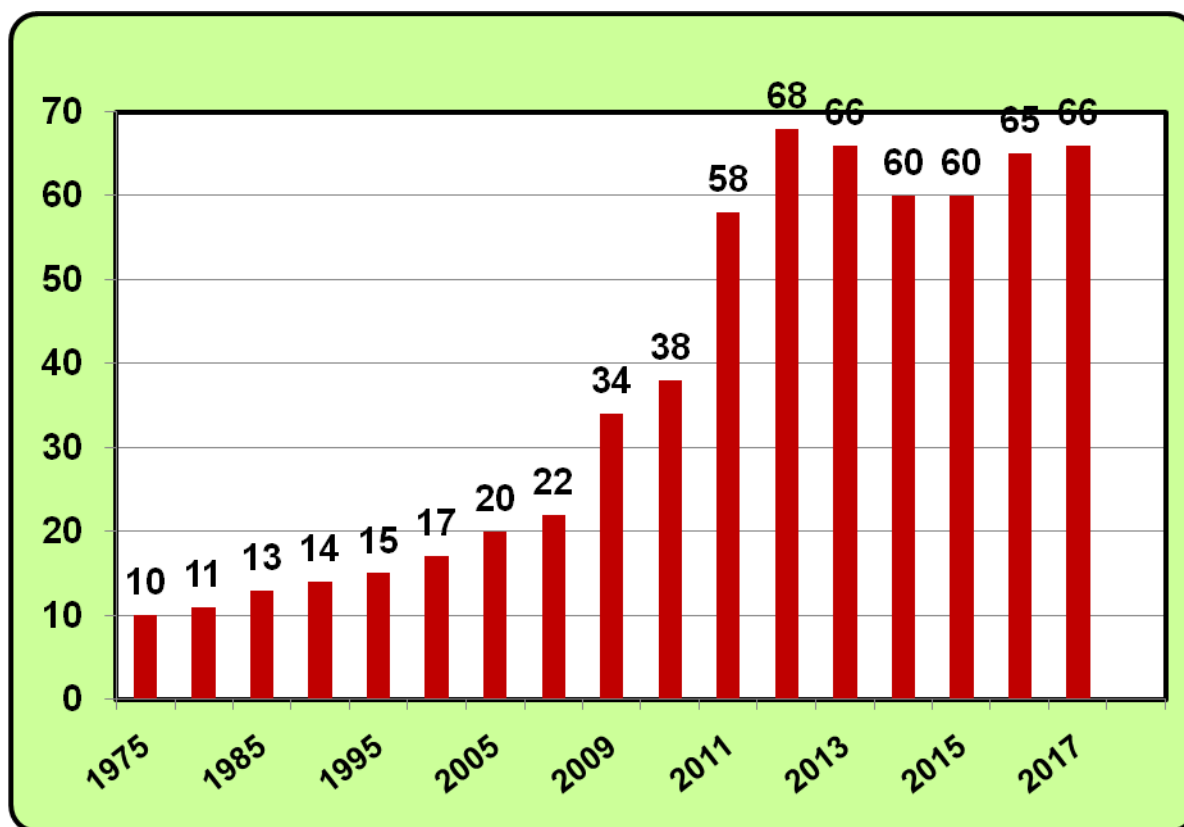


Non Plant Fibers cannot be used 100% for paper making. There is a limitation to their use in paper making. Whereas, paper making all over the world is predominantly being done using forest based woody raw materials causing all sorts of environmental problems and deforestation.

For handmade paper sector, the only option that is left is the use of Non woody raw materials which are rich in cellulose and low in lignin content can be the best choice.

The raw material being used by Indian Handmade Paper Industry is cotton hosiery waste, which is wastage from the hosiery industry and is already processed cotton fiber. The process for making handmade paper from cotton hosiery waste is quite simple. Therefore Indian handmade paper industry has not adopted any other raw material which is equally suitable for handmade paper. Now a days, cotton hosiery waste is scarcely available and getting costlier day by day. Therefore availability and prices are affected very much.

COST OF HOSIERY WASTE YEAR-WISE



1.1 Handmade paper making from natural dye extracted from temple flower waste

In India, flowers play a major role in worshipping and huge amount of flower are offered in temples, eventually generating quantum of flower waste. The temples situated on the banks of holy rivers are polluted by routine disposal of flowers waste from thousands of temples at their banks. In the remaining areas, temple flower waste is being dumped along with other regular waste. Similarly, dry coconut waste is being generated in temples after being offered for worshipping. Dr Saakshy, RA KNHPI showed the handmade paper dyed with natural dyes extracted from temple flower waste and the residue as a raw material for “Hawan Samagris” to Shri Vinai Kumar Saxena, Honorable Chairman, Khadi & Village Industries Commission during his visit in Kumarappa National Handmade Paper Institute, Jaipur. The Honorable Chairman found this very interesting and directed Dr. Saakshy to evaluate the calorific value of the flower waste along with Coconut waste (both dry and green) for its utilization in “Hawan Samagris”. He has shown great concern that the coconut shell is found on the sides of roads and clog the sewage channels as there is no systematic way of collection and use of coconut waste. Moreover, coconut shell becomes breeding place for mosquitoes and other organisms. Accordingly, the samples (coconut waste and temple flower waste) were evaluated for its gross calorific value from external testing agency.

The gross calorific value of coconut (dry and green) and temple flower waste was found to be better than cow dung, wood and agricultural residues. The results were compared with calorific value of commercially available “Hawan Samagri” of a reputed company. The gross calorific value of temple flower waste and coconut waste was far better to commercially available “Hawan Samagri” without addition of additional components in comparison to market available “Hawan Samagri” having additional constituents to be used for worshipping.

TEMPLE FLOWER WASTE PREPARED IN KNHPI AFTER EXTRACTION OF NATURAL DYE



Temple flower waste



Handmade paper making from temple flower waste

1.2 Utilization of water hyacinth for making handmade paper

Raw material collection

The water hyacinth was collected from Ambabari region of Jaipur.



Experimental studies

The pulping studies were conducted for conversion of water hyacinth into pulp form. The water hyacinth was cooked in digester at specific conditions.





Handmade paper bag made from water hyacinth and cotton rags blended pulp



Handmade paper carry bag made out of water hyacinth pulp

1.3 UTILIZATION OF WASTE BANANA FOR MAKING HANDMADE PAPER/BOARD

Raw material collection

The waste banana was collected from vegetable sabji mandi of Muhana, Jaipur after visit made by Dr. Saakshy, RA.



Experimental studies

The chopped banana waste is then fed to digester and cooked at specific conditions.



The cooked pulp is then refined in Laboratory Disc refiner.



The sheets of 22*30 inches have been made in one of the local handmade paper unit at Sanganer Jaipur



Banana handmade paper sheets after pressing

Various handmade paper products made from banana waste from mandis and photograph of one of the product is shown below.



Photo Frame

2. HUMAN RESOURCE DEVELOPMENT

Under Training Program, the Institute conducted various training courses during the year 2017-18.

TOTAL TRAINING AT KNHPI DURING 2017-18

YEAR	OTP	SOC	CC	EDP /MD	ONE DAY TRG	CDP/PDD/SDP	SFURTI RADAUR	OTHERS	TOTAL
2017-18	0	0	21	07	126	0	0	66	231
TOTAL	512	233	530	987	150	277	278	1058	4038

TRAINING AT KANHPI FROM APR., 2017 TO MAR., 2018

S. No.	NAME OF TRAINING	TIME PERIOD	NO. OF CANDIDATE
1.	Condensed course training program	05 DAYS	21
2.	EDP training on handmade paper	02 DAYS	07
3.	Summer training on handmade paper making	ONE MONTH	02
4.	Specialized training on handmade paper making	03 DAYS	01
5.	Training for Ph. D. Student	SIX MONTHS	01
6.	B.Tech. Dissertation in Chemical Engineering	SIX MONTHS	03
7.	M.Sc. (Microbiology)	THREE MONTHS	01
8.	M.Sc. (Environment)	SIX MONTHS	02
8.	One day training cum workshop on “Recycling of waste paper & handmade paper making” and “Swachh Bharat-Utilization of waste for making value added paper”.	ONE DAY	126
9.	Industrial training program on “Quality management in handmade paper making”	03 DAYS	03
10.	Industrial training program on “Quality management in paper making”	05 DAYS	02
11.	Exposure visit cum training	01 DAY	01
12.	Others		50
	TOTAL		231

PhD training

- Miss Isha Yadav, Research Scholar, KANHPI and The IISU, Jaipur pursuing PhD on “Sustainable Utilization of Temple Waste to Promote Green Temple Concept” has successfully completed her research work on “Exploring the possibilities of handmade papermaking from flower waste of temples” under the guidance of her Research Co-Supervisor, Dr. Sunita Chauhan, Biotech Lab I/C during the period from 8th Feb’2016 to 12th Aug’2016 at KANHPI. *The certificate was issued to her vide no. KANHPI/Biotech-PhD/2017-18/193, dated 2.06.2017.*
- Miss Sushmita Aswal, Research Scholar, KANHPI and The IISU has been registered for her PhD on “*Evaluation of white rot fungal cultures for biopulping of Calotropisprocera*” under the guidance of Dr. Sunita Chauhan, Biotech Lab I/C at KANHPI. During this year, she has joined KANHPI again for one more semester on 27th July, 2017.

Dissertation training

- **Ms Sakshi Sinha, Ms Soumya Sharma and Ms, Shiwani**, Students of B.Tech (Chemical Engineering) of Banasthali University, have completed dissertation training under guidance of Dr Saakshy, RA. KNHPI from June 2017
- Miss Juhi Sehrawat and Miss Bharti, M.Sc. (Environmental Sciences), Final year, Banasthali University, Tonk for six months dissertation training under guidance of Dr. Sunita Chauhan, RA.
- Miss Meenakshi Rajput, M.Sc. (Microbiology), IIS University, Jaipur for three months training under guidance of Dr. (Mrs.) Sunita Chauhan, RA.

One day training cum Workshop

- One day training cum workshop on “Recycling of waste paper for handmade paper making” for 30 students of IIS University, Jaipur on 10th August 2017.
- One day training cum workshop for 14 students of Dr. B Lal Institute of Biotechnology, Jaipur on 24th July 2017.
- One day training cum workshop on “Recycling of waste paper for handmade paper making” for 19 students of Jaipur National University, Jaipur on 23rd August 2017.
- 45 Students and 06 Faculty of Department of Chemical Engineering, Banasthali Vidyapeeth, Banasthali participated in One Day Demonstration cum Training Workshop on “**Advanced Waste Water Treatment Techniques and Role of Handmade Paper in Environment Management**” on 15th November 2017. During the workshop, the lecture was given on various schemes of KVIC including PMEGP was explained to the students and faculty by Mr. A K Garg, Dy. Director I/c, State Office, KVIC, Jaipur. The handmade paper making was demonstrated in pilot plant of the Institute in which the staff and senior faculty participated to make students learn about handmade paper making. The certificates were distributed to the students after successful completion of the workshop.
- The one day workshop was conducted on “Swachh Bharat-Utilizing waste for making value added paper / products” for 13 students of B.Tech. Chemical Engineering, J K Lakshmipat University, Jaipur.

NEW TRAINING INITIATED BY THE INSTITUTE

The Institute has initiated some new training programs which are as stated below:

- Quality Management in Handmade paper making.
- Quality Management in paper making.
- Summer training program.

QUALITY MANAGEMENT IN HANDMADE PAPER MAKING

- ❖ The training program has been initiated on Quality Management in Handmade Paper Making. The said training started from 20th September 2017.
- ❖ The training program has been initiated on Quality Management in Paper Making. The said training started from 3RD November 2017 to 7th November 2017.
- ❖ The second batch of Quality Management training started from 27th November to 1st December 2017.

Summer Training initiated:

- One month summer training to Miss AashnaSuneja, B.Tech. Chemical Engineering, Malaviya National Institute of Technology Jaipur was conducted under guidance of from 31st May 2017 to 30th June 2017 and to Mr. Parth, Samariya, B.Tech. (Chemical Engineering), J K LakshmiPat University, Jaipur from 19th May 2017 to 19th June 2017 was conducted under the expert guidance of Dr. Saakshy, RA, KNHPI.
- 03 days Residential Training on “Water Quality Analysis & Data Management” of Dr. Sangeeta Raut, Associate Professor, Dept. of Biotechnology, Gandhi Institute of Engineering & Technology, Gunupur was conducted in Environment Laboratory from 2nd June 2017 to 5th June 2017.

3. TECHNICAL AND CONSULTANCY SERVICES

The technical services were rendered to the following agencies:

1. Manak chand Rajendra Kumar, Jaipur
2. Fibres, New Delhi
3. Neelam Singh, Jaipur
4. Mustafa, Oman
5. Shah paper Co. Pune
6. Paperdom
7. Crescent papers, Jaipur
8. Umang Boards, Kaladera

4. 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 these 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 2017-18 the Institute under domestic market supplied the stationery items, like file covers, folders, Envelops blotters, etc:-

5. SPONSORED BY PROJECTS

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

S.N.	NAME OF THE PROJECT	PROJECT COST Rs. in lakh	Action plan
1.	Development of Wet Tissue, Herb &Cosmetics Paper and Design Development with Screen/Block Printing. <i>(Project under S&T , KVIC)</i>	12.66	Work is under progress.
2	Development of Eco-friendly Handmade Paper & Paper Board from Bamboo & other lignocellulosic raw material available in North East region <i>(Project under DST Govt. of India)</i>	30.90	Work is under progress.

6. SUBMISSION OF PROJECT PROPOSALS

The 2nd 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

- Uniform external sizing/coating of handmade paper
- Decolorization of mixed color hosiery cutting/tailor cutting and total chlorine free bleaching of ligno-cellulosic raw materials using ozonation and enzymatic route.
- Two project proposals submitted to Bureau of Indian Standards, New Delhi.

7. PARTICIPATION IN TRAINING/ EXHIBITION/CONFERENCES/ MEETINGS

PAPEREX 2017

The teams of KNHPI participated in 13th International Exhibition – Paperex’ 2017 on Pulp, Paper and allied products at Pragati Maidan, New Delhi from 1st to 4th November 2017.

National Banana Festival 2018

Dr. Saakshy, RA organized stall of KNHPI in exhibition of National Banana Festival 2018 at Kalliyoor, Thiruvananthapuram, Kerala from 17th to 21st February 2018. Shri G. Chandramouli, Member (SZ), KVIC and Shri Suresh Gopi, Member Parliament Rajya Sabha, visited KNHP stall on 17th February 2018 during Banana Festival 2018.

8. MEETINGS ORGANIZED/ATTENDED

2nd MEETING OF R&D TASK FORCE COMMITTEE OF KNHPI

On 17th November 2017, 1st meeting of R&D/Task Force Committee was held in which following members were present:

S.N	NAME	DESIGNATION
1	Dr. R K Jain, New Delhi	Chairman
2	Dr Vimal Kumar, New Delhi	Member
3	Shri Pramod Garg, Shankar Garmodyog SewaSansthan, Hapur	Member
4	Shri Alimuddin Kagazi, Handmade Paper & Board Industries, Jaipur	Member
5	Shri Kunj Bihari, Dy. Director I/c, KNHPI	Member Convener
6	Shri D K Chawla, Assistant Director-II, KVIC	Special Invitee

On 29th December 2017, 2nd meeting of R&D /Task Force Committee meeting of KNHPI was held in premises of the Institute. The committee comprised of the following members:

S.N	NAME	DESIGNATION
1	Dr. R K Jain, New Delhi	Chairman
2	Dr. Vimal Kumar, New Delhi	Member
3	Dr. S Greep, Dy. Director I/c, S&T KVIC, Mumbai	Member
4	Shri Pramod Garg, Shankar Garmodyog Sewa Sansthan, Hapur	Member
5	Shri Alimuddin Kagazi, Handmade Paper & Board Industries, Jaipur	Member
6	Shri A K Garg, State Director, KVIC, Jaipur	Special Invitee
7	Shri Kunj Bihari, Dy. Director I/c, KNHPI	Member Convener

25th GC MEETING OF KNHPI

25th GC meeting held on 31st July 2017 chaired by Shri Vinai Kumar Saxena, Hon'ble Chairman, KVIC

9. VISITORS AT KNHPI

During 2017-18, the Institute was visited by reputed delegates. Some of the prominent are mentioned as below:

1. Dr. Sheila Rai, Expert Member KVIC visited Institute on 24th July 2017
2. Dr. Neha Sharma and Dr. Jitendra Rajput, Faculty of Department of Chemical Engineering Faculty of J K Lakshmipat University, Jaipur visited KNHPI on 26th August 2017 and interacted with scientific staff of the Institute for future collaborations.
3. Shri B N Prasad, Chief Executive Officer, Khadi and Village Industries Board, Patna visited Institute on 16th November 2017

Exposure visit- Students of Bachelors of Fashion Lifestyles, Accessory Design, Mody University, Lakshmangarh had exposure visit on 16th February 2018.

10. VISIT OF KNHPI STAFF TO OTHER PLACE AND PRESENTATIONS / INVITED LECTURES

- Dr. Saakshy, RA participation in Bureau of Indian Standards Technical Committee meeting as an expert member on 9th November 2017.
- Dr Sunita Chauhan, RA KNHPI visited Department of Zoology, UOR, Jaipur, Dr B Lal Institute of Biotechnology Jaipur St .Wilfred's College, Mansarovar, Jaipur, IIS University, Jaipur Kaushal Bhawan, RSLDC, Jaipur DST, Dept. of Rajasthan, Mini Secretariat, Jaipur for various developmental activities and training programs.

- Dr. Saakshy, RA visited Banasthali Vidyapeeth and Jaipur National University, Jaipur for delivering the lecture on overview of handmade paper and activities of KNHPI to promote the students for joining the training being conducted by KNHPI.
- Dr. Saakshy, RA, KNHPI made presentation before the delegates regarding utilization of banana fiber and waste banana for paper making on 18th February 2018 during National Banana Festival 2018.
- Dr Sunita Chauhan, RA KNHPI visited the ITI College for women, Bani Park, Jaipur for the lecture on handmade papermaking and recycling of waste paper and motivation for the workshop/training on 23rd February 2018.

11. PUBLICATIONS

- Impact of natural dye *Nasturtium officinale* R.Br. on non-wood paper properties, Sartaj A Ganie, Saakshy Agarwal, Mohammad Aneesul Mehmood, International Journal of Advance Research in Science and Engineering, Vol. 6, Issue 11, pp: 914-922 (2017). ISSN: 2319-8354.
- Papermaking potential of *Amaranthus hybridus* stalks; Sustainable raw materials in paper industries, Sartaj A Ganie, Shoukat Ara, Saakshy Agarwal, Mohammad Aneesul Mehmood, Imtiyaz Murtaza Giri and Shakeel A Mir, Journal of Pharmacognosy and Phytochemistry, 6 (6), 2096-2100 (2017).
- Utilization of *Nasturtium officinale* R.Br. dye available in Kashmir valley for value added paper and paper products: A way forward towards green chemistry, Sartaj A Ganie, Saakshy Agarwal, Recent Innovations in Science Technology and Engineering (2017), ISBN: 978-93-86171-87-0.
- Exploration and feasibility of non-wood herbaceous weed as a raw material for the production of alkaline sulphite cellulosic pulp for paper making, Sartaj A Ganie, Saakshy Agarwal, Rouf Ahmad Bhatt and Mohammad Aneesul Mehmood, Asian Journal of Science and Technology, 11, 6545-6549.
- Dye yielding potential of *Prunus cerasiferavar, atropurpurea* in paper making: A way forward towards eco-friendliness, Sartaj A Ganie, Saakshy Agarwal, Mohamad Aneesul Mehmood, International Journal of Advance research in science and engineering, 6(11), 1739-1746 (2017).

12. REPRESENTATION IN EXTERNAL COMMITTEES

Bureau of Indian Standards, New Delhi

Dr Saakshy, RA KNHPI - Member of CHD 15 (Paper & its Products Sectional Committee),
 Dr.Saakshy, RAKNHPI - Nominated as alert member of alert panel CHD 15

13. CELEBRATION OF NATIONAL DAYS AND OTHER IMPORTANT DAYS

- **Yoga day**

Third International Yoga day was celebrated in KANHPI on 21st June 2017 to promote yoga for health mind, body and soul.

- **Independence day**

The Independence Day on 15th of Aug., 2017 was celebrated at KANHPI, Jaipur. Mr. Kunj Bihar, DD, I/c. hoisted the National flag and made a speech and greetings given to the staff and officers of the Institute. Mr. Kunj Bihari, Dy. Director I/c and Dr. Saakshy, RA sang patriotic song on the occasion.

- **Vishwakarma puja**

On the occasion of Vishwakarma Puja on 17th September 2017, the Vishwakarma puja was celebrated. Mr. Bhairav Dutt Sharma worshipping the Lord Vishwakarma.

- **Gandhi Jayanti**

Gandhi Jayanti was celebrated in KANHPI on 2nd October 2017.

- **Swachch Bharat Abhiyaan.**

The Swachch Bharat Abhiyaan at KANHPI was celebrated on 10th October 2018. The officials and the daily wages altogether clean their rooms and institute.

- **Republic day**

KANHPI celebrated republic day on 26th January 2018 in the presence of Dy. Director I/c and staff. Mr. Kunj Bihari, Dy. Director I/c, KANHPI hoisted the national flag followed by signing of national anthem.

14. AWARDS

Dr. Saakshy, RA, KANHPI received award for best innovative product in National Banana Festival on 23rd February 2018 from Shri. Suresh Gopi, Rajya Sabha, MP.

15. STAFF OF KNHPI**STATUS OF STAFF STRENGTH AS ON 31.03.2017**

	NAME OF POST	PAY SCALE	SANCTIONED STRENGTH	PRESENT STRENGTH	VACANCY
1	DIRECTOR	37400-67000 GP 10000	1	-	1
2	SCIENTIST F	37400-67000 GP 89000	1	-	1
3	DY.DIRECTOR	9300-34800 GP 5400	2	1	1
4	PILOT PLANT INCHARGE	9300-34800 GP 4800	1	-	1
5	SENIOR RESEARCH ASSTT.	9300-34800 GP 4200	4	2	2
6	RESEARCH ASSTT.	9300-34800 GP 4200	3	2	1
7	ACCOUNTANT	9300-34800 GP 4200	1	-	1
8	SUPDT	9300-34800 GP 4200	1	-	1
9	STENO	5200-20200 GP 2400	1	1	-
10	STORE KEEPER	5200-20200 GP 2400	1	-	1
11	LDC	5200-20200 GP 1900	1	1	-
12	ACCOUNTS ASSTT	5200-20200 GP 1900	1	-	1
13	DRIVER	5200-20200 GP 1900	1	1	-
14	LAB ASSTT	5200-20200 GP 1900	1	1	-
15	SKILLED OPERATOR	5200-20200 GP 1800	3	2	1
16	MTS	5200-20200 GP 1800	2	2	-
	TOTAL		25	13	12

STAFF POSITION AS ON 31.03.2017

S.N	NAME	DESIGNATION	QUALIFICATION	EXPERIENCE IN KNHPI
1	Mr. A P Jaiswal Mr. Kunj Bihari	Director, State Office, KVIC [1 st April 2017 to 30 th July 2017] Dy. Director I/c, State Office, KVIC, Jaipur [31-07-2017 to 01-07-2018]	-	Additional Charge as Dy. Director I/c, KNHPI
2	Mr. Ashwini Kumar Sharma	Dy. Director	B.Tech (Pulp and Paper)	21
3	Dr Atul Kumar	Senior Research Assistant	M.Sc. (Chemistry), B.Tech (Pulp & Paper), Ph.D. (Chemistry)	21
4	Moh. Esa Khan	Senior Research Assistant	M.Sc. (Chemistry), B.Tech (Pulp & Paper)	21
5	Dr. Saakshy	Research Assistant	M.Sc. (Ecology & Environment), M.Sc. (Pulp & Paper), B.Tech. (Chemical Engineering), Ph.D. (Pursuing Chemical Engineering)	20
6	Dr Sunita Chauhan,	Research Assistant	M.Sc. (Microbiology) , Ph.D. (Microbiology)	20
7	Mr. Anuj Kumar	Steno/PA to Director	M.Com	23
8	Dr Harshwardhan Sharma	LDC	PhD	23
9	Mr. Nizam Rangrej	Driver	8 TH Pass	23
10	Mr. Kamal Raj Sharma	Laboratory Assistant	Manager Course in Handmade Paper making from Handmade Paper Institute, Pune	14
11	Mr. Bhairav Dutt Sharma	Skilled Operator	12 th pass	20
12	Mr. Pankaj Sharma	Skilled Operator	MA	10
13	Mr. Ramprasad Sharma	MTS	12 th pass	23
14	Mr. Mohan Singh Adhikari	MTS	MA	20

16. FINANACIAL PERFORMANCE

FINANCIAL PERFORMANCE (FOR THE YEAR 2017-18)

A. EXPENDITURE UNDER NON PLAN FUND

SL. NO.	PARTICULARS	AMOUNT
1.	SALARY OF KNHPI STAFF	64,67,306.00
2.	CPF EMPLOYER'S CONTRIBUTION	2,21,033.00
3.	SUBSISTANCE ALLOWANCE TO MR. A. K. SHARMA, DY. DIRECTOR (U/S)	6,73,190.00
4.	T.A. (STAFF)	86,617.00
	TOTAL (A)	74,48,146.00

B. EXPENDITURE UNDER PLAN FUND

SL. NO.	PARTICULARS	AMOUNT
1.	CONVEYANCE CHARGES	28,759.00
2.	PETROL/DIESAL & MAINTENANCE OF OFFICE VEHICLE	79,718.00
3.	MISC. EXPENDITURE	35,444.00
4.	POSTAGE & TELEGRAPH	10,780.00
5.	WATER & ELECTRICITY	2,97,820.00
6.	MEETING & WORKSHOP	3,07,889.00
7.	PRINTING & STATIONERY	65,235.00
8.	INSURANCE	22,759.00
9.	LEGAL	1,22,965.00
10.	AUDIT FEE	18,400.00
11.	TELEPHONE EXP.	22,287.00
12.	NEWSPAPER & PERIODICALS	3,477.00
13.	PRESENT & SAMPLES	4,130.00
14.	PUBLICITY & PROPAGANDA/ADVERTISEMENT	50,322.00
15.	HATH KAGAZ MAGAZINE	91,152.00
16.	OFFICE EQUIP+ FURNITURE REPAIR & MAINTENANCE	1,41,334.00
17.	GARDENING & PANTATION	0.00
18.	MACHINE REP.+ LAB. EQUIP. MAINT/DIESEL & FIRE WOOD (PILOT PLANT)	5,29,079.00
19.	BANK COMMISSION	1,300.02
20.	(BUILDING(OFFICE +FLATS) MAINTENANCE	1,29,314.00
21.	TRANSPORTATION & PACKING FORWARDING	150.00
22.	LEVERIES	52,431.00
23.	WEBSITE/INTERNET	5,699.00
24.	EXHIBITION, WORKSHOP, PAPEREX, SWADESHI MELA	41,613.00
25.	TESTING FROM OUTSIDE AGENCIES	0.00
26.	STAFF TRAINING	0.00
27.	FIRE EXTINGUISHERS REFILLING	0.00
28.	WAGES	9,96,022.00
29.	ADVANCE	23,484.00
30.	TRAINING (RAW MATERIAL, CHEMICALS/GLASSWARE, PRINTING WORK, MISC. EXP., HONORARIUM ETC.)	5,09,135.00
	TOTAL (B)	35,90,698.02
	GRAND TOTAL (A+B)	1,10,38,844.62

17.BALANCE SHEET 2017-18

JAIN SHAH & CO.
Chartered Accountants

Branch off S-1 Parwati chamber , Behind sahara chamber Tonk Phatak Jaipur 302 015
Phone 0141-4017109 Fax 0141-4017109 Email. opkabrafca@gmail.com

**INDEPENDENT AUDITOR'S REPORT TO THE MEMBERS OF KUMARAPPA NATIONAL HANDMADE
PAPER INSTITUTE (KNHPI)**

(All amounts expressed in Indian Rupees unless otherwise stated)

REPORT ON THE FINANCIAL STATEMENTS

We have audited the accompanying financial statements of **KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE** ("the Society of KNHPI") which comprise the Balance Sheet as at 31st March 2018, the Income and Expenditure Account for the year ended and a summary of significant accounting policies and other explanatory information.

KNHPI's RESPONSIBILITY FOR THE FINANCIAL STATEMENTS

The KNHPI is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance in the society in accordance with accounting principles generally accepted in India, including the Accounting Standards. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

AUDITOR'S RESPONSIBILITY

Our responsibility is to express an opinion on these financial statements based on our audit. We have taken into account the accounting and auditing standards and matters which are required to be included in the audit report.

We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and the disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal financial control relevant to the Society's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of the accounting policies used and the reasonableness of the accounting estimates made by the KNHPI, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the financial statements.



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, 2018;
- b) In the case of Income and Expenditure Account, of the deficit for the year ended on that date.

BASIS FOR QUALIFIED OPINION

1. 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'18 of such account in bank cannot be reconciled with the books of accounts.
2. In F.Y 17-18 the institute has given some advances to their employees for different purpose showing a balance of Rs. 1,25,718/(bifurcation given in ANNEXURE 3)- on 31st March'18 due from employees, this sum includes some amount which is pending for more than one month, which is not as per the policy of the institute. and on which no action for adjustment and recovery has been taken by the institute.

EMPHASIS OF MATTER

We draw attention to:

1. 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)
2. 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)



For JAIN SHAH AND COMPANY
Chartered Accountants
RN:002819C

OM PRAKASH KABRA
(PARTNER)
Membership No. 079923

Place : Jaipur
Date: 21/07/2019

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 2018.

We report that:

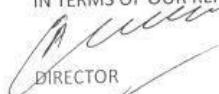
- i. The officials of Society has physically verified the fixed assets and found correct in quantity as well as in condition, but during our physical verification, we found that code numbers were not mentioned on the assets and some of the assets were not available for verification as they were sent 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.



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:-21/07/2019



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

OM PRAKASH KABRA
(PARTNER)
MEMBERSHIP NO. 079223

ANNEXURE-1

During the scrutiny of records made available to us for our verification and information provided to us, out of debtors of Rs.235,256.90/- it was observed that an amount of Rs. 1,20,560/- is pending as on 31st March 2018 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

GB *mlh*



ANNEXURE-2

During the scrutiny of records made available to us for our verification and information provided to us, out of creditors of Rs. 3,06,947/- 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

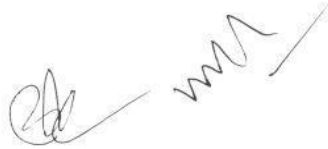
Handwritten signatures and initials.



ANNEXURE-3

List of advances given to staff

S.No	Name of the employee	Amount (in Rs.)
1	ATUL KUMAR	31929
2.	MOHD. ESA KHAN	42702
3.	ANUJ KUMAR	1125
4	SAAKSHY AGARWAL	18457
5	KAMAL RAJ SHARMA	30266
6	BHAIRAV DUTT SHARMA	767
7	PANKAJ SHARMA	72
8	HARSHVARDHAN SHARMA	400



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, 2018

PARTICULARS	SCHEDULE	As at 31st March 2018 Rs.	As at 31st March 2017 Rs.
LIABILITIES			
CAPITAL RESERVE	1	35,58,164.38	39,68,763.28
GRANT UNSPENT PLAN FUND	2	78,55,676.07	43,59,598.24
GRANT UNSPENT MISC PROJECTS	3	40,23,022.00	36,73,022.00
CURRENT LIABILITIES	4	3,06,947.00	2,26,940.90
MEMBERSHIP FEE		74,000.00	74,000.00
TOTAL		1,58,17,809.45	1,23,02,324.42
ASSETS			
FIXED ASSETS	5	35,58,164.38	39,68,763.28
GRANT NON PLAN FUND RECEIVABLE	6	87,94,163.00	71,66,466.00
CURRENT ASSETS	7	34,65,482.07	11,67,095.14
TOTAL		1,58,17,809.45	1,23,02,324.42

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

12

FOR KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE


DIRECTOR


PLACE:- JAIPUR

DATE: उप निदेशक प्रभारी

कुमारप्पा राष्ट्रीय हाथ कागज संस्थान
सांगानेर, जयपुर-302029



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)

INCOME AND EXPENDITURE FOR THE YEAR ENDED 31st MARCH, 2018

PARTICULARS	SCHEDULE	As at 31st March 2018 Rs.	As at 31st March 2017 Rs.
<u>INCOME</u>			
INCOME FROM OPERATIONS	8	9,36,475.00	10,10,257.00
INCREASE/(DECREASE) IN INVENTORY		44,807.85	-79,127.00
TOTAL (A)		9,81,282.85	9,31,130.00
<u>EXPENDITURE</u>			
OPERATING EXPENSES	9	9,52,830.00	6,06,247.00
ADMINISTRATIVE EXPENSES (PLAN)	10	18,17,548.02	15,33,687.24
REPAIR AND MAINTAINANCE	11	7,99,727.00	4,80,031.00
TOTAL (B)		35,70,105.02	26,19,965.24
EXCESS OF EXPENDITURE OVER INCOME TRANSFERRED TO GRANT FOR PLAN FUND (A-B)		-25,88,822.17	-16,88,835.24

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

12

FOR KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE


DIRECTOR

PLACE:- JAIPUR
DATE:- 21/07/2019

उप निदेशक प्रमारी
कुमारप्पा राष्ट्रीय हाथ कागज संस्थान
सांगानेर, जयपुर-302029



FOR JAIN SHAH AND COMPANY
CHARTERED ACCOUNTANTS

FRN:- 002819C

OM PRAKASH KABRA
(PARTNER)

MEMBERSHIP NO. :- 079223

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

SCHEDULE-1

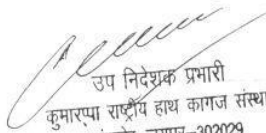
	Amount as on 31st March, 2018	Amount as on 31st March, 2017
CAPITAL RESERVE		
Opening balance	39,68,763.28	45,04,742.28
ADD:- Fund received for fixed assets	65,100.00	25,575.00
less:- Depreciation received	4,75,698.91	5,61,554.00
TOTAL	35,58,164.38	39,68,763.28

SCHEDULE-2

	Amount as on 31st March, 2018	Amount as on 31st March, 2017
GRANTS FOR PLAN FUND EXP		
Opening balances for plan expenditure	43,59,598.24	28,74,008.48
Grant Received Plan KVIC Mumbai	60,84,900.00	31,74,425.00
Grant for Tech Dissemination Workshop		
TOTAL (C)	1,04,44,498.24	60,48,433.48
Less:-		
Excess of Expenditure Over Income	25,88,822.17	16,88,835.24
TOTAL(D)	25,88,822.17	16,88,835.24
Closing Balance Grant Unspent Plan Fund(C-D)	78,55,676.07	43,59,598.24

SCHEDULE-3

	Amount as on 31st March, 2018	Amount as on 31st March, 2017
OTHER GRANTS FOR MISC PROJECTS		
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
S&T Grant (development of wet tissues)	3,00,000.00	0.00
SWACCH BHARAT ABHIYAN	50,000.00	0.00
Closing Balance Grant Unspent Plan Fund(C-D)	40,23,022.00	36,73,022.00



 उप निदेशक प्रभारी
 कुमारप्पा राष्ट्रीय हाथ कागज संस्थान
 सांगानेर, जयपुर-302029



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

SCHEDULE-4

CURRENT LIABILITIES	Amount as on 31st March, 2018	Amount as on 31st March, 2017
SUNDRY CREDITORS:-		
KVIC NEW DELHI	0.00	8,289.90
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	44,437.90
OTHER CURRENT LIABILITIES		
SYNERGY ASSOCIATES	34,840.00	34,840.00
GURPAL ENGG WORKS	30,791.00	30,791.00
METRO TRADING CORP	11,905.00	11,905.00
CST/GST PAYABLE	55,405.00	0.00
M/S VULTAS LIMITED	17,516.00	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
GLOBAL ENGG CORPORATION	35,986.00	35,986.00
COMPUTER MART MANSAROVER	7,875.00	0.00
SO KVIC JAIPUR	18,890.00	18,890.00
DOMESTIC MARKET	7,500.00	0.00
TOTAL(F)	2,70,799.00	1,82,503.00
TOTAL (E+F)	3,06,947.00	2,26,940.90


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KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE
RAMSINGHPURA SIKARPURA ROAD, SANGANER JAIPUR-302029(INDIA)
FIXED ASSETS CHART AS ON 31st MARCH 2018

SCHEDULE-5

FIXED ASSETS	OPENING WDV AS ON 01.04.2017	ADDITIONS	DEDUCTIONS	TOTAL	DEPRECIATION	CLOSING WDV AS ON 31.03.2018
FURNITURE & FIXTURE	1,29,528.78	65,100.00		1,94,628.78	19,462.88	1,75,165.91
VECHILE	63,606.91			63,606.91	9,541.04	54,065.87
BUILDING OFFICE	14,44,976.96			14,44,976.96	1,44,497.70	13,00,479.26
OFFICE EQUIPMENTS	3,18,142.63			3,18,142.63	47,721.39	2,70,421.24
COMPUTERS	31,933.64			31,933.64	12,773.46	19,160.18
FIRE FIGHTING EQUIPMENT	39,968.48			39,968.48	5,995.27	33,973.21
LAB EQUIPMENT	4,62,167.95			4,62,167.95	69,325.19	3,92,842.76
MACHINE EQUIPMENT	1,68,298.16			1,68,298.16	25,244.72	1,43,053.44
TOOLS AND EQUIPMENT	301.59			301.59	45.24	256.35
TRAINING EQUIPMENT	19,095.39			19,095.39	2,864.31	16,231.09
BUILDING GUEST HOUSE/HOSTEL	4,34,682.62			4,34,682.62	43,468.26	3,91,214.36
LAND G.H HOSTEL/HOSTEL	2,81,978.00			2,81,978.00	0.00	2,81,978.00
TOTAL	33,94,681.12	65,100.00		34,59,781.12	3,80,939.46	30,78,841.66
UNDP ASSETS	45,203.08			45,203.08	6,780.46	38,422.62
RISC MACHINE & EQUIPMENT	66,155.50			66,155.50	9,923.33	56,232.18
R&D PROJECT S&T KVIC OLD 2008-09						
MACHINE& EQUIPMENT	40,591.78			40,591.78	6,088.77	34,503.02
R&D PROJECT S&T KVIC FLY ASH	95,443.75			95,443.75	14,316.56	81,127.19
R&D PROJECT S&T KVIC NEW 2009-10	3,26,688.05			3,26,688.05	57,650.33	2,69,037.72
TOTAL	39,68,763.28	65,100.00		40,33,863.28	4,75,698.91	35,58,164.38

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

SCHEDULE-6

	AMOUNT AS ON 31.03.2018	AMOUNT AS ON 31.03.2017
UNSPENT NON PLAN GRANT		
Opening balance Non Plan Fund Expenses	-71,66,466.00	-55,60,790.00
Received during the year	58,20,449.00	66,32,718.00
TOTAL (G)	-13,46,017.00	10,71,928.00
LESS:- Non Plan Expenditure		
Salary	64,67,306.00	74,46,820.00
Employer CPF Contribution	2,21,033.00	7,00,062.00
Salary Mr. ASHWINI KUMAR	6,73,190.00	
T.A Expenses Officers	0.00	62,533.00
T.A Expenses Staff	86,617.00	28,979.00
Total (H)	74,48,146.00	82,38,394.00
Closing Balance Grant Non Plan to be Receivable	-87,94,163.00	-71,66,466.00

SCHEDULE-7

	AMOUNT AS ON 31.03.2018	AMOUNT AS ON 31.03.2017
CURRENT ASSETS AND LOAN AND ADVANCES		
STOCKS		
Raw Materials	1,41,780.85	80,893.00
Unfinished Goods	28,220.00	44,300.00
Finished Goods	1,70,000.85	1,25,193.00
TOTAL (I)		
SUNDRY DEBTORS		
S.O KVIC JAIPUR	2,329.00	2,329.00
RISC SO KVIC JAIPUR	83,200.00	83,200.00
CPRI	10,271.00	10,271.00
EPCO BHOPAL	21,630.00	21,630.00
FESTIVAL ADVANCE	900.00	900.00
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	8,917.00	8,917.00
MUSHTAF SALIM OMAN	29,000.00	
SH CHANDER PRAKASH	51,500.00	
KVIC NEW DELHI	279.90	
Total (I)	2,35,256.90	1,54,477.00
LOANS & ADVANCES AND DEPOSITS		
VAT PAYABLE	938.00	
ADVANCE TO STAFF NET	1,39,740.00	1,16,276.00
ELECTRICITY SECURITY	42,259.00	42,259.00
LPG SECURITY	2,700.00	2,700.00
TELEPHONE SECURITY	26,586.00	27,293.00
TDS REFUNDABLE	6,359.00	5,802.00
Total (J)	2,18,582.00	1,94,330.00
CASH AND BANK BALANCES		
S.B.I SANAGNER A/C	28,36,538.32	6,92,065.14
CASH IN HAND	5,104.00	1,030.00
Total (K)	28,41,642.32	6,93,095.14
Total (I+J+K)	34,65,482.07	11,67,095.14



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Schedule 8

	AMOUNT AS ON 31.03.2018	AMOUNT AS ON 31.03.2017
INCOME FROM OPERATIONS		
Technical and Consultancy Services	8,45,396.00	9,15,117.00
Training Programme	88,384.00	95,140.00
Misc. Income	2,695.00	
Packing and Forwarding expenses		
Total	9,36,475.00	10,10,257.00

Schedule 9

	AMOUNT AS ON 31.03.2018	AMOUNT AS ON 31.03.2017
Operating Expenses		
Training Programme Expenses	5,09,135.00	2,35,557.00
Hathkagaz Magazine Expenses	91,152.00	28,884.00
Meeting and Workshop Expenses	3,07,889.00	2,77,575.00
Diesel and Firewood	3,041.00	21,168.00
Exhibition Expenses	41,613.00	43,063.00
Total	9,52,830.00	6,06,247.00


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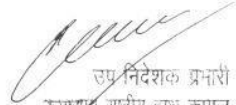
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Schedule 10

ADMINISTRATIVE EXPENSES PLAN	AMOUNT AS ON 31.03.2018	AMOUNT AS ON 31.03.2017
Staff Welfare (LEVERIES)	52,431.00	1,700.00
Printing and Stationary	65,235.00	66,665.00
Telephone Expenses	22,287.00	18,432.00
Water and Electricity	2,97,820.00	2,91,121.00
News paper and Periodicals	3,477.00	12,000.00
Postage	10,780.00	19,858.00
Insurance Expenses	22,759.00	21,995.00
Internet Expenses	5,699.00	5,242.00
Legal and Audit Fee	1,41,365.00	1,46,960.00
Bank Commission	1,300.02	1,470.24
Advertisements	50,322.00	0.00
Misc. Expenses	35,444.00	23,756.00
Conveyance Charges	28,759.00	22,768.00
Petrol Expenses	79,718.00	62,613.00
Present & samples	4,130.00	947.00
Wages	9,96,022.00	8,38,160.00
Total	18,17,548.02	15,33,687.24

Schedule 11

REPAIR AND MAINTAINENCE EXPENSES	AMOUNT AS ON 31.03.2018	AMOUNT AS ON 31.03.2017
Office Equipment Maintainence	1,41,334.00	1,77,447.00
Machine Repair and Replacement	5,29,079.00	1,28,518.00
Gardening and Plantation	0.00	3,350.00
Building Maintainence	1,29,314.00	1,70,716.00
Total	7,99,727.00	4,80,031.00


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SCHEDULE-12

Accounting policies and Notes on Accounts forming & Integral part of Accounts for the year ended 31st March'18

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

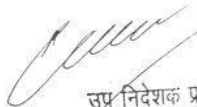
- a) Depreciation has been provided as per rate prescribed by the Income Tax Act 1961
- b) Depreciation is not charged to Income and Expenditure account but it is transferred to Capital reserve.

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.


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18. PHOTO GALLERY



Dr Sheila Rai, Expert Member KVIC visited Institute on 24th July 2017



Dr Saakshy, RA KNHPI receiving Best Innovation product award in National Banana Festival 2018