

# ANNUAL REPORT 2020-21



## **National Centre for Human Settlements and Environment**

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## 1. Introduction

National Centre for Human Settlements and Environment (NCHSE), a non-government organization, was established by Late Dr. M.N. Buch in 1984 with the objective of facilitating participatory sustainable development of human settlements and its people with special focus on the weaker sections of society in order to promote rapid social mobilization and significant economic development.

NCHSE have focus on rural development through implementation of government and CSR funded projects promoting watershed development, Natural Resource Management, Climate smart and sustainable agriculture, financial literacy of rural women to enable them to undertake income generating activities. Its GIS application centre trains urban youth on GIS application.

NCHSE being a Telecommunication Regulation Authority of India (TRAI) recognized Consumer Advocacy Group (CAG) for the State of Madhya Pradesh since 2011 is constantly helping consumers in resolving their issues with various telecom service providers through its District Consumer Information Centre.

NCHSE is guided by the General Body (GB) and Governing Council (GC) comprised of subject matter specialists. It provides advisory support to the Chairperson who is the chief functionary of the organization. Director General is the Chief Executive of the organization and is responsible for the overall supervision of the affairs of the organization under the guidance of the Chairperson.

## 2. Registration Details

**Registration:** Registered under M. P. Societies Registration Act, 1973, Registration No.13784, dated 19th June, 1984.

**PAN :** AAATN2922N

**TAN :** BPLN00396E

**GST No.** GSTN-23AAATN2922N1ZK

**FCRA Registration Number** – 063160035

**80 G & 12 A** – NCHSE is registered with the Income Tax Department as a Trust/ Society under Section 12 A (a) and exempted under Section 80-G (5)(vi) regarding donations made to the Centre.

## 3. Implementation of Programme/ Projects during 2020-21

NCHSE is implementing projects in 43 districts of Madhya Pradesh and Kota District of Rajasthan. The list of ongoing projects is as follows:

- i. Integrated Watershed Management Programme (IWMP-6): Soil and Water Conservation works in Tirla Block of Dhar District supported by Zilla Panchayat, Govt of M.P.
- ii. Integrated Watershed Management Programme (IWMP-8): Soil and Water Conservation works in Sehore Block of Sehore District supported by Zilla Panchayat, Govt of M.P.

- iii. Promotion of Climate Smart Practices in Villages of Sehore, Bhopal, Mandsaur, Ratlam, Ujjain and Agar Malwa districts: Supported by ITC. Implementation area:
  - a. Ichhawar and Sehore Blocks of Sehore District (Complementing IWMP-8), Phanda Block of Bhopal District (Cluster I)
  - b. Gyaspur Block of Vidisha District
  - c. Malhargarh Block of Mandsaur District
  - d. Ratlam Block of Ratlam district
  - e. Khachrod, Mahidpur & Badnagar Blocks of Ujjain District (Cluster II)
  - f. Agar, Nalkheda and Badod Blocks of Agar Malwa District (Cluster III).
- iv. Integrated Development of Natural Resources through Watershed Management and Improved Sustainable Agricultural Practices: Supported by ITC in Vidisha and Damoh Districts (Aspirational Districts identified by Niti Ayog).
- v. Sustainable Agriculture Practices through Farmer Field School Model: Supported by ITC in Sangod, Digod & Ladpura Blocks of Kota District, Rajasthan.
- vi. Financial Literacy Programme in Madhya Pradesh: Supported by ITC in Agar, Anuppur, Ashok Nagar, Balaghat, Chhindwara, Chattarpur, Damoh, Datia, Dhar, Dewas, Guna, Gwalior, Hosangabad, Morena, Panna, Raisen, Rajgarh, Rewa, Sagar, Sehore, Shivpuri, Satna, Shahdol, Sidhi, Singroli & Vidisha Districts.
- vii. Targeted Intervention in Urban Areas of Ujjain District for the Prevention of HIV/ AIDS: supported by MPSACS.
- viii. Digitization of SHGs in Vidisha District under NABARD supported E-shakti project.

This Annual Report presents a glimpse of the organizations' major achievements during 2020-21. It was a year of uncertainties due to COVID pandemic and project implementation works had to cope with the restrictions imposed.

### **3.1 Integrated Watershed Development & Climate Smart Sustainable Agriculture Programme:**

The main objectives of IWMP supported by the government are to control of soil erosion, enhance soil moisture retention and augment irrigation through rain water harvesting. The ITC supported projects have a wider approach and besides water and soil conservation works focuses on promotion of Climate Smart sustainable agricultural practices, biodiversity conservation, other climate smart activities and livelihood promotion activities for the female members of the family through participation in SHGs and financial literacy programme.

The Climate Smart Sustainable Agriculture Programme aims to make the agriculture sustainable through adoption of technologies and practices that are environment friendly and appropriate to the changing climatic conditions. It aims to tackle three main objectives: sustainably increasing agricultural productivity and incomes; adapting and building resilience to climate change; and reducing and/or removing greenhouse gas emissions, where possible.

The programme includes introduction of new /appropriate technologies like Broad Bed Furrow (BBF), zero tillage, introduction of new seeds to replace the

less productive or less suited to the changing environment, environment friendly inputs, micro irrigation system to improve water use efficiency, etc and being implemented with participation of farmers of Farmer Field Schools (FFS) constituted in project villages. Capacities of the farmers are being enhanced through training and exposure visits to Agricultural Research Institutions and relevant organisations to have a first hand information about the new / latest techniques/ practices. Farmers also get weather alert through mobile linkage under this initiative. District wise highlights of the activities are as follows:

**i) Dhar District (IWMP VI in Tirla Block):**

The Project is being implemented in 11 micro watersheds covering 25 villages of



Tirla Block of Dhar District since 2012-13. An area of 4,824 ha has been developed or treated so far through soil and water conservation works like Field bunding, boulder check dams, gabion, stop dam, check dam etc. benefitting 514 farmers. During 2020-21 11 gabion structures were created benefitting 22 farmers and water storage capacity of 222,851 cu m were created through construction of 22 earthen dams bringing an area of 440.11 ha under irrigation benefitting 131 farmers.

**ii) Integrated Development of Natural Resources through Watershed Management in Kolans River catchment (Sehore District):**

The programme is being implemented in 35 villages of the drainage basin of the Kolans River since 2014-15, when only 45% of the area was irrigated, mainly by ground water extraction. So far, an area of 1439 ha has been treated for soil and water conservation and an area of 513 ha has been brought under irrigation benefitting 490 farmers. During 2020-21, under catchment area treatment 679 ha area were treated benefitting 371 farmers. Three Check dams, 4 earthen dams and 6 farm ponds were constructed enabling creation of 86,854 M<sup>3</sup> water storage capacity and irrigation potential of 174 ha benefitting 60 farmers.

**iii) Integrated Development of Natural Resources through Watershed Management beyond Kolans Catchment in Sehore and Ichhawar Blocks of Sehore District:**

Soil and Moisture (SMC) works and Climate Smart Village (CSV) activities are being implemented in 63 Villages of Ichhawar and Sehore blocks since 2017-18. Agriculture in this area is either entirely dependent on rains or ground

water-based irrigation. So far, SMC works were undertaken in an area of 2,506 ha and an area of 188 ha has been brought under irrigation benefitting 256 farmers. Achievement during 2020-21 are as follows:

S.No.	Activity	Unit	Achievements
1.	Area treatment	Ha	679
2.	Large tank	No	10
3.	Check dam	No	3
4.	WUGs Formed	No	9
5.	WUGs members total	No	56
6.	Command area	Ha	174
7.	Water storage capacity	Cum	103855
8.	Employment generated	Person days	1989
9.	Total beneficiaries	No	371
10.	Local contribution	Rs.	5,30,630
11.	Government contribution (IWMP)	Rs.	1,92,95,845
12.	MGNREGA convergence	Rs.	1,40,000
13.	WUG maintenance fund	Rs.	12,000



**Mr. Harsh Singh (IAS) CEO Zila Panchayat Sehore, Mr. Dilip Jain CEO Janpad panchayat Sehore, Mr. Rajesh Rai District Technical Expert WDT cell Sehore visited at IWMP-8 ITC MSK NCHSE Sehore**



**Inspection of Farm pond at Chainpura, Sehore District by the Deputy Commissioner, JP CEO and Watershed & Panchayat Team**

**iv) Mandsaur District (Malhargarh Block):**

Water conservation and climate smart agricultural practices are being promoted in 12 villages of water deficit Malhargarh Block with support from ITC Ltd. The project area covered 6 micro watersheds across 12 villages covering over 4,700 ha area. During 2020-21, emphasis was on to build capacity of the farmers to practice climate smart agriculture through their enrolment as members of the Farmers Field School, arranging field demonstration of new crop varieties and new techniques of cultivation, collective procurement of agricultural inputs and leveraging benefits from government schemes. The outcome was encouraging- 2526 farmers adopted improved seeds, 1862 farmers adopted seed germination test, and 2602 farmers seed treatment before sowing, 370 farmers adopted BBF technique for kharif and rabi crops. This resulted in adoption of sustainable agriculture practices in 1837 ha area. Farmers were encouraged to reach out government schemes, like Kisan Samman Nidhi, CM Solar Pump Scheme, PMSKY, MGNREGA etc. 1052 farmers also enrolled themselves under PM Crop Insurance Scheme.

**v) Promotion of Climate Smart Agricultural Practices (CSP) in Sehore and Bhopal Districts:**

Climate smart agricultural practices have been introduced in the 95 villages under the Kolans catchment and beyond through enrolment of farmers as members of the Farmers Field School, arranging field demonstration of new crop varieties and new techniques of cultivation, collective procurement of agricultural inputs and leveraging benefits from government schemes. An area of 17,155 ha has been brought under CSP with participation of 10,810 farmers of 95 villages. Summary of activities are as follows:

S.No.	Activity	Achievement		
		Unit	Kharif	Rabi
1.	Total CSV Village	No	95	49
2.	Total Farmer School	No	95	49
3.	Student farmer	No	10810	4550
4.	Area under demo plot	Ha	38	20
5.	Sustainable agriculture area cover	Ha	4324	5132
6.	Zero tillage sowing	Ha	0	29
7.	BBF coverage	Ha	1244	81
8.	Ridge and Furrow	Ha	1643	0

**vi) Promotion of Climate Smart Agricultural Practices (CSP) in Ujjain & Ratlam Districts:**

Achievements during 2020-21 are summarized below:

Name of District	Ujjain		Ratlam	
Location	Nagda		Ratlam	
No. of Villages	46		17	
No. of Blocks	3		1	
Total No. of Households in Project Area	8295		4980	
Total Number of Farmers	6682		2824	
Total Number of CSV Farmers (No)	966		357	
Total Number of CSA Farmers (No)	5716		2467	
Total Number of Super Champion Farmers	46		17	
Total Number of Champion Farmers	920		340	
Total Number of WhatsApp Groups Formed	29		9	
Total Number of WhatsApp Groups Members	5164		442	
	Achievement			
Season	Kharif	Rabi	Kharif	Rabi
Number of Farmers used Improved Seed	557	425	189	147
No. of Farmers adopted Seed Treatment	966	874	357	321
No. of Farmers adopted Seed Germination Test		840		289
Coverage under BBF (Acre)	26	12.5	34	0
Number of Farmers adopted BBF	12	10	15	0
Ridge and Furrow (Acre)		230		245
Coverage under Sustainable Agriculture (Ha)	3482		914	
Scheme Enrollment				
Kisan Samman Nidhi Yojana (No. of Farmers)	2530		1245	
Crop Insurance (No. of Farmers)	6682		2824	



**vii) Kota District of Rajasthan (Digod, Ladpura and Sangod blocks):**

The Project being implemented since 1st October, 2014, covers an area of 27,809.96 ha in 50 villages. It aims to bring about a catalytic change in the livelihood of farmers, especially poor and marginal, through capacity building of farmers for increasing agricultural production, and improving water availability for irrigation during the dry season and providing technology and equipment.

Overall achievements during 2020-21 is summarised below:

- a. Completed Earthen Farm bunding in 462 ha
- b. Completed works of 11 Irrigation Tanks, 2 Stop Dam and 8 Farm ponds.
- c. Under Sustainable Agriculture development total 10,809.94 ha area has been covered through FFS/Demo plots in Kharif and rabi seasons, BBF Soybean Plots, DSR Paddy Plots, and Jayad crop.
- d. Pasture/common land Development works covered 46 ha.
- e. 23 new SHGs were formed and also 257 members of SHGs benefitted.
- f. 6 micro enterprises established by 6 SHG members through convergence of RAJVIKA.
- g. Through the convergence with various Govt. schemes activities like soil testing, promotion of Wheat Development Program, Sprinkler Units, Compost Units and Farm ponds were taken up benefiting the farmers of the project area.



h. Details of activities is given below:

<b>Particulars</b>	<b>Unit</b>	<b>Achievements</b>
Pasture/common land Development	Ha.	46
Earthen Field Bonding	Ha.	462
Climate Smart Village (Wheat development programme, Seed treatment, Germination test, Sowing method, Crop Insurance etc)	Ha	7033
FFS/Demo plots – Rabi & kharif	Ha.	600
BBF Soybean Plot	Ha.	3797.5
DSR Paddy Plot	Ha.	1388.25
Soil testing	No.	439 Samples
Wheat Development Program (through Govt. Linkage)	Ha.	829
Sprinkler Unit (through Govt. Linkage)	No.	14
Farm pond (through Govt. Linkage)	No.	8
Nutritional Garden	No.	214
Azolla Unit (through Govt. Linkage)	No.	45
Compost Unit (through Govt. Linkage)	No.	143
Zero Tillage (Wheat)	Ha.	93
RBF Wheat	Ha.	14.6
Seed Multiplication (Wheat)	Ha.	200
Horticulture Plantation	Acre	15.2
CHC Earning	Rs.	1,22,335

In order to create an atmosphere conducive for agriculture sustainability, the village people especially members of the Village Development Committee (VDC) and user groups, active farmers, youth and women were involved in the programme promotion activities.

- i. Farmer Field Schools/Demonstrations: Under crop development, about 8879.94 ha of land sowing in Kharif crop session and about 1930 ha land sowing for wheat crop in Rabi session were completed as a Sustainable Agriculture demonstration plot. Due to these activities total of 3,032 farmers were benefited, of which around one half families belong under SC & ST categories.
- j. Training and Capacity Building: A total of 116 activities for VDC / UGs were organized to encourage farmers to adopt advanced farming practices. Details of activities and the expenditure are given below:

<b>. Particulars</b>	<b>No. of activities</b>
Village Meeting, VDC Training and WUG Training	31
Farmers Field Day	5
Exposure Visits - Farmers	1
Training to NGO Staff	4
Special Day Celebration & Meetings	2
Program Promotion	2
Financial Literacy Trainings Old SHG	50
Institutional Capacity Building of new SHG Formation & Enterprise Development	21
<b>Total</b>	<b>116</b>



### **Farmers at Azolla production Unit at KVK, Kota**

#### **k. Special Initiatives during COVID-19 Pandemic:**

- i. Organized workshops and trainings at village level for creating awareness about COVID and its preventive measures.
- ii. Organized training for SHG members for making face masks.
- iii. 1000 Face masks made by SHG members were distributed among the other SHG members, MNREGA Laborers and needy villagers through convergence of Reliance Foundation.



### **3.2 Transformation of Agriculture Sector of Aspirational Districts in Madhya Pradesh:**

ITC has collaborated with NITI Aayog as technical partner to improve status of agriculture and allied sectors in 27 Aspirational districts spread over eight states of India. The objectives of the project are to develop capacities of block level government extension officials of Vidisha and Damoh districts as Master Trainers in - domain knowledge and training techniques in the area of - standard package of practices for agriculture and livestock development and Government scheme realisation and through them build capacities of village level department personnel and farmers with a cascade approach. The master trainers are in turn trains Gram Panchayat/Village level department staff, referred to as Village Resource Persons (VRP), so that they can train farmers effectively.

This Programme is being implemented by National Centre for Human Settlements & Environment in two districts (Vidisha and Damoh) of Madhya Pradesh since 2018-19.

During the previous years, training programmes and exposure visits were the means to educate farmers. However, these changed during the year, first due to Nationwide lockdown and later during unlocking period in order to adhere to appropriate COVID protocols, virtual were organised/ Later on complete lifting of restrictions usual training programme with physical presence were organised taking appropriate precautions. Brief of activities for the year for the Vidisha and Damoh districts are as follows:

- Virtual training Programme for Kharif season: during Lockdown and unlocking period whats app groups of farmers were formed at District and Gram Panchayat levels and information about package of practices for kharif crops were provided online to the farmers.
- Master training programmes on PoP modules of Kharif and Rabi season crops were conducted for capacity building of agriculture department on Kharif and Rabi season crop POP modules.
- Master Trainer training and Refresher training for Animal Husbandry Department in Damoh district was conducted on 18/12/2020 in Krishi Vigyan Kendra Damoh in which officials (Total 42 participants) participated. Training was provided by VIKSAT team. They addressed their block official staffs and Gosevak Pashusakhi to roll out the training of AI, Vaccination for Promotion and Implementation in Aspirational District Programmed 2 Animal Husbandry Indicator of Niti Aayog package of practices through the Village Level Extension Officer to farmers in cascade model and also prepared block action plan in Gopal mobile app.
- Trainer Training for Village Resource Persons: Training of Village Resource Persons (VRPs) as Master trainers on PoP of Rabi Crops in all seven blocks of Vidisha and Damoh Districts were organized. All Rural Agriculture Extension Officers, Gram Panchayat officials, Veterinary officials, horticulture officials & Mandi officials were trained by master trainers and resource persons from NCHSE. During the training programs VRPs were provided kits and training modules.

- Farmers Training program at Gram Panchayat level: In each gram Panchayat, VRPs have formed WhatsApp groups of farmers, which was used for training of farmers on PoPs of Kharif and Rabi crops. The achievements during 2020-21 are as follows:

Sr. No	Coverage	Vidisha		Damoh	
	Season	Kharif	Rabi	Kharif	Rabi
1.	GP Covered	299	577	401	418
2.	Percentage of GP Covered	51.55	99.48	88.93	90.67
3.	Farmers trained	10,853	25,965	11,256	28,140
4.	Percentage of farmers trained	74.84	86.55	75.04	93.8

- District Agriculture Plans (Sectoral Plans) for Vidisha district for the Year 2020-21 to 2022-23 were prepared.
- Conducted training Programme on FPO formation for the officials of Agri. Dept.
- Created a tableau to show case the Zero Budget Natural Farming on the occasion of Republic Day by ITC mission sunhara kal with Agriculture Department.



**Refresher training at Animal Husbandry Department & Bee keeping training of Horticulture department**

**Leveraging of funds (Rs in Lakhs) from various Govt. schemes in Aspirational districts during 2020-21:**

Creating awareness among the farmers and linking them with government schemes resulted in significant mobilization of funds/inputs to enhance agricultural production and income of farmers. Details of the same for Vidisha and Damoh districts are as follows:

S. No	Activity	Unit	Achievements in Districts				Scheme
			Vidisha		Damoh		
			Quantity	Amount (Rs)	Quantity	Amount (Rs)	
1	Quality seed distribution	Kg	68637	20.59	30000	9.00	NFSM, Suraj Dhara, Annpurna, beej gram
2	Farm Pond	No	32	38.08	58	69.00	MGNREGA
3	NADEP	No	13	1.56	118	14.16	MGNREGA
4	Animal Vaccination	NO	23273	0	6357	0	National Artificial Insemination Program
5	e- NAM registration	NO	3795	0	3133	0	e-NAM
6	Sprinkler set	NO	33	4.95	108	16.20	PMKSY
7	Artificial Insemination (AI)	NO	819	0	375	0	National Animal Disease control Program
8	Soil Health Card	NO	1493	0	1824	0	Soil Health Card Scheme
9	Kisan Credit Card (KCC)	NO	50	0	115	0	KCC Scheme
10	Solar Pump	No	8	3123155	0	0	CM Solar Pump Scheme
11	Crop insurance	NO	8124	0	6195	0	PMFBY
12	Seed Drill	No	1	0.4	0	0	Agriculture mechanization
13	Rotavator	No	2	2.40	0	0	Agriculture mechanization
14	Chap cutter	No	3	0.15	0	0	Agriculture mechanization
15	Well	No	47	51.70	0	0	MGNREGA
16	Spray Pump	NO	7	0.42	0	0	Agriculture mechanization
17	Nandan Phal Udhyan	NO	40	50.00	39	48.75	MGNREGA
18	Krishi Yantra	NO	0	0	0	0	Agriculture mechanization
19	Pipeline	NO	63	18.90	0	0	Agriculture mechanization
20	Pumpset	NO	39	11.70	0	0	Agriculture mechanization

### 3.3 Financial Literacy and Capacity Building Programme in Madhya Pradesh:

ITC Limited and Madhya Pradesh State Rural Livelihoods Mission (MPSRLM) entered into an agreement for the implementation of a dedicated “Financial Literacy Programme” in 43 identified Districts of Madhya Pradesh in 2017-18.

The objective of this partnership is to strengthen the implementation capability of the MPSRLM through technical assistance from ITC and CRISIL and implementation support from NCHSE. The key principle behind this arrangement is to create an ‘enabling environment’ for sustaining good financial habits and practices within women SHGs and enhance the capability of human resource mainly the CRPs (Community Resource Persons). All the new, revived and pre NRLM SHGs which are currently under MPSRLM are being covered under this Project. CRISIL being the knowledge partner, developed the training modules and imparted initial training to the Super Trainers and Master Trainers selected by the MPSRLM. NCHSE provide support with respect to coordination with concerned agencies, imparting training of Trainers, SHGs/VRPs and project monitoring.

Starting with Vidisha district in 2017-18, the programme implementation expanded to 15 districts during 2018-19 and further to 26 districts during 2019-20. During 2020-21, training of Master Trainers and SHG members in 26 Districts continued. In coordination with DPM and DFM, MPSRLM, NCHSE team organized training of Super Trainers at District level, Master Trainers at Block level and SHG members at village level. During 2020-21, progress was hampered due to COVID Pandemic. The achievement at the end of the FY 2020-21 is presented below:

Parameter	Achievements (Numbers)			
	2018-19	2019-20	2020-21	Cumulative
Districts Covered	11	15	26	26
Blocks Covered	74	90	172	172
Villages Covered	765	1,892	8,698	10,307
Super Trainer trained	470	592	0	1,062
Master Trainer trained	935	1,657	232	2,824
SHGs covered	6,169	19,267	55,299	74,566
SHG Members trained	59,227	194,433	573,384	767,817
Women having individual bank accounts	47,119	159,588	486,329	645,917
Women covered through insurance (PMSBY/PMJJY/Other)	29,009	107,220	440,180	547,400
Women having Saving/Investment A/c (RD/FD/SSY/PPF)	2,734	10,912	14,551	25,463
Women HH covered under Pension schemes (APY/NPS)	3,290	11,001	7,426	18,427



Meeting with DMMU Team, Dehore



**Training of SHGs by the Master Trainer**

### 3.4 Initiatives towards Socio-economic Transformation of Rural Women:

NCHSE is continuously promoting Socio-economic transformation of rural women through facilitation of formation of SHGs and their capacity building. This is a common feature of its all implementation projects related to watershed development, Livelihood Promotion, Agricultural Sustainability, specially focused projects for women empowerment, etc.

#### *i. Digitization of SHGs in Vidisha District under NABARD supported E-shakti project*

An ongoing project being implemented since 2017-18. The trained animators are collecting, balancing, authenticating and feeding base/master data monthly for 49 functional SHGs in the district through mobile App.

#### *ii. Empowerment of Women under ITC supported projects during 2020-21:*

- a. In Sehore district, 40 members availed internal loans of Rs 0.84 lakh and 32 members availed Revolving fund from MPSRLM.
- b. Capacity building programmes resulted in members of SHGs enrolling themselves for various social sectors schemes as given below:

Parameters	Number of Beneficiary in Districts	
	Sehore	Kota
Individual bank accounts	423	1904
Pradhan Mantri Jan Dhan Yojana (PMJDY)	183	1904
Pradhan Mantri Suraksha Bima Yojana (PMSBY)	411	1212
Pradhan Mantri Jeevan Jyoti Yojana (PMJJY)	114	530
Pension funds (APY)	11	47
Pension funds (Anas dai)	04	
Pension funds (Vidhava)	33	
Pension funds (Viklaang)	06	
Pension funds (Vridhavastha)	26	



### 3.5 Application of GIS and Remote Sensing:

NCHSE has a well equipped GIS and Remote Sensing laboratory to undertake GIS and Remote Sensing based assignments. NCHSE has pioneered advanced mapping, survey and geospatial services. NCHSE has dedicated and immensely skilled professionals, having vast experience and technical expertise. The centre is constantly engaged in carrying out GIS mapping for implementation projects especially related to watershed management, agricultural sustainability, climate change, etc. NCHSE deliver a comprehensive portfolio of services ranging from rural development, Watershed development, drinking water supply, environmental management, Natural resources management and much more.

It has unlocked the powers of geospatial analysis, statistics and precise demonstration of the geographies for web and mobile applications to collect and interpret data in real time for effective analytical decisions making in regards to real time monitoring of watershed development activities, survey etc.

With the integration of progressive technologies, NCHSE specializes in GIS based application development to fetch data and geographical locations of the devices, to be used by different NGOs, corporate sectors, verticals.

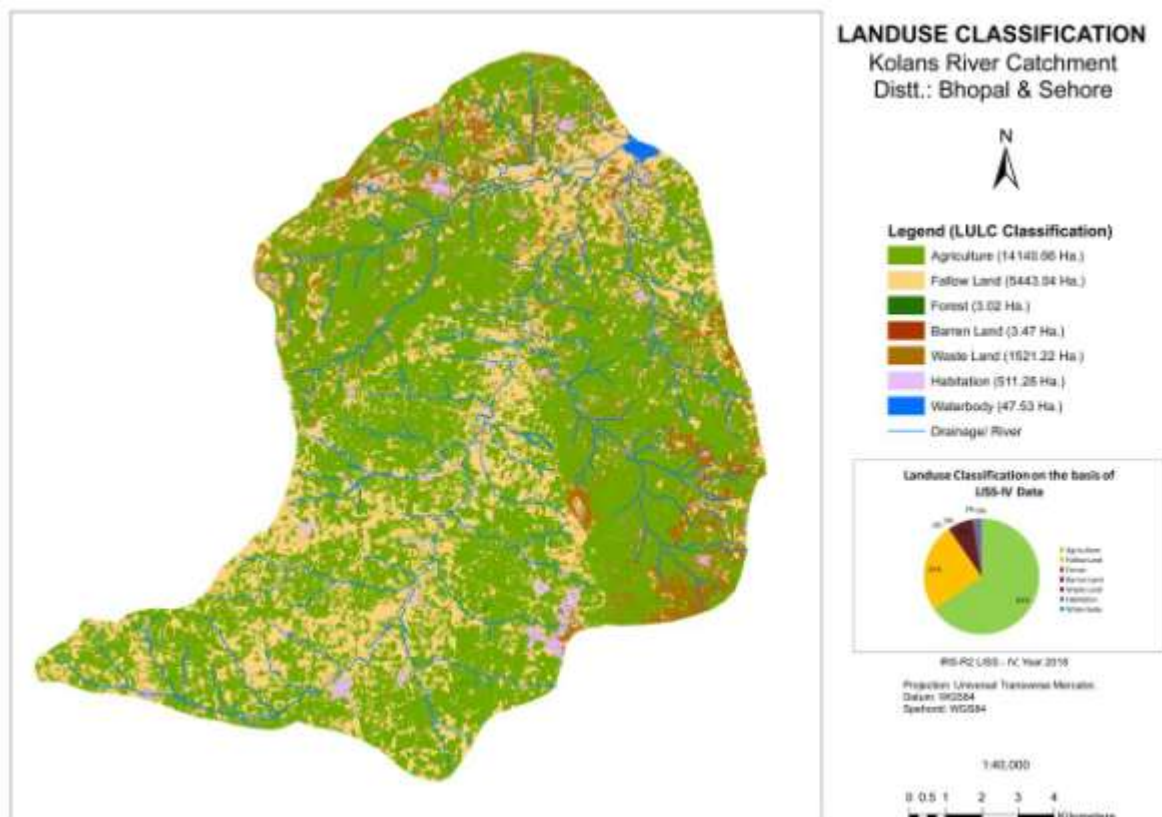
NCHSE has developed different geospatial based App and GIS based web portal for real time planning, monitoring and MMIS for different organizations.

During the year it provided technical support for the following projects:

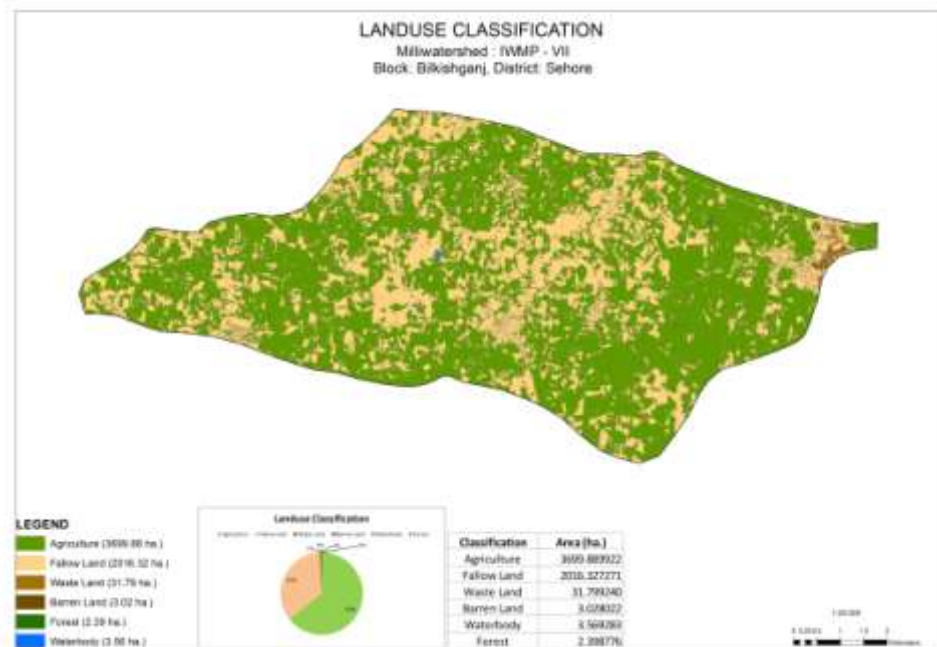
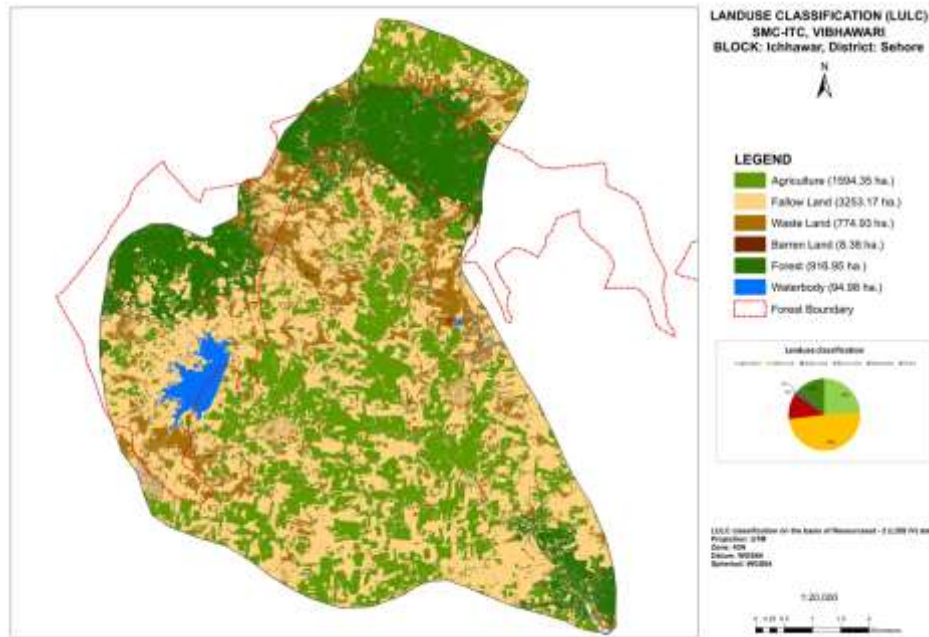
**i. Mapping of water harvesting structures, their catchment and Command Areas in Madhya Pradesh:**

The services for mapping locations of each water harvesting structures, their catchment and command area with GPS coordinates and linking them with cost and beneficiary for all ITC supported projects were provided.

**ii. Analysis of Impact Assessment of IWMP7, 8 and ITC factory catchment Area through Remote Sensing data:**



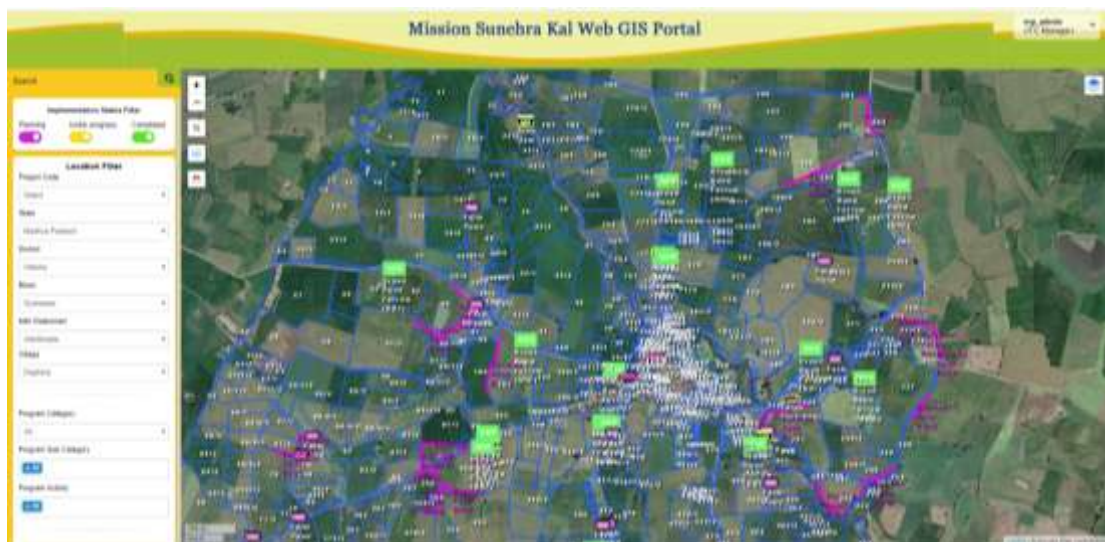
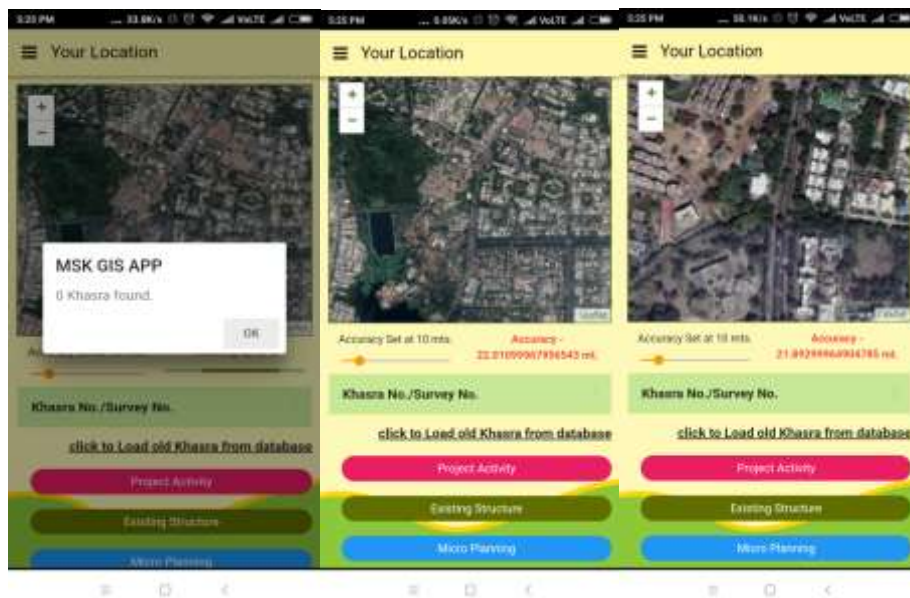
NCHSE GIS cell has completed the study on the basis of IRS-1, Resourcesat-2, remote sensing data for IWMP7 & 8 as well as ITC factory catchment project area.



### **iii. Development and Application of GIS App and Web GIS portal in Various states in India:**

NCHSE has developed MSK GIS APP and Web GIS portal for ITC to locate, monitor and update its activities being implemented in various states in India. GIS Software developed provides a centralized database repository system to fetch and store the data including Geographical reference. Software also has many significant features like online powerful analysis, search, Geo-tagging with data, query and easy access to data along with digital maps over virtual data. It helps in generating analytical reports for monitoring purposes with project summary. This App has the capacity to work on both online as well as offline

mode. This App and the portal are being used for monitoring all ITC supported watershed projects in India.



**iv GIS Training:**

NCHSE regularly conducts 45 days long training programme on GIS Application & Operations. The objective of the programme is to enable the participants to apply GIS techniques in many different ways to project planning, implementation, monitoring and impact assessment. After the relaxation of lockdown, one training programme was organized.

**3.6 Targeted Intervention in Urban Areas of Ujjain District for the Prevention of HIV/ AIDS**

NCHSE is facilitating this project (TI) since October, 2008 for prevention of Human Immune Deficiency Virus/ Acquired Immune Deficiency Syndrome (HIV/AIDs) amongst female sex workers. The objective of this project is to ensure safe sexual practice among female sex workers through behavioral change communication for reduction of vulnerability of HIV infection.

In view of restrictions imposed on open activities due to COVID pandemic, the following activities, which align with the permitted activities, undertaken:

- Arranged free medicines for HRGs.
- Organized education campaign on COVID and preventive measures including Hand wash for HRGs.
- Conducted a survey along with Anganwari workers to prepare a list of persons having cold, cough and fever.
- During lockdown, participated in distribution of food packets provided by various other voluntary organizations to the HRG and other needy people.
- Due to restriction no outdoor activity on the occasion of World AIDS day (1<sup>st</sup> December 2020) could be organized. However, on the day, a meeting was organized at NCHSE Ujjain office in which Project staff and Peer Educators participated and discussed next plan of action for the forthcoming months to continue the advocacy programme.

### **3.7 Consumer Protection Initiatives:**

#### **3.7.1 District Consumer Information Centre (DCIC):**

NCHSE being a Telecommunication Regulation Authority of India (TRAI) recognized Consumer Advocacy Group (CAG) for the State of Madhya Pradesh since 2011 is constantly helping consumers in resolving their issues with various telecom service providers through its District Consumer Information Centre established in 2001. The main functions of DCIC are –

- Proper guidance and counselling to aggrieved consumers;
- Protecting interests of the consumers and get them relief through initiating correspondence with the service providers, shops, dealers, etc.
- Registering the cases of consumers in the Consumer Redressal Forum and pursuing it with the competent authorities (apex bodies), if needed.
- Information dissemination and general awareness amongst the consumers about their rights and responsibilities.
- Organising Consumer Awareness programme from time to time.

NCHSE's association as a CAG member with Telecom Service Providers (TSPs) like Reliance Communications, Tata Teleservices, Vodafone, Idea, Airtel, BSNL, Jio Reliance etc. has succeeded in getting prominence in resolving the issues of Telecom Consumers at several platforms. In fact, there is increasing awareness amongst consumers towards telecommunication services and about TRAI initiatives in this regard. With merger and takeover of TSPs, at present DCIC is serving as the focal point for resolution of consumer grievances with TSPs like Reliance Jio, Vodafone and Airtel. These service providers are accelerating their efforts as a result of proactive role of TRAI and NCHSE.

The year 2020-21 was the year of COVID Pandemic. Open activities were restricted ever since imposition of nationwide lockdown from 24<sup>th</sup> March 2020. Therefore, no advocacy programme on consumer protection could be organized. Activities were thus restricted to resolving complaints of the

consumers through online communication and organizing few web-meetings with limited participation.

### 3.7.2 **Advocacy for implementation of COTPA 2003 in Madhya Pradesh:**

Tobacco consumption, a huge public health issue, causes more than 13 Lakh deaths every year in India including about 91,000 in Madhya Pradesh. All these happen due to poor implementation of Cigarettes and Other Tobacco Products (Prohibition of Advertisement and Regulation of Trade and Commerce, Production, Supply and Distribution) Act, 2003 (COTPA). As per this Act, the sale of cigarette and other tobacco products to a person below the age of eighteen years and within a radius of 100 yards of educational institutions are prohibited.

In view of CORONA Pandemic, no advocacy programme to discourage tobacco consumption could be organised. But time to time analysis of relevant reports on impact of tobacco consumption on human health and recommendation to reduce the health impacts were released to the press for awareness among the people.

- i. On the occasion of **National Cancer Awareness Day**, a Social Media Campaign was launched to create Awareness for giving up tobacco smoking and chewing to prevent cancer and a press release was issued on 7th November 2020.
- ii. A press release on the recommendations of the report titled **“Tobacco Control Law in India – Origins and Proposed Reforms”** released by the National Law School of India University (NLSIU) on the Cigarettes and Other Tobacco Products (Prohibition of Advertisement and Regulation of Trade and Commerce, Production, Supply and Distribution)



Act, 2003 (COTPA), which elaborated on the gaps in the Act, and proposed reforms was released on 27th November 2020.

- iii. Memorandum submitted to the Hon'ble Chief Minister, Madhya Pradesh on 18<sup>th</sup> Feb 2021 requesting his kind intervention for the effective implementation of the ***tobacco vendor licensing*** in the state to prevent untheorized selling of tobacco products.

### **3.8. Environment Helpline: Citizen's Engagement for Sustainable Urban Development**

In 2015, NCHSE and Friends of Environment Group has established NCHSE Environment Help line, a platform, where common citizen, especially youth could reach out for advice/help on urban developmental issues in Bhopal as well as in entire Madhya Pradesh and to enable them to raise the issues of public interest with the concerned authorities.

More than 300 persons ranging from senior bureaucrats, specialists on different discipline, institutions having mandate of environmental protection and conservation and general public of Bhopal are actively associated with the activities of Environment Helpline.

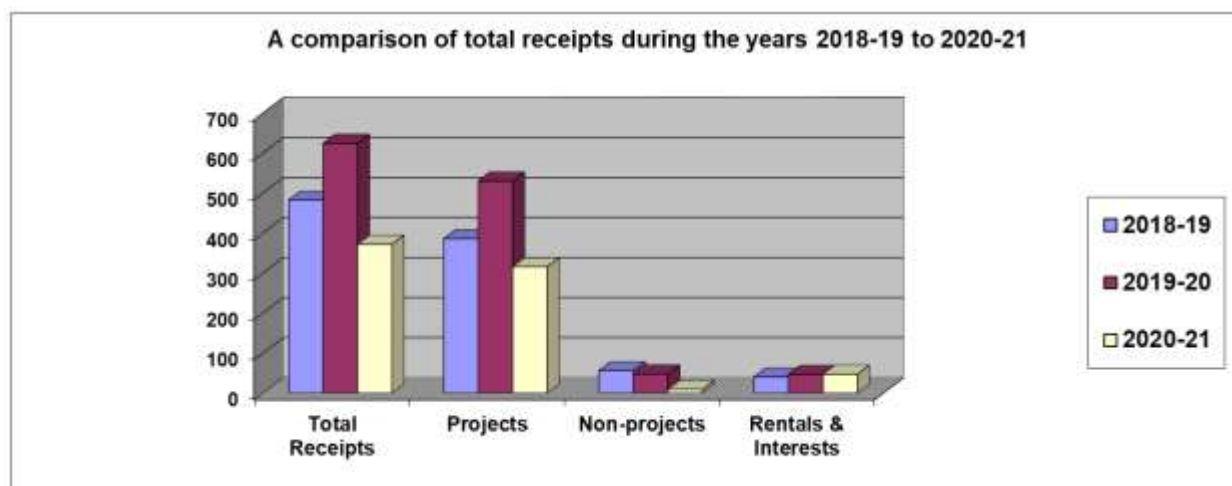
On 6th March 2020, i.e. just before the imposition of Nationwide Lockdown, T &CP had invited objections/suggestions on the draft Bhopal Development Plan 2031. Despite hardship of non-availability of the draft Bhopal Development Plan in print form, it was analyzed by the members of Environment Helpline and objections were submitted online to the Director/Commissioner, T&CP.

In view of challenges emerging due to CORONA Pandemic, memorandums were also submitted to the Chief Secretary, Principal Secretary, Urban Development and Commissioner, T&CP to consider planning approach which could address the emergency situations like that arose due to corona pandemic.

Memorandum were also submitted to the honourable Minister, Environment and the Chairman, State Wetlands Authority, Chief Secretary & Vice Chairman of the State Wetlands Authority and to the Director, Town & Country Planning, Bhopal pointing out that the Draft Bhopal Development Plan 2031 completely ignores the importance of Upper Lake as a crucial ecological habitat, which has been designated as Bhoj Wetland, a Ramsar Site by Govt. of India, but has no reference in the draft plan. In the memorandum emphasis was given on the compliance of restrictions as per Rule No. 4 of the Wetlands (Conservation & Management) Rules 2017 in the draft Bhopal Development Plan – 2031 to save the Upper Lake, the ecological heritage of Bhopal.

**Receipts and Expenditure of NCHSE**  
**2020-21**

## Total Receipts during 2018-19 to 2020-21

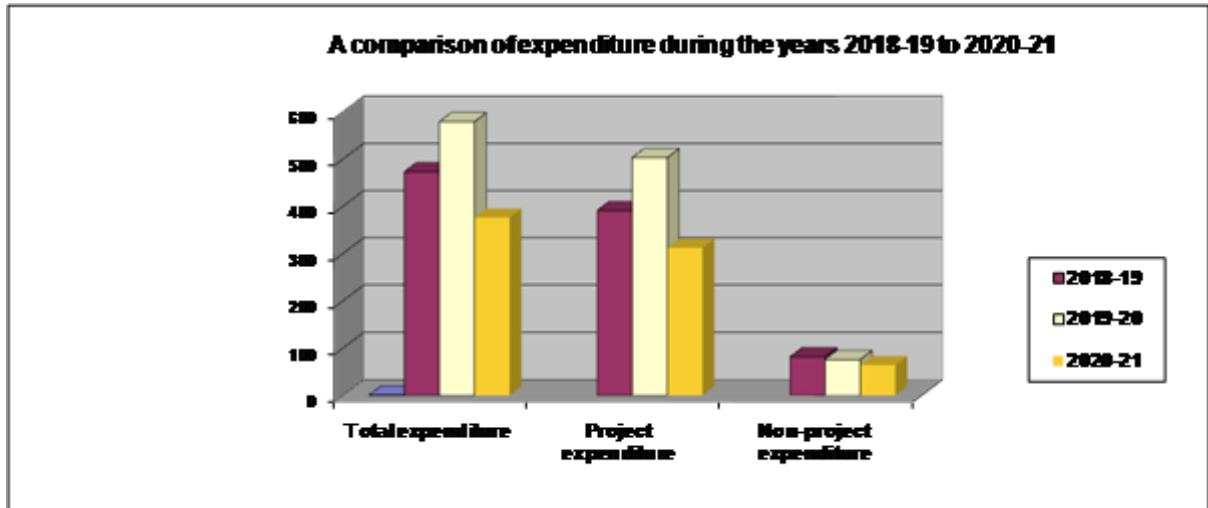


Year	Total Receipts (Rs. in lakhs)	Break up of receipts (Rs. in lakhs)		
		Funded activities	Non-funded activities	Rentals & Interests
2018-19	482.49	386.05 (80.01%)	56.03 (11.62%)	40.41 (8.37%)
2019-20	624.53	530.06 (84.87%)	47.82 (7.66%)	46.65 (7.47%)
2020-21	372.08	315.74 (84.86%)	9.16 (2.46%)	47.18 (12.68%)

Figures in parenthesis represent percentage from total receipts for the respective years.



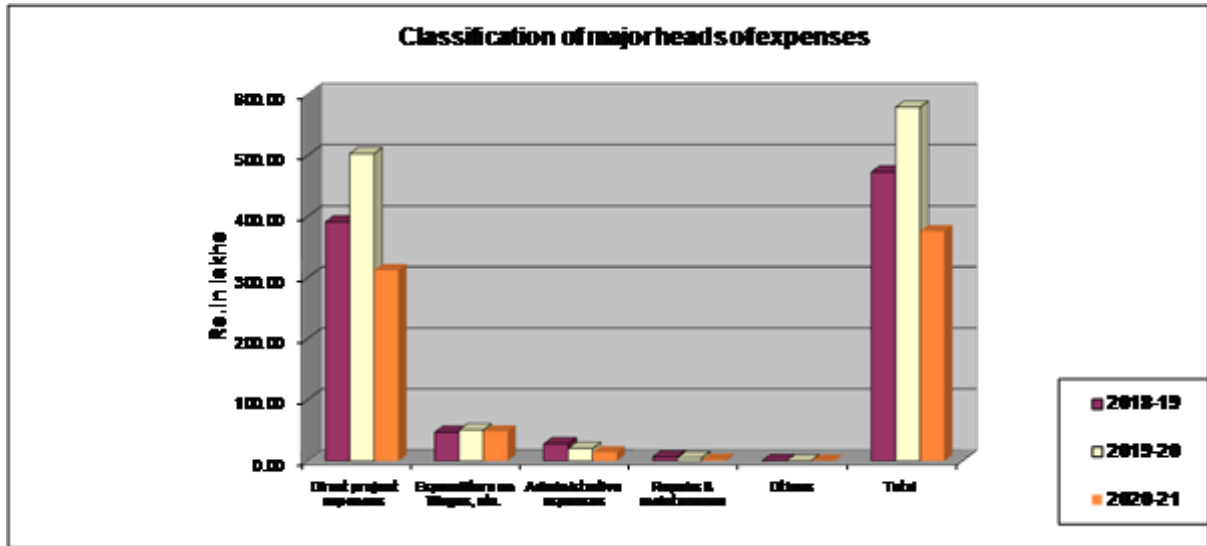
## Expenditure during 2018-19 to 2020-21



(Rs. in lakhs)

Year	Total expenditure	Project expenditure	Non-project expenditure
2018-19	473.13	391.43(82.73%)	81.70 (17.27%)
2019-20	579.05	503.07(86.88%)	75.98 (13.12%)
2020-21	376.02	312.05(82.99%)	63.97(17.01%)

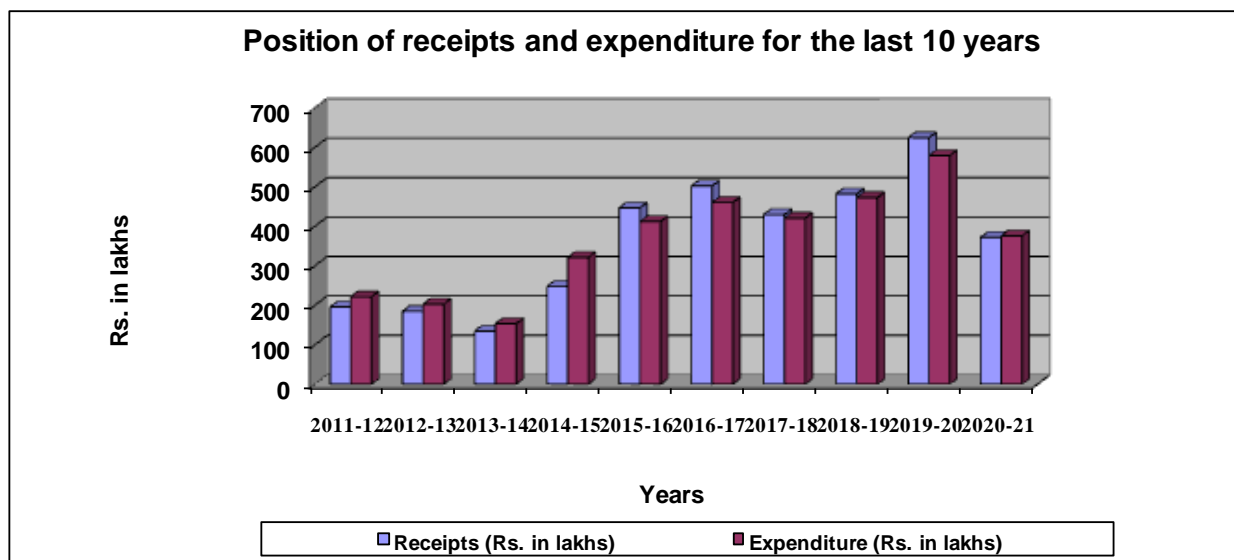
## Classification of major heads of expenses



(Rs. in Lakhs)

Year	Direct project expenses	Expenditure on Wages, etc.	Administrative expenses	Repairs & maintenance	Others	Total
2018-19	391.43 (82.73%)	46.97 (9.93%)	27.99 (5.92%)	6.60 (1.39 %)	0.14 (0.03)	473.13
2019-20	503.07 (86.88%)	50.58(8.73%)	20.19 (3.49%)	5.18 (0.89 %)	0.03 (0.01)	579.05
2020-21	312.05 (82.99%)	48.26(12.83%)	13.86(3.68%)	1.84 (0.49 %)	0.01	376.02

## Position of Receipts and Expenditure for the last 10 years



Year	Receipts (Rs. in lakhs)	Expenditure (Rs. in lakhs)
2011-12	195.90	221.57
2012-13	184.86	203.09
2013-14	134.70	153.39
2014-15	247.72	321.37
2015-16	446.76	412.57
2016-17	502.43	460.64
2017-18	429.82	421.15
2018-19	482.49	473.13
2019-20*	624.53	579.05
2020-21	372.08	376.02

\* Surplus include Rs. 76.99 lakhs as unspent project fund.

**Annexure-1**  
**Governing Council of NCHSE**

S. No.	Name and Address of the Member	Designation
1.	Mrs. Nirmala Buch, E-4/17, Arera Colony, Bhopal. Email: nirmala.buch@gmail.com Mob.: 9425014105, Tel: 2464803, 2467105	Chairperson
2.	Dr. Pradip Nandi 24, Comfort Enclave, Bhopal -462039, Email: nandip1301@gmail.com Mob.: 9425008936	Director General
3.	Dr. V.D. Garde E-5/11, Arera Colony, Bhopal. Email: vgarde@gmail.com; Mob:9425012128	Member
4.	Shri Ramesh Chandra B-2, Chanakyapuri, Chunabatti, Bhopal. Email: : ramesh.mani2k@gmail.com Mob. 94256 24191, Tel: 2424033	Director (DCIC) & Member
5.	Shri R.R.S. Chauhan 59, Chatrapati Shivaji Colony, Chunabatti, Bhopal. Email: rrchauhan@gmail.com Tel: 2424093 / 98935 58893	Member
6.	Dr. Pratibha Rajgopal P-18, Premium Bungalows, Akriti Ecocity, Bhopal. Email: pratibharajgopal@gmail.com Mob. 9425600643	Member
7.	Dr. G.S.Kaushal 75 A, Janki Nagar, Chuna Bhatti, Kolar Road, Bhopal. Email: kaushalgs43@gmail.com Ph. No.: 2428154; Mob.: 9826057424	Member
8.	Dr. Suhas Kumar, IFS (Retd.) HIG- 206, Bagmugalia Extn., Laharpur, Bhopal – 462043. Email: sukum48@rediffmail.com Mob: 9425303461	Member
9.	Dr. Ajoy Bhattacharya, IFS (Retd.) House No. 16, Aranya Enclave, Bagmugaliya, Bhopal-462043. Email: ajoykb@gmail.com Mob.: 9425014566	Member
10	Prof. Savita Subherwal Raje H.No. 3/17, MANIT Campus, Bhopal. Email: savitaraje@manit.ac.in Mob.: 9826242266	Member
11	Prof.( Dr.) Rekha Singhal Indian Institute of Management Ranchi-834008, Jharkhand Email: rekha.singhal@iimranchi.ac.in Mob.9425303741 , 8878666741	Member
12	Dr. D. D. Banerjee H.No. 307, C Sector, Shahpura, Bhopal-462016. Email: devdas.ddbanerjee7@gmail.com Mob. 9425372276	Member