

Unnat Bharat Abhiyan

Meerpur

Indian Institute of Technology Roorkee

Tentative Action Plan for Autumn Semester 2023

About the Village

Following are the demographic details & condition of the cluster, along with the involvement of UBA IIT Roorkee for the past few years.

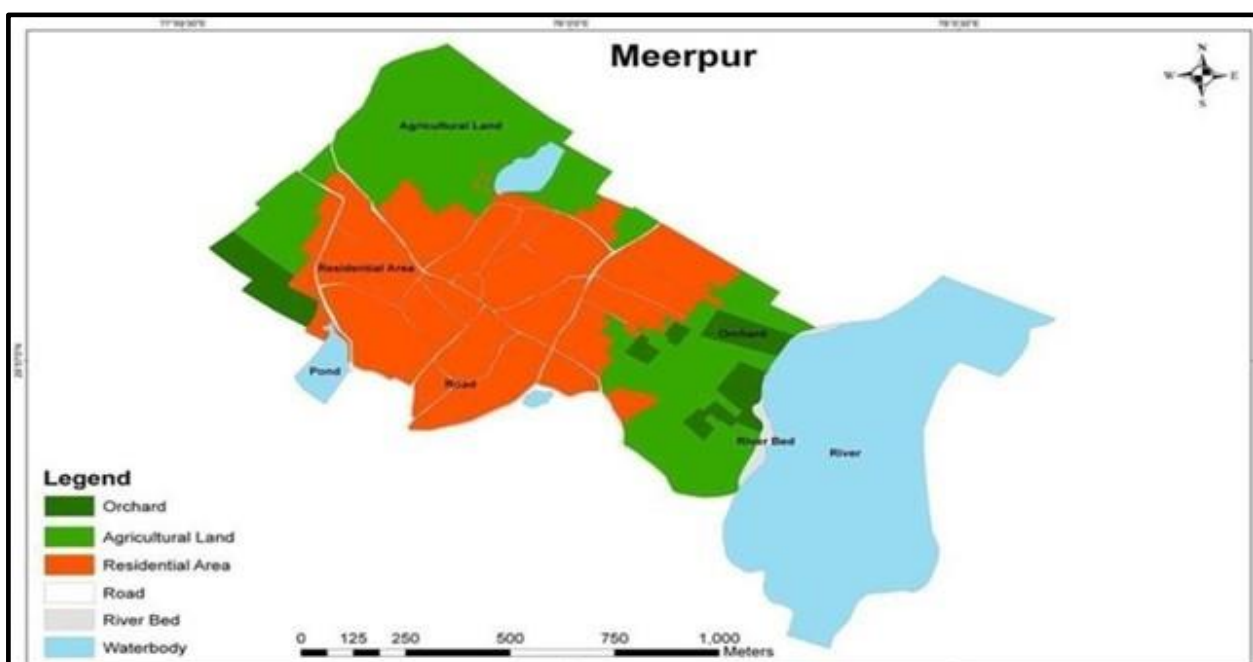
Location	The village Meerpur is in Bahadrabad block of Haridwar district in Uttarakhand, India.
Route Map	https://goo.gl/maps/iz3ci7wQmB2ifGkv8
Connectivity with Highway	It is at 17 km from Roorkee and about 5 km apart from NH-58, which connects Roorkee to Haridwar.
Location/Village Code	249402
Nearest Major Railway Stations	Haridwar & Roorkee Junction
Governance	Governed by Meerpur-Muwazarpur Gram Panchayat
Population Details	<ul style="list-style-type: none">• The total population in the village is approximately 4,500 (around 2,500 eligible for voting).• Total households in the village are 650, with 224 of these families below the poverty line.• The village population is quite diverse in nature, with 70% Hindus and 30% Muslims.
Caste Distribution	The general population in the village is 45%. OBCs/SCs consist of 55% approximately.
Occupation	<ul style="list-style-type: none">• Major occupation is agriculture and its related pursuits.• Many people also work as masons, daily wage laborers, in nearby areas like Sidcul etc. Few people own their shops.
Schools	<ul style="list-style-type: none">• One primary school• One secondary school• One high school has been started recently. Presently, it has only class 09th.• Two private schools which have class till 10th.
Cooperative Groups & SHGs	<ul style="list-style-type: none">• There are around 4 SHGs.• Currently, no active SHGs.

Condition of Water	<ul style="list-style-type: none"> • The sources of water for day-to-day usage include Tube wells/Borewells, Handpumps (Govt./Personal) and Submersible pumps. • There are no govt. pipelines for water supply. Underground water is available at nearly 70 ft., although water suitable for drinking purpose is observed nearly at 120 ft. • Water shortage problem is not faced even at peak summers. • There exist no water conservation techniques
Condition of Houses	<ul style="list-style-type: none"> • Almost all the villagers in Meerpur at least had a roof over their heads. • Most houses are pucca with an average area of 200- 300 sq. ft. • On an average house have 2 rooms. • Most of the houses were 12-15 years old. • Majority of the houses are self-financed.
Services	<ul style="list-style-type: none"> • Nearest Petrol/Diesel Pump, Bank, Cooperative Store, Cold Storage, Mandi, Community Center, Police Station present in Bahadarabad. • Healthcare Center present in Meerpur. • No industrial setup • The Art & Handicraft Sector is not well developed & the sources (if any) depend upon the local market only. • No renewable energy setup
Hygiene	<ul style="list-style-type: none"> • Most households have in-house toilets and use soak pits for wastewater drainage. Government schools have just one lavatory for girls, one for boys and one for staff. • The lavatory in schools is in unpleasant condition. Cleaning of loo was one of the primary concerns in the school. • Open drains with bad odor and at some places drain not even exist. People have built tanks under their toilets (in most cases, not concrete walls) which contaminates ground water. • These spread various diseases in the village. The wastewater from kitchen and other sources from the household goes into the village lake causing its eutrophication.
Electricity and Other Energy Sources	<ul style="list-style-type: none"> • Almost all the houses have electricity connections and had meters monitor their usage. The tariff is monthly. • Power cuts of 1-2 hours per day on average. Electricity is supplied by the means of overhead poles. No voltage fluctuation was reported. • For kitchen and other uses, most households now use petroleum gas, though some people still use coal and firewood. • Renewable energy sources are not available.
Initiatives conducted by UBA IIT Roorkee	Computer Installation, Government Awareness Scheme, Essay Writing, Yoga Awareness, Covid Help, Aadhar Camp, Solar Cooker, Water ATM Setup, Solid Waste Management Initiative.
Ongoing Initiatives by UBA IIT Roorkee	Waterless Urinals, Vermicompost, Anushruti, Bioenzyme, Pond Restoration, RTE, JNVST, Health Camp Organization.

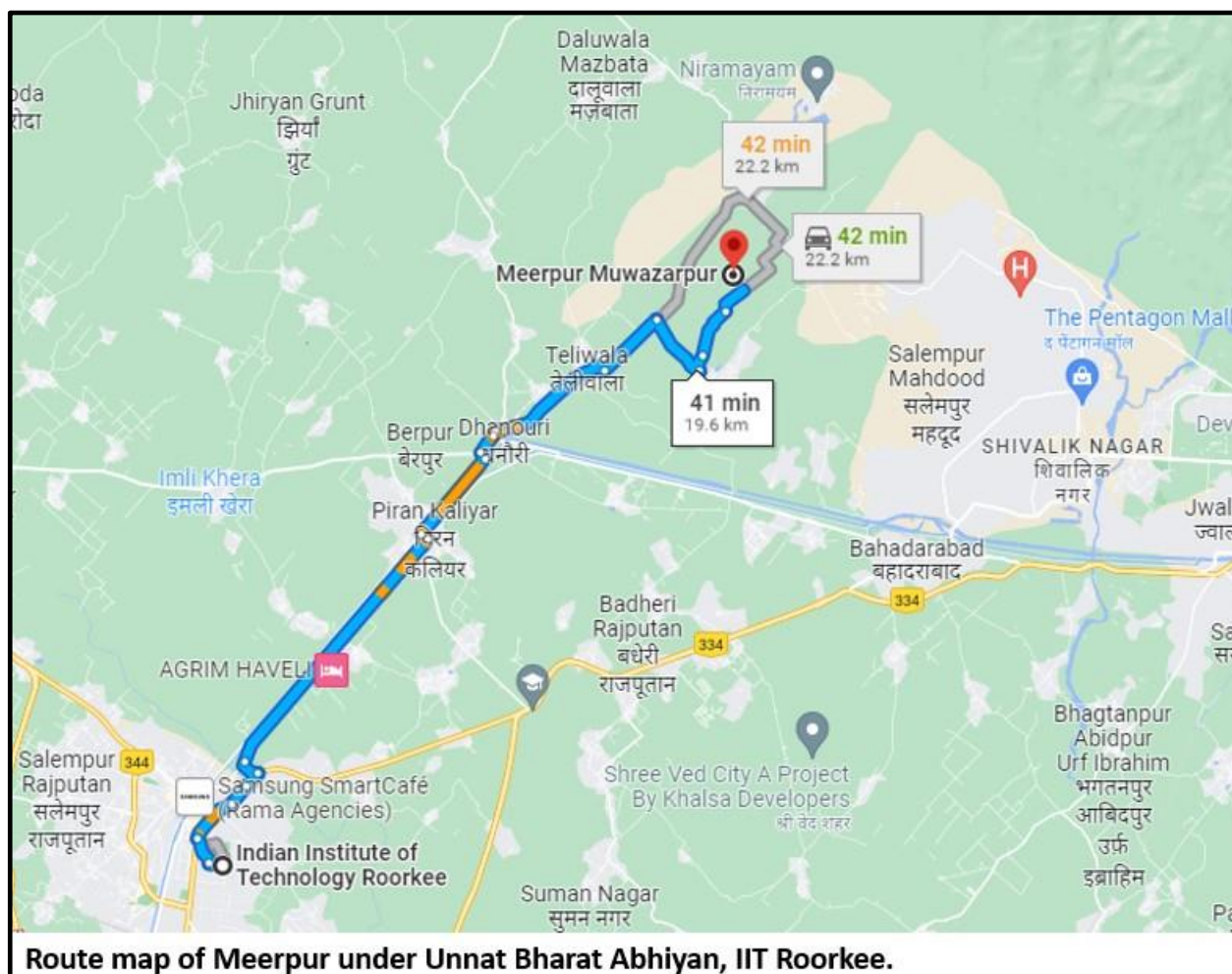
Glimpses



Satellite Map of Meerpur Cluster under Unnat Bharat Abhiyaan(UBA), IIT Roorkee



Map of Meerpur Cluster under Unnat Bharat Abhiyaan(UBA), IIT Roorkee



Date-wise Tentative Action Plan

Following is the date-wise tentative action plan for Team Meerpur for Autumn Semester of 2023:

1. Waterless Urinals

Dealing with the problem of excessive water wastage in Meerpur schools, a proposed plan of setting up of waterless urinals has been initiated. Noticing the water-related problems in the village, there is a need to involve methods to save up water in daily life. Also, there is sufficient space available on school premises to install urinals and to set up a small garden for reusing urine as a fertilizer.

Date	Activity
April, 2023	Asked permission from school authorities to install urinals.
May, 2023	Inspected the place of urinal installation in the school.
July - August, 2023	Sent initiative proposal to Eco Solution Pvt. Ltd and got response regarding the prices of steel and plastic urinals.
October, 2023	Purchasing the urinals and looking for plants for urine bed setup
October, 2023	Final setup

2. Anushruti

Two students were recognized who have the potential to study and achieve great heights but are stopped by their disabilities. Noticing their potential, the aim is to get their admission done in Anushruti School on our campus, which aims to provide education to deaf and mentally retarded students.

Date	Activity
27 June, 2023	Problem identified and contacts collected.
24 July, 2023	School enquired regarding the admission process and documents required
25 July, 2023	Parents were informed about the process and opportunities
August, 2023	Convincing parents and looking for NGO for fee payment if needed and the team came to know that one student is 4 years old and her admission can't be done in Anushruti
September, 2023	Parents will visit Anushruti and meet the authorities

3. Pond Restoration

The village Garh Meerpur where the pond is situated is at the Delhi-Badrinath highway between Roorkee and Haridwar, about 25 km from Roorkee. The rehabilitation of the pond is highly essential for the villagers living in the village. The requirement of the residents will be solved by treatment of raw sewage which is directly entering into the pond and polluting the water source.

Date	Activity
14 May, 2023	Wastewater Sample Collection
May-August, 2023	Contacted Ramveer Tanvar for the pond cleanup and visited the other pond to check whether it is comparatively clean
October, 2023	Making Proposal for the restoration
December - January	Contacting NGOs and making a concrete plan for the restoration and arranging funds. Considering Lotus Farming for commercial purposes.

4. Vermicompost Bed

There live many farmers in village thus this initiative is chosen to make them use chemical free ecofriendly fertilizer. So, the team has decided to contact more farmers and explain them about vermicomposting actually works. Study of the market for the compost and worms was done. Thus Provided training to the farmers and got the Vermi bed installed along with preparation of the initial compost. Regular visits to examine the beds installed were done.

The process will be done by the following steps:

- Informing the uses of beds to farmers
- Usage of available stuff in the village to prepare manure efficiently.
- Beds installation
- Proper conditions are arranged for the bed.
- Knowing improvements of beds

Date	Activity
October, 2023	Convincing farmers for Vermicompost bed setup
November, 2023	Vermicompost bed setup
....	Regular updates of bed will be taken periodically

5. Jawahar Navodaya Vidyalaya Samiti Test (JNVST)

JNVST (Jawahar Navodaya Vidyalaya Selection Test) is conducted Every year to get Admission in Class VI and IX. August 10 is the last date to apply for class VI JNVST Exam. Team is Planning to Provide Proper Guidance throughout their Journey from Registration as well as in their Preparation Journey. Team is set to provide Study Materials, Model test Paper to boost Their Preparation.

Date	Activity
23 July, 2023	Collected the list of students from Lucky Childrens School
25 July, 2023	Collected the list of students from GPS Garh Kutubpur
31 August, 2023	Completion of Registration for class VI
September, 2023	Making groups with students and allotting mentors who will guide the students and providing the reference materials

6. Farmers Producers Organization (FPO)

FPO stands for Farmers Producers Organization. It is an organization of farmer-producers that provide support to small farmers with end-to-end services covering almost all aspects of cultivation from inputs, technical services to processing and marketing. The team is working with our team to add farmers from Meerpur to FPO - Jeev Amrit to increase their income which will help farmers in the future.

Date	Activity
14 May, 2023	Conducting a survey to determine the different types of crops grown by the farmers in the village.
October- November , 2023	Conducting a FPO session in the village.
December- January,2023	Finally adding them to FPO - Jeev Amrit.

7. Cycle Donation

The village Meerpur has a lot of students who need transportation to attend schools but due to their family's socio-economic condition, they need to somehow manage to get to the school by inconvenient means. The UBA team of Meerpur, have decided to donate cycles to studious and students in need at the Meerpur Primary school and Meerpur Junior High school.

For the initiative, the team has decided to distribute unclaimed cycles in good and working conditions at different *Bhawans* in IIT Roorkee campus. For that, after contacting and arranging cycles from the *bhawan* authorities, the team would distribute the cycles to Meerpur students in a donation drive.

Date	Activity
02 July, 2023	<i>Bhawans</i> didn't had cycles at that time.
August, 2023	Meeting the principal to get a list of students at schools to arrange a distribution session
October, 2023	Contacting <i>bhawan</i> wardens and supervisors to get a list of unclaimed and working cycles.
November, 2023	Distributing cycles to students

8. Wheelchair Donation

There are two members in the village without legs that cause him a lot of suffering. Pradhan suggested that dignitaries aren't listening to him so UBA can help in reaching out to the right authority and can help him provide the wheelchair cycle. The team had tried contacting Prof Rajat

Aggarwal from Rotary Club and other NGOs through mail and calls but wheelchairs were not available.

Date	Activity
September-October, 2023	Contacting NGOs for wheelchair
October, 2023	Meeting the person and give the wheelchair

9. Health Camp

The health camp's main goal and scope are to spread health care facilities in the given area, promote health care, early screening, and detection of disease, reach the unreached community population, and raise awareness of various diseases.

Date	Activity
July, 2023	Contacting the organization for health camp
August, 2023	Filling form provided by them for the health camp
September, 2023	Organizing the camp in the village by choosing the location.

10. Dairy Initiative

There is a big number of cattle in the village and women used to sell milk in their nearby houses, so they don't get enough payment for that, so they are willing to set up dairy in the village. SHG head Rachna ji is willing to take lead on this initiative so the team will be helping with dairy set-up in the village.

With the help of block dairies can be registered and will try to connect them through some milk companies like Amul such that they can sell milk at a profitable price and better income will be produced from that. The team is contacting some local milk corporate firms to sell directly to them. The team has also mailed IIT administration to purchase milk directly in the campus.

Date	Activity
July, 2023	Collected Data of Local selling Price of the milk in the Village.
August – September, 2023	Mailing to Corporate firms of milk for Direct Purchasing of Milk from SHGs.
September, 2023	Convincing the Villagers and searching for a person and suitable space to Set Up the dairy.
October- November, 2023	Final Setup of Dairy.

11. Science Lab

It was observed by the team during its past visits that the students at Junior High School, Meerpur lacked an understanding of the basic concepts of science. So, to strengthen their concepts through practical demonstration of the experiments and motivate them to learn science with more passion, this will be conducted. The team will provide the materials required for making the projects to the students and set up a lab and demonstrate and illustrate the science experiments to the students of classes 8th to 10th, and then will ask them to make a working model of the same experiments as their project for the science exhibition.

Date	Activity
September, 2023	Deciding the experiments and contacting organization if they can provide the science kit by contacting the schools and according to the syllabus of the students
September, 2023	Searching Organization

October, 2023	Organizing training session where they can teach us the process of making science kits
November, 2023	Setting up lab and Demonstrating the experiments to the students.

12. Common Service Centre (CSC)

Establish a Common Service Centre (CSC) in the village to provide services such as online registration, payments, bookings, and Aadhar enrollment. Reach out to villagers and encourage their participation in the CSC initiative. The aim is to motivate villagers to enroll in computer courses by highlighting the benefits of computer literacy, such as improved job opportunities and convenient access to online services.

Date	Activity
April, 2023	The team had found a tutor who was preparing for PMGDISHA examination.
September, 2023	Complete all infrastructure requirement and verification of CSC by District Manager
January, 2024	Registration for PMGDISHA through CSC Centre Login Id.

13. Flower Cultivation and Incense Stick Machine Installation

Ms Rachna Ji, who is an active member of SHG in Meerpur, grows Marigold flowers and sells them directly to Haridwar. This gives them less money comparatively which she can get if she makes any product out of these flowers. So, the team is planning to give them training regarding making incense sticks from flowers which will give them employment and, they can earn a good amount of money instead of directly selling the flowers. The team is also planning if the used flowers from temples can be get which can be further used to make incense stick. Thus, this will also be an effective way of waste management.

Date	Activity
June, 2023	Found out that women cultivate marigold and agree to make incense stick by marigold flowers.
August-September, 2023	Searching organizations which can provide training for the same
September, 2023	Provide training to make raw material for making incense Stick
October, 2023	Incense stick machine installation and providing training to make incense from the machine. Identifying a proper market to sell the incense Sticks.

Tentative Budget

Initiative	No of Visits	Members Required	Estimated Budget			
			Log.	D.A.	T.A.	Total
Waterless urinals	03	03	25750	1080	300	27130
Anushruti	02	02	0	720	300	1020
Pond Restoration	03	03	*	1620	300	1920 + Some Logistic cost
Wheelchair	01	01	0	180	300	480
FPO	02	03	100	1080	300	1480
Vermicompost	02	02	5000	720	240	5960
Cycle Donation	01	02	5000	360	300	5660
JNVST	02	02	1000	720	300	1370
Health Camp	01	04	0	720	300	1020
Dairy Initiative	04	02	1500	1440	300	3240
Science Exhibition	01	02	4000	360	300	4660
CSC Center Installation	03	02	100	1080	300	1480
Flower cultivation and incense stick machine installation	04	02	10,500	1440	300	12240

* Nearly 25 Lakhs

Tentative Total Budget: Rs. 67,660