

# QUARTERLY REPORT

JULY '23 - SEPTEMBER '23

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# OBJECTIVES

- 1.To raise awareness towards waste generators including commercial establishments, households, and tourists for reduced waste dumping, littering, and burning, as well as in segregating waste at source.
- 2.To enhance existing infrastructure and introduce new infrastructure as per the gaps identified from the baseline study
- 3.To operate and monitor existing infrastructure including the Material Recovery Facility and waste bank installed by the District Administration
- 4.To identify and build capacity of a local waste entrepreneur to build the local waste value chain and sustainably operate the Material Recovery Facility
- 5.To support in channelizing and consult on utilizing government funds for waste management
- 6.To build capacity for livelihoods for local communities and waste workers to promote alternative to plastic-based materials
- 7.To build the capacity of all stakeholders including District Administration, Gram Panchayats, Market Associations, Forest Department, Tourism Department, Department of Agriculture, contracted waste collection agency, etc

# PROPOSED DELIVERABLES Q3



- Passing of Bye-laws and MOU signing with Panchayat.
- Contractor route extension in discussion and in mutual agreement with Zilla Panchayat
- Existing Operations strengthening with identifying problem and loopholes.
- Strong IEC strategy for Waste Bank in Kempty fall area.
- Green workers livelihood strategy defining with Organisation support.
- Streamlining of finishing good and reducing the pilferage by liaising with Zilla Panchayat supervisor
- Liaising with forest department for Infra-gap support to run operations smoothly.
- Focus on increasing behavioural change for locals through IEC targets.

# AREA OF INTERVENTION

## VILLAGE AREA



Under this project we are covering two panchayats Siya and Banglow ki kandi. Focusing on awareness of the residents and commercials through events like Mohalla meetings, Clean Up drives, Stakeholder meetings, etc. Major percentage of this area are households.

## KEMPTLY ROUTE



Route area is the National Highway serving as the main route towards Kemptly Fall. This area witnesses high traffic during the peak season. It comprises mainly of commercial establishments specially restaurants and Maggie points. Our focus was on Door to Door awareness, source segregation & encouraging clean business program.

# KEMPTY FALL AREA



The main attraction for the tourists in this area is the Kempty Fall. It is a stretch of stairs from the main road leading to the fall. Variety of establishments are found for tourist shopping which generate both dry and wet waste on daily basis.

# MATERIAL RECOVERY FACILITY



Material recovery facility in the foothills of lower Himalaya has been funded by UPCL through DM Tehri to Forest department and now operated by Waste Warriors. The total land allotted for the facility by the village Panchayat Banglow ki Kandi is 1020 Sq. Ft. Operating capacity per day is 250-300 kgs with current operational area 600-700 sq.ft..

# WASTE COLLECTION



Waste collection happens on daily basis by Zila Panchayat in Kempty Route & Siya Panchayat. People unwilling to give waste deposit in Dry Waste Storage Units (DWSU's). Waste collection vehicle also un fills the DWSU's on regular basis in all the areas.

# KEY IMPACT METRICS

**11+ MT**

TOTAL WASTE DIVERTED AWAY FROM THE ENVIRONMENT.

**9500+**  
**PEOPLE**

DIRECTLY AND INDIRECTLY ENGAGED IN AWARENESS ON SOLID WASTE MANAGEMENT.

**25**

AWARENESS AND ENGAGEMENT EVENTS CONDUCTED.

**14K +**

REVENUE GENERATED FROM SALE OF RECYCLABLES.



# AWARENESS AND ENGAGEMENT

## KEY METRICS

Deliverables	Annual Target	Quarter 1 (Achieved)	Quarter 2 (Achieved)	Quarter 3 (Target)	Quarter 3 (Achieved)
C1: Wall Murals	2	1	1	0	0
C2: Trainings	6	1	2	2	0
C3: Consultation Meetings	12	1	7	3	4
C6: Community Engagement Activities	24	14	26	-	25
C10: Sign Boards	11	4	0	7	0

	Total establishments	Establishments giving waste (Monthly Avg)	Monthly % of collection
Village Area	716	214	30%
Route Area	397	258	65%
Fall Area	113	113	100%

# LONG TERM PROGRAMS

## CLEAN BUSINESS PROGRAM

We successfully on-boarded 10 businesses in our Clean Business Program for a duration of three months. CBP is an initiative to inculcate the habit of effective waste management systems at source in the businesses. The main criteria's of this program are Source Segregation, Use of Sustainable Alternatives, Awareness Raising, Leadership building and Composting.

- Awareness raising activities are also conducted to educate the staff and customers about the importance of waste management and the benefits of sustainable practices.
- Leadership is a key component of our program, as we work closely with business owners and managers to develop their understanding and commitment to waste management practices. We strive to empower them to become leaders in their industry and advocate for sustainable practices within their communities.
- Composting is another crucial aspect of our program. We educate businesses on the benefits of composting organic waste and provide them with the necessary tools and resources to implement a composting system on-site. This helps businesses close the loop on their waste management, turning organic waste into nutrient-rich compost that can be used to enrich soil or sold/given away to local community members.

Over the course of the program, we monitor the progress of each business and provide ongoing support and guidance. Upon successful completion of the program, businesses will be recognized and rewarded for their efforts to become more sustainable and environmentally conscious.

Through the Clean Business Program, we aim to create a network of businesses that prioritize waste management and sustainability, leading to a cleaner and greener community.





# SWACHH MOHALLA

The villages area of Bangalow Ki kandi is classified into different clusters, further these clusters are divided into different Mohallas. The aim of Mohalla activities is to educate and motivate the villagers to properly manage and dispose of their waste. By conducting segregation and composting training, the residents will learn how to separate their waste into different categories and compost organic waste. In addition, cleanup drives help clean the area which creates a sense of pride and responsibility among the villagers.

Identifying active citizens plays an important role in converting them as role models and leaders in the community, to promote waste management practices and encouraging others to do the same. These active citizens can help us spread awareness, organise events, and also guidance

By working on one Mohalla and transforming it into a model Swachh Mohalla, we can showcase the positive impacts of proper waste management and inspire other Mohallas to follow the same. This approach allows for focused efforts and monitoring to ensure that the desired behavior change is achieved.

In conclusion, the activities conducted in the chosen Mohalla aim to educate, train, and empower the villagers to properly manage and dispose of their waste at source, encourage other Mohallas to adopt similar practices, ultimately leading to a cleaner, healthier, and more sustainable villages



# SCHOOL AWARENESS PROGRAM

The school awareness programs on Solid Waste Management was organised in four different schools in two Panchayats. The aim was to educate and engage students actively in waste management practices.

The programs usually begin with presentations that highlights the impact of improper waste disposal on the environment, that creates pollution, and health hazards. The students are shown various types of waste, such as organic, plastic, paper, etc and told the importance of source segregation

To make the learning experience more interactive and engaging, fun activities were incorporated. Waste sorting games were played, where students had to categorise waste items into different bins. This helped them understand how different types of waste should be managed and disposed of.

Additionally, students were encouraged to share their ideas and suggestions on how to reduce waste generation and promote recycling in their homes and communities. They were given the opportunity to present their ideas and solutions, fostering a sense of ownership and responsibility towards waste management.

Furthermore, students were educated on the concept of composting and its benefits. They were taught how to create a compost pit and use organic waste for producing nutrient-rich compost for their gardens.

The school awareness programs also emphasized the importance of reducing the use of single-use plastics, such as single use bags and bottles.



# ONE DAY EVENTS

## AWARENESS FOR JW MARRIOTT EMPLOYEES

40% of the population of the two panchayats Siya and Bangalow Ki Kandi are of the employees of JW Marriott. To educate JW Marriot employees on the pressing need of waste management at Kempty, we did an individual awareness campaign during their pickup schedule at Siya Panchayat. The employees were patient and sensible towards the waste management problem and equally assured us that they will be bringing their Dry waste and depositing it in the DWSU installed at their pickup point.



## EVENT WASTE MANAGEMENT

Waste Management is important aspect of any event organised locally or outside. It ensures the waste is not disposed in nature, neither burnt but segregated and sent to recycling unit. In the inauguration of a Mandir at Bangalow ki kandi, effective waste management measures was implemented and we would like to appreciate the efforts of the Pradhan of Banglow Ki kandi, Mr Sundar Sigh Rawat for taking up this initiative. The Waste Warriors team has installed bins for wet and dry waste along with clear signage indicating the purpose of each waste bin. Team was stationed at the Mandir for three consecutive days to manage the waste and ensure that there is no littering. All the waste collected during this event was transported to the Material Recovery facility to further processing.



# STAKEHOLDER MEETINGS

## Local Stakeholder Meetings

We emphasize the importance of waste management and the need for active cooperation from all stakeholders for its successful implementation. We provide updates on the progress made in terms of waste collection, segregation, and disposal.

During the meetings, we also address any challenges or issues that have been encountered and brainstorm solutions together. This ensures that all stakeholders are involved in the decision-making process and have a clear understanding of their role and responsibilities in waste management.

Overall, these meetings with local stakeholders are crucial in fostering collaboration, transparency, and accountability in waste management. By involving and engaging all key players, we can collectively work towards achieving our waste management goals and creating a sustainable future for the panchayat.



## District Stakeholder Meetings

Waste Warriors presented the progress of the project to the Chief Development Officer, Tehri Garhwal. In this meeting the assistance required from various departments such as the Zila Panchayat and the Tourist department to ensure the successful implementation of waste management in the two panchayats.

Following this meeting, a presentation was organized for the District magistrate in August. Several other departments were also present during this presentation. The purpose of this presentation was to update the District magistrate and the other departments on the progress of the project and to discuss any further support needed.

These meetings proved to be highly productive, and significant developments have taken place on the ground. The collaboration with different departments has helped in overcoming various challenges and in implementing effective waste management strategies in the panchayats.



# GROUND OPERATIONS

Deliverables	Annual Target	Quarter 1 (Achieved)	Quarter 2 (Achieved)	Quarter 3 (Target)	Quarter 3 (Achieved)
Dry Waste Storage Units	10	5	2	3	0
A5: Waste Banks > enhancement and upliftment (Banglow ki Kandi)	1	1	0	0	0
C11: Dark Spot Transformation	2	0	0	1	0

Month	Waste In	Waste Out/FG Out
July	2197 Kg	0 Kg
August	3749 Kg	1881 Kg
September	5939 Kg	1139 Kg
<b>Total</b>	<b>11885 Kg</b>	<b>3020 Kg</b>

# ON GROUND DEVELOPMENTS

## USERFEES IN KEMPTY FALL AREA

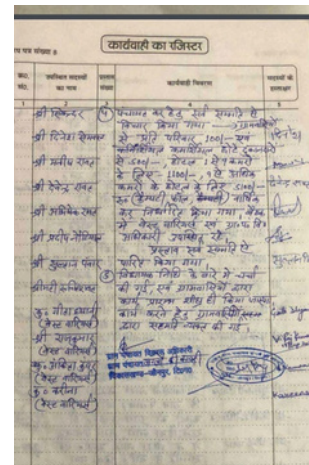
The implementation of user fees in the fall steps area is indeed a significant achievement. This initiative will ensure regular waste collection from every shop and help in reducing the dumping and burning of waste. . By implementing the collection of user fees, the pradhan of Banglow ki kandi Mr Sunder Singh Rawat and his team have taken a crucial step towards promoting cleanliness and proper waste management in the area. This achievement highlights their dedication and commitment to improving the overall hygiene and sanitation conditions in the community.



## PASSING OF BYLAWS IN BANGLOW KI KANDI

The Banglow ki Kandi waste collection bylaws were successfully passed in September. These bylaws aim to establish a system for collecting waste in the area, including the implementation of waste collection charges. Additionally, the bylaws include provisions for penalties and fines for those found guilty of dumping or burning waste.

While the bylaws have been passed, there are still some formalities that need to be completed before the formation of the Swachta Samiti, which is a committee that will be responsible for overseeing and managing waste collection and disposal in the area. These formalities are expected to be finalized by the month of October.



# CONSTRUCTION OF WET WASTE UNIT

The wet waste unit, with the assistance of the forest department, has been constructed in the Siya area. This unit spans an area of 175 square feet and consists of 10 compartments. Its primary purpose is to effectively manage and convert wet waste into compost.

Currently, the construction of the unit is still ongoing and is expected to be completed by the month of October. Once finished, this wet waste unit will play a crucial role in managing and recycling organic waste, contributing to sustainable waste management practices in the Siya area.



# CONSTRUCTION OF RETAINING WALL

We recognize the importance of ensuring the safety of our Material Recovery Facility at khwarsi. The presence of a seasonal rain fall in close proximity to the unit poses a potential risk to its operations. To address this issue, we have decided to construct a retaining wall under the funds provided by Swajal. The construction of the retaining wall aims to protect the unit from any potential calamities caused by the seasonal rain fall. The wall serves as a barrier that prevent any debris or hazardous materials from entering the facility, thus safeguarding its infrastructure and productivity.

We understand the significance of maintaining uninterrupted operations at the Material Recovery Facility, as it plays a crucial role in managing day to day waste collection of entire Kempty. The purpose not only serves as safety but reduces the occupational hazard for green workers at MRF



# ACHIEVEMENTS

- User fee collection started in the fall area
- Ongoing door to door waste collection in the Kempty steps.
- Bylaws have been finally passed in the Banglow Ki Kandi Panchayat.
- Construction of retaining wall at the Material recovery facility.
- Improved relationships with the local and district stakeholder
- Wet waste unit constructed at the Siya area.
- Smooth operations flow in the Kempty fall area by Zilla Panchayat.
- A new land has been approved by administration for waste dumping

# CHALLENGES

- NIMBI attitude leading to mismanagement of DWSU bins.
- Few shopkeepers in Kempty are reluctant to segregate and directly dump their unsegregated waste in the waste bank, the team and pradhan are working to improve the situation
- Monkey Menace at Ranaji Area.
- High scope of improvement from community depositing the waste in DWSU's, currently unsegregated
- Negotiating with district administration for managing RDF/Inert Waste.
- The last quarter rains made it difficult to clear the darkspots on time
- Difficult in finding manpower remains with labour intensive work at Kempty



# TESTIMONIALS



**Rekha Ramola**

Waste Warriors have been working in our Kempty since December 2022. We have seen a lot of difference in our area for which we would like to appreciate the effort of Waste Warriors and also Make My Trip for the support. Under this program there have been four Mohalla's made, out of which I am a resident of one of the Mohalla. There was a dumpsite near our Mohalla where all the residents used to dump their waste. After the intervention of Waste Warriors all the residents of my mohalla handover the waste in a segregated manner to the collection vehicle. We would like to thank and appreciate the efforts done by the team.



**Ajoy Manjumder**  
**Rana ji Hotel and Restaurant**

Hello, I am Ajoy Manjumder. I am the owner of Rana ji Hotel Kempty. Since March, I have known about Waste Warriors; these people are working tirelessly to solve waste problems in the Divine Kempty Fall area. My restaurant is also a part of a campaign called the Clean Business Program. This is a great initiative in which the team of Waste Warriors give training to our staff, do regular followup and Dustbin checking on a daily basis. These people are doing commendable work in the Kempty area. I will always support this team and special thanks to Make MyTrip Foundation for doing this.



**Shreemati Maniben Rawal**  
**Sarswati Shishu Vidya Mandir**

Waste Warriors under the support of Make My Trip foundation conducted an awareness session for the students and Teachers of the school. In this session they explained the ill effects of improper disposal of waste in the kempty region which is leading to littering and effects on the nature and animals around. As a result of the presentation the school and the individuals agreed on disposing of their waste in a proper manner. The school also mentioned to provide all necessary support to Waste Warriors to make Kempty a clean and beautiful tourist destination.

# WAY FORWARD

- Passing of Bye-laws and MOU signing with Panchayat at Siya.
- To initiate the collection of waste within the panchayat's through the help of local entrepreneur.
- To work on a strong IEC strategy for Waste Bank management in Kempty fall area.
- To begin composting in wet waste units constructed at Siya panchayat
- To streamline finished good and reduce the pilferage by liaising with Zilla Panchayat supervisor
- Initiate the local entrepreneur model for Kempty in convergence with Panchayat's
- Strengthening the Model of Swach Mohallas for Bungalow ki Kandi region
- To continue the efforts of waste management in schools and clean business program
- To improve the level of segregation at Kempty route and improve the recovery rate
- IEC Boards installation in both the Panchayat's.
- Planning of Exposure visits for the local stakeholders to Material Recovery Facility to build their vision and problem solving ability for the region
- Strategic communication with stakeholders through forming multiple WhatsApp groups to engage and address the problems of each region separately

# MEET THE TEAM!



**Raj Kumar V**  
Sr. Project Manager



**Ankita Kunwar**  
Project Manager

## Operations



**Rohit Rangarh**  
Associate



**Mohammad Imran**  
Sr. Executive



**Rohit Rawat**  
Executive



**Dharmendar**  
Green Worker



**Vimla Devi**  
Green Worker

## Outreach



**Geeta Dhyani**  
Associate



**Neeraj**  
Executive



**Kiran Rawat**  
Executive

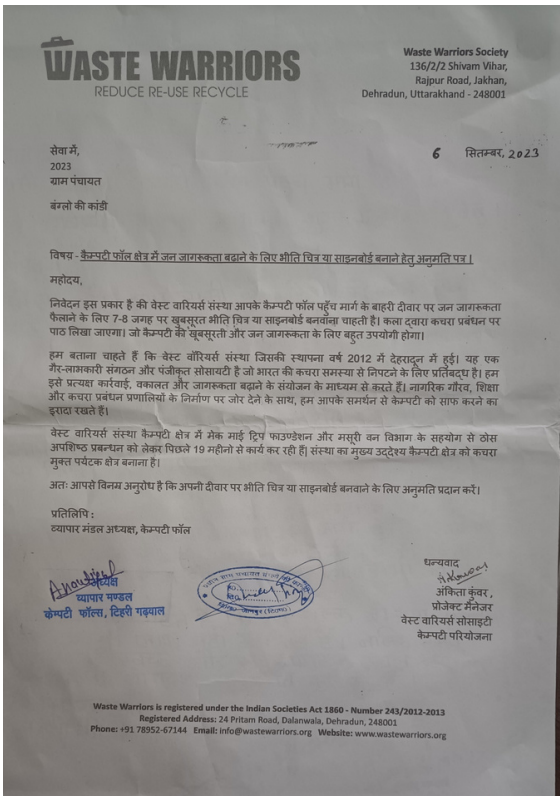


**Kareena**  
Executive

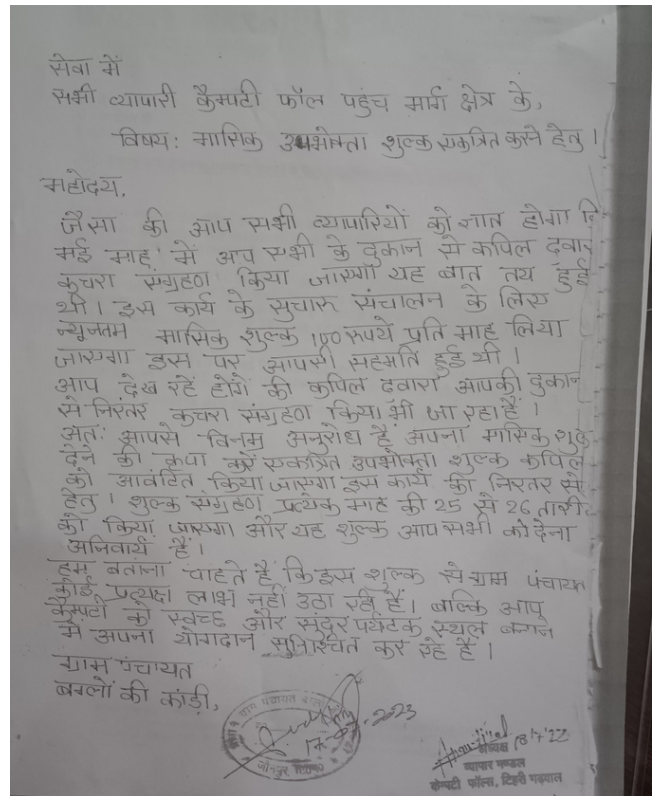


**Ritika**  
Executive

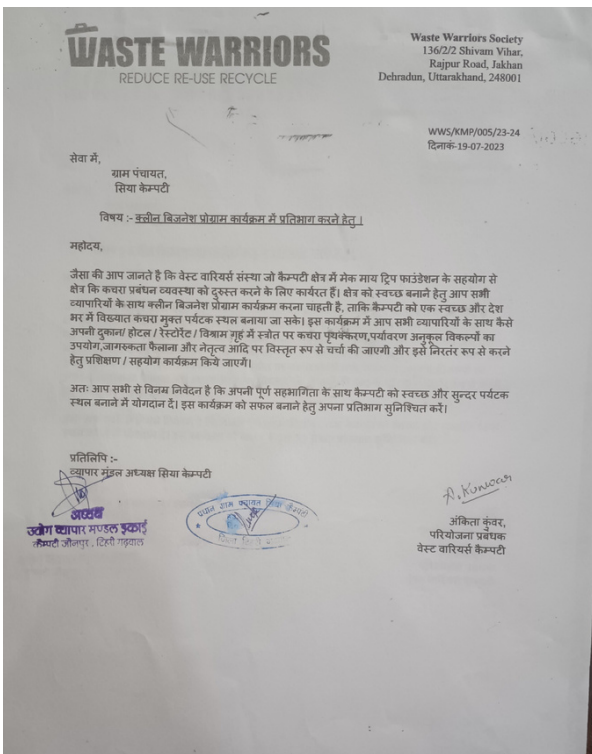
# LETTERS SUBMITTED



Letter to Signboard and wall painting in fall area



Permission letter for userfees collection



Letter for Clean Business Program



Letter For CDO

# MEMORABLE MOMENT

Date - 15th August 2023

Flag hoisting for the first time in the kempty Fall Area.



# ON GROUND PARTNERS

Zila Panchayat, Tehri Garhwal

Gram Panchayat, Siya

Gram Panchayat, Banglow Ki Kandi



# WASTE WARRIORS

REDUCE RE-USE RECYCLE

Head Office Address:

Waste Warriors Society  
136/2/2, Shivam Vihar,  
Jakhan, Rajpur Road,  
Dehradun, Uttarakhand, 248001

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## Thank You. Let's Discuss.

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