

QUARTERLY REPORT

JANUARY '24 - MARCH '24



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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 Q5



- Infra improvements in the MRF and enhancing the collection efficiency at Kempty steps area.
- Completion of MRF extension and also inauguration of wet waste units at the same location.
- Finalisation of the entrepreneur.
- Userfees collection to start in the bunglow ki kandi panchayat.
- Twin Bins to be Installed for tourists to manage Dry & Wet Waste at Kempty Fall Stairs.
- Clean Business Program to be conducted with five new business.
- Build better relationships with the Zila Panchayat workers with regular trainings and meetings.
- Swachata Mahotsav Event to celebrate the Journey of Zero Waste and reflect on progress achieved with acknowledgement and appreciation of stakeholders involved.
- Safety fencing behind the Material Recovery Facility at Siya.

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 and tenants.

KEMPTY ROUTE



Route area is the National Highway serving as the main route towards Kemptoy 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 unfills the DWSU's on regular basis in all the areas.

KEY IMPACT METRICS

9.5+ MT

TOTAL WASTE DIVERTED AWAY FROM THE LANDFILL.

24

AWARENESS AND ENGAGEMENT EVENTS CONDUCTED.

**393
PEOPLE**

DIRECTLY & INDIRECTLY ENGAGED IN AWARENESS ON SOLID WASTE MANAGEMENT.

19.5K

Userfee collected in Kempty fall steps area

20K +

REVENUE GENERATED FROM SALE OF RECYCLABLES.

2

CAMPAIGNS CONDUCTED



AWARENESS AND ENGAGEMENT

January & February

Deliverables	January	February
Tourist Engagement Activity	2	-
Green Workers Training	1	-
Clean Up Drive	1	1
Movie Screening	1	-
Clean Bussiness program Training	-	5
Stakeholder meeting	-	1
Plastic bottle and cloth waste collection drive	-	1

March (Year 2)

Deliverables	Target	Achieved
Campaign Based Programs	2	2 (Ongoing)
Clean Up Drive	1	1
One Day Events	-	4
Combine meeting with Market Association & Shopkeepers	-	1

Month	Total Residential	No of Residential giving waste	Total Commercials	No of Commercials giving waste
January	1093	241	468	269
February	1093	255	468	279
March	1093	265	468	266

LONG TERM PROGRAMS

CLEAN BUSINESS PROGRAM

We've recently welcomed ten new businesses into our Clean Business Program (CBP) for a three-month period, alongside our continued collaboration with the fifteen businesses already enrolled in the program.

The CBP remains a cornerstone initiative dedicated to instilling effective waste management practices at the source within businesses. Our program emphasizes Source Segregation, the use of Sustainable Alternatives, Awareness Raising, Leadership Building, and Composting.

With the inclusion of these new businesses, we've actively engaged in relationship-building activities, conducted awareness sessions, and facilitated hands-on activities. Our primary goal is to elevate waste segregation standards within these businesses, particularly within their restaurant operations, and utilize their influence to educate the tourists they serve.

Throughout the program's duration, we closely monitor the progress of each participating business, offering continuous support and guidance. Upon successful completion of the program, these businesses will be acknowledged and rewarded for their commitment to sustainability and environmental stewardship.

Through the Clean Business Program, our aim is to cultivate a network of businesses dedicated to prioritizing waste management and sustainability, fostering a cleaner and more environmentally friendly community.



SWACHH MOHALLA

The village area of Siya Kempty is organized into distinct clusters, each further divided into Mohallas. The focus of Mohalla activities is to educate and motivate villagers and their children to manage and dispose of their waste responsibly. Through segregation and composting training, residents learn to separate waste into different categories and compost organic materials. Cleanup drives not only enhance the cleanliness of the area but also encourage a sense of pride and responsibility among the villagers.

In this phase, our efforts are concentrated on a selected Mohalla, aiming to transform it into a model Swachh Mohalla. By showcasing the positive impacts of proper waste management, we hope to inspire other Mohallas to adopt similar practices. This targeted approach enables focused efforts and allows for thorough monitoring to ensure desired behaviour changes.

We have successfully engaged with 36 landlords, urging them to take responsibility for their tenants' waste management practices. A survey was conducted to assess current practices, laying the groundwork for future activities with tenants.

Furthermore, we've established a Young Warriors Club, recognizing the crucial role younger generations play in shaping our environment's future. The club conducts door-to-door dustbin checks, educating households on proper source segregation. Active citizen involvement is vital to our awareness initiatives. We recently organized a meeting with them, expressing gratitude for their ongoing support and outlining the assistance Waste Warriors would require transforming this neighbourhood into a model community.

Total Units in the Mohalla	72
Units Giving waste to the vehicle and using DWSUs	45
Units Not giving waste to the vehicle	27



AWARENESS AT KEMPTY

Kemty Fall, the primary tourist attraction in our project location, presents significant challenges in waste management due to its popularity. Key stakeholders in this area include the Pradhan, market association, shopkeepers, and the influx of tourists. To address the complexities of waste disposal in this high-traffic area, a door-to-door waste collection initiative was implemented in the last quarter. This initiative provided a mobile bin for wet waste and separate bags for dry waste.

Despite several interventions, issues such as mixed waste and improper dumping at the waste bank persisted, prompting the development of a comprehensive campaign. The initial step involved conducting awareness sessions with shopkeepers, followed by a door-to-door awareness program and individual discussions on waste management to emphasize the importance of proper waste disposal.

To further reinforce the message of keeping Kemty clean and green, shopkeepers were encouraged to take ownership of Kemty Fall and their shops by contributing monthly user fees to the green workers, showcasing their active involvement in maintaining the area. These efforts resulted in an improvement in waste segregation levels and a noticeable reduction in open dumping at the waste bank.

Looking ahead, these positive developments lay the foundation for continued efforts and collaborations to sustain and enhance waste management practices in this critical tourist spot.

USERFEE COLLECTION



ENGAGEMENT WITH TOURIST



MEETING WITH SHOPKEEPERS AND MARKET ASSOCIATION



ONE DAY EVENTS

CLEAN UP DRIVES

In recent months, we have organized three impactful clean-up drives in collaboration with various local stakeholders, including hotels, tourists, and the proactive "Ladies of the Mohalla." The enthusiastic participation of these dedicated women, who play a significant role in our community, has been crucial to the success of these clean-up initiatives.

The hands-on nature of these activities serves as a potent educational tool, allowing participants to experience firsthand the challenges and complexities involved in cleaning up littered areas. These clean-up drives not only contribute to the physical enhancement of our community but also foster a deeper understanding among participants about the consequences of irresponsible waste disposal.

The consistent and robust involvement of the community, particularly the dynamic Ladies of the Mohalla, underscores a shared dedication to maintaining a clean and healthy environment. This highlights the importance of collective action in addressing local environmental challenges. Together, with over 50 participants, we successfully collected 181 kilograms of dry waste, clearing roads, water streams, and farms.



SOURCE SEGREGATION PROGRAM

After conducting personalized meetings with various schools, our team diligently provided source segregation training to government and non-government entities like the Kempty Police Station and the Himalayan Adventure Institute, both integral parts of the Kempty bulk waste generator. At the Institute, we trained 10 staff members engaged in kitchen, housekeeping, and outdoor activities, introducing them to efficient waste management practices.

Similarly, at the police station, our program engaged 18 officers who learned to segregate waste at home and office, recognizing the importance of waste disposal in maintaining order. We successfully instilled a commitment among both institutions to contribute segregated waste to collection vehicles and encouraged them to spread awareness among tourists about responsible waste disposal along the national highway. End of the session all the Policeman took pledge to give segregated Dry and wet waste to the vehicle and aware tourist to deposit their waste to the dustbin installed along the national highway.

AWARENESS SESSION WITH HIMALAYAN ADVENTURE INSTITUTE

AWARENESS SESSION WITH POLICE STATION KEMPTY



AWARENESS SESSION WITH HIMALAYAN ADVENTURE INSTITUTE



KAPADA DAAN ABHIYAAN IN BUNGLOW KI KANDI VILLAGE

A cloth donation drive, was organized in collaboration with Waste Warriors and Make MyTrip Foundation, took place in the Banglow ki Kandi panchayat. Over 700 kg of fabric were collected from 25 households, aiming to divert textile waste from the community's dry waste collection station. After consulting with Panchayat Pradhan Shri Sunder Singh Rawat ji, who endorsed the initiative, the campaign was launched, garnering significant public participation and attention.

The success of the program underscored the surprising volume of fabric waste present in a village comprising only 50 families. Visitors expressed a desire to contribute more garments given additional time, highlighting the pervasive issue of fast-moving consumable goods ending up discarded or retained after use. The collected clothes were sent to the Goonj organization in Dehradun for repurposing, ensuring they are utilized to create new products instead of being disposed of and also get distributed to the needy. Aiming to divert textile waste from the community's dry waste collection station to proper disposal or recycling system.

The local media covered the event extensively, amplifying its impact through publication in newspapers.



GREEN WORKER TRAINING

Under the guidance of Ritesh Rawat, the District Panchayat Contractor, regular meetings were convened with green workers from the Panchayat, a tradition upheld quarterly and especially before the onset of the tourist season. These gatherings aim to strategize how the Safai Saathis of the District Panchayat, alongside Waste Warriors and the MakeMyTrip Foundation, could collectively enhance the cleanliness and aesthetic appeal of the Kempty area.

Key discussion points included:

- 1.Implementing separate collection of wet and dry waste in vehicles to optimize recycling efforts.
- 2.Installing partitions in waste pickup trucks to facilitate the segregation of wet and dry waste.
- 3.Prohibiting minors from entering waste collection vehicles for safety reasons.
- 4.Storing collected trash in designated storage units instead of burning it after morning cleanup operations.
- 5.Transferring the collection of usage charges for the Kempty Fall area to the Sanitation Committee of Bungalow ki Kandi.
- 6.Enforcing a zero-tolerance policy against alcohol consumption by cleaning personnel during working hours.



TOURIST ENGAGEMENT PROGRAM

In our ongoing endeavours within the Kempty Fall area, we persistently raise awareness among tourists, both local and international, who flock to behold the captivating beauty of the waterfall. Employing innovative methods like EcoDaan, our team aims to foster a community of environmentally conscious individuals dedicated to preserving our planet. The essence of EcoDaan lies in taking small yet impactful pledges to nurture nature at one's own pace. These pledges encompass personal cleanup efforts, responsible waste disposal, adopting eco-friendly products, encouraging others to do the same, spreading awareness about plastic waste crises, sponsoring cleanup drives, and even dedicating special occasions like birthdays to environmental stewardship.

Adding a creative touch, the tourist's engagement canopy includes a different type of waste segregation dustbin, demonstrating the concept of upcycling and awareness-raising for sustainable waste management practices.



GROUND OPERATIONS



Month	Waste In	Waste Out/FG Out
January	3204 kg	307 kg
February	3009 kg	716 kg
March	3315 kg	3155 kg
Total	9528 kg	8347 kg

ON GROUND DEVELOPMENTS

OPERATIONAL NEW WASTE BANK AT KEMPTY FALL AREA

In the Kempty Fall area, we've recently established and operationalized a new Waste Bank, made possible through the allocation of land by the Gram Panchayat Siya. This Waste Bank plays a pivotal role in managing waste in a sustainable manner, facilitating our operational efficiency, and serving as a primary sorting hub.

During peak tourist seasons, Kempty Fall generates approximately 180 kg of dry and wet waste daily, significantly impacting the ecological integrity of the area. Previously, waste was indiscriminately deposited near Rana ji's property along the national highway bypass road, attracting stray animals and causing environmental degradation.

With the Waste Bank now in place, we can effectively manage the area's waste in a sustainable manner, mitigating its adverse effects while also contributing to the value chain of waste management. This accomplishment is the result of relentless efforts by our team, who have diligently liaised with local and district stakeholders to realize this initiative.



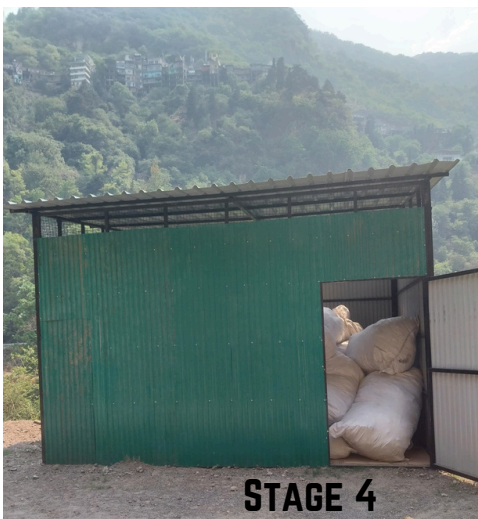
STAGE 1



STAGE 2



STAGE 3



STAGE 4



STAGE 5

ACHIEVEMENTS

- 60% of commercial Establishments onboarded for the door to door collection by Zila Panchayat vehicle.
- 25% residents onboarded in the waste collection systems
- Kempty water fall steps area covered in D2D collection system established by foot.
- Banglo Ki Kandi by laws passed
- Dar spots transformed and beautification work done
- 15 Improved segregation level of the restraurants enrolled in the Clean Business Program.
- Wet waste units made in the fall area is operational.
- Successful completion of Waste bank at the kempty fall area.
- Strengthen D2D collection system in kempty fall area with the support of Gram Panchayat Market association, Zilla Panchayat and Shopkeepers.
- Relationship with local and district stakeholders improved.

CHALLENGES

- Difficult in getting manpower long term and short term
- Dumping of waste near MRF
- No proper land allotment for dumping RDF
- Less control of ZP workers
- High pilferage rate in the location
- Difficute terrain to provide D2D collection
- Zero interest of Siya Panchayat to pass by laws
- Difficult to processing wet waste at Siya Waste bank

TESTIMONIALS



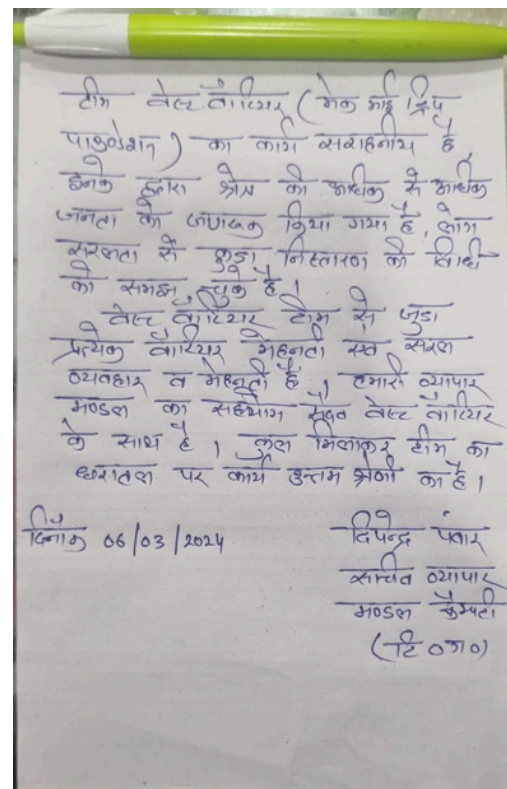
Waste Warriors in the true sense, a hard working team, positively transforming the ever challenging environmental conditions posed by modern living. It's a pleasure to have their association and see the change in the area. We would like to thank MakeMyTrip Foundation and Waste Warriors for continuously doing responsible tourism initiatives to making Kempton fall Zero tourist destination point.

**Mr. Arvind Sharma, Owner
Zostel Plus, Kempton**



The team of Waste Warriors Kempton is doing great work for the betterment of the society with the support of MakeMyTrip foundation. The team has wonderful members who have come here from far off places to give their contribution. They connect with the society and bring them close to the environment, working with them is a great fun and develops the sense of responsibility. Just because of them there is a drastic change in our surroundings from garbage everywhere to cleanliness. I from the depth of my heart, thank them and wish them a bright future.

**Parineeta Negi,
Active citizen kempton**



**Vipendra Panwar, Secretary
Market association Siya,
Kempton**

WAY FORWARD

- 5 Twin Bins to be Installed for tourists to manage Dry & Wet Waste at Kempty Fall Stairs.
- 60% Door-to-door waste collection and awareness raising for businesses and households (Including tenants)
- Infra improvements in the MRF and enhancing the collection efficiency at Kempty steps area.
- Completion of MRF extension and also inauguration of wet waste units at the same location.
- Finalisation of the entrepreneur.
- 6 Community Engagement Activities Large Scale
- Userfees collection to start in the bungalow ki kandi panchayat.
- Swachh Yatra campaign initiate with Taxi association.
- Build better relationships with the Zila Panchayat workers with regular trainings and meetings.
- Complete all preparation for peak tourist season.
- Better alignment with local and district stakeholders.
- Safety fencing behind the Material Recovery Facility at Siya.

* As the proposal is still under discussion way forward will also be updated post the discussion and finalization.

MEET THE TEAM!



Adison Stevenson
Sr. Project Manager



Ankita Kunwar
Project Manager

Operations



Rohit Rangarh
Associate



Mohammad Imran
Sr. Executive



Rohit Rawat
Executive

Outreach



Geeta Dhyani
Associate



Ritika
Executive



Kiran Rawat
Executive



Kareena
Executive

ON GROUND PARTNERS

Zila Panchayat, Tehri Garhwal

Gram Panchayat, Siya

Gram Panchayat, Banglow Ki Kandi



WASTE WARRIORS

REDUCE RE-USE RECYCLE

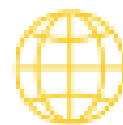
Head Office Address:

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

Thank You. Let's Discuss.



+91-7895267144



www.wastewarriors.org



Info@wastewarriors.org



www.instagram.com/wastewarriors