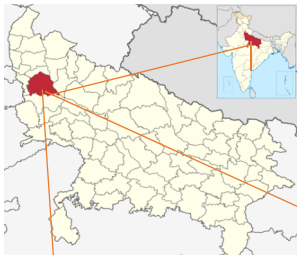




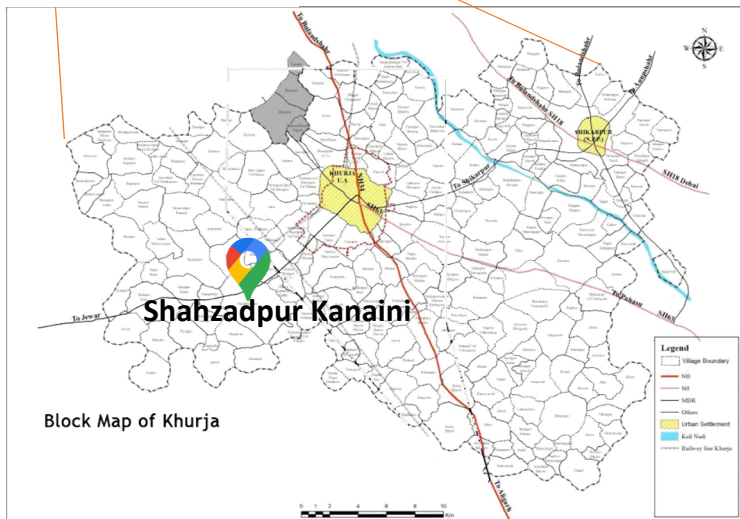
Sanitation Revolution in Shahzadpur Kanaini Gram Panchayat of Bulandshahr District of Uttar Pradesh



ABOUT THE GRAM PANCHAYAT



- Shahzadpur Kanaini Gram Panchayat is situated in Khurja Block of Bulandshahr District of state of Uttar Pradesh
- The GP is ISO 9001: 2015 certified for providing quality services
- Both the RVs are ODF Plus Model Verified



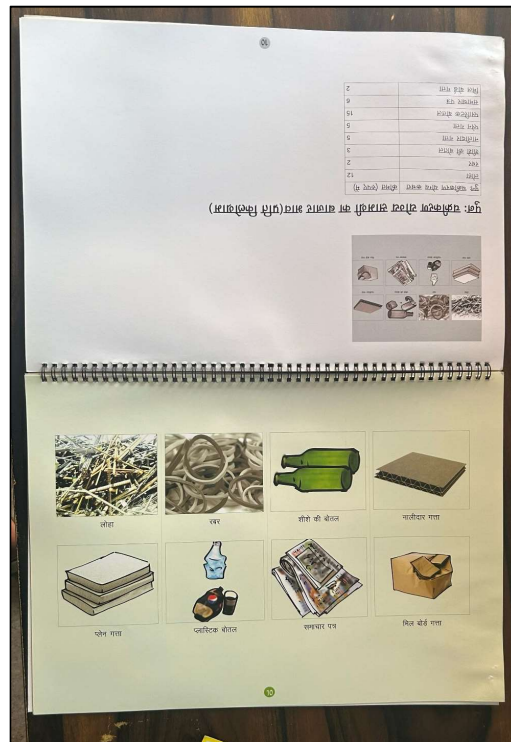
Particulars	Shahzadpur Kanaini RV	Azamabad RV	Shahzadpur Kanaini GP
Total no. of Households	572	129	701
Total Population*	3429	773	4202

* For the year 2021 considering decadal growth rate of 27%

THE FIVE PILLARS AS THE GUIDING PRINCIPLES OF WASTE MANAGEMENT



INFORMATION, EDUCATION, AND COMMUNICATION (IEC): COMMUNICATION MATERIALS



Flipcharts



Leaflets

INFORMATION, EDUCATION, AND COMMUNICATION (IEC): DOOR TO DOOR AWARENESS CAMPAIGN

Face-to-face counselling by frontline workers and community-level motivators using flipcharts, leaflets etc.



INFORMATION, EDUCATION, AND COMMUNICATION (IEC): DISTRIBUTION OF SEGREGATION BINS TO PROMOTE SOURCE SEGREGATION

The GP has distributed segregation bins to encourage source segregation in the households.



INFORMATION, EDUCATION, AND COMMUNICATION (IEC): WARD LEVEL MEETINGS

Ward Level Meetings are conducted on weekly basis to encourage public participation in the decision making process for SLWM activities in the GP



INFORMATION, EDUCATION, AND COMMUNICATION (IEC): YOUTH CLUB

A youth club has been formed for the children of the GP through which they learn to keep their surrounding clean and hygienic and spreading awareness about cleanliness.



INFORMATION, EDUCATION, AND COMMUNICATION (IEC): PRABHAT FERI

The GP organizes Prabhat Feri in collaboration of village schools to showcase the unity and younger generation's commitment to fostering awareness and positive change within the community.



CAPACITY BUILDING:

EXPOSURE VISIT OF PRD OFFICIALS, ELECTED REPRESENTATIVES AND STAFF OF SELECTED ODF PLUS MODEL VILLAGES

- In the SLWM Training and Demonstration Centre, a total of 19422 participants from the selected ODF Plus Model villages, Ganga villages, selected villages under Swachh Survekshan Grameen - 2023 and Climate Smart Villages from the state of Uttar Pradesh have received training for the implementation of ODF Plus.
- Chief Development Officers (IAS Officers) of 58 districts, 16 Divisional Deputy Directors and 69 District Panchayati Raj Officers have received training in the training centre.



CAPACITY BUILDING: TRAINING OF STUDENTS, TEACHERS AND ANGANWADI WORKERS ON ODF PLUS AND HYGIENE PROMOTION



SOLID WASTE MANAGEMENT: INTEGRATED SOLID WASTE MANAGEMENT CENTER

- The GP has found smart ways for collection, segregation and processing of solid waste at its Integrated Solid Waste Management Centre which began its operation in April 2022.
- Till date, approx. 7 tonnes of dry waste have been collected and sold to the Kabadiwala linked to the ISWMC of the GP.
- The GP has generated revenue of Rs. 40,000 from the sale of recyclables.



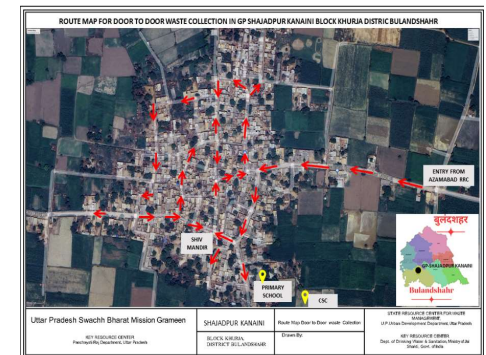
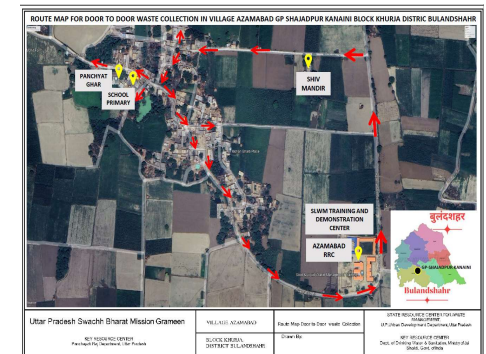
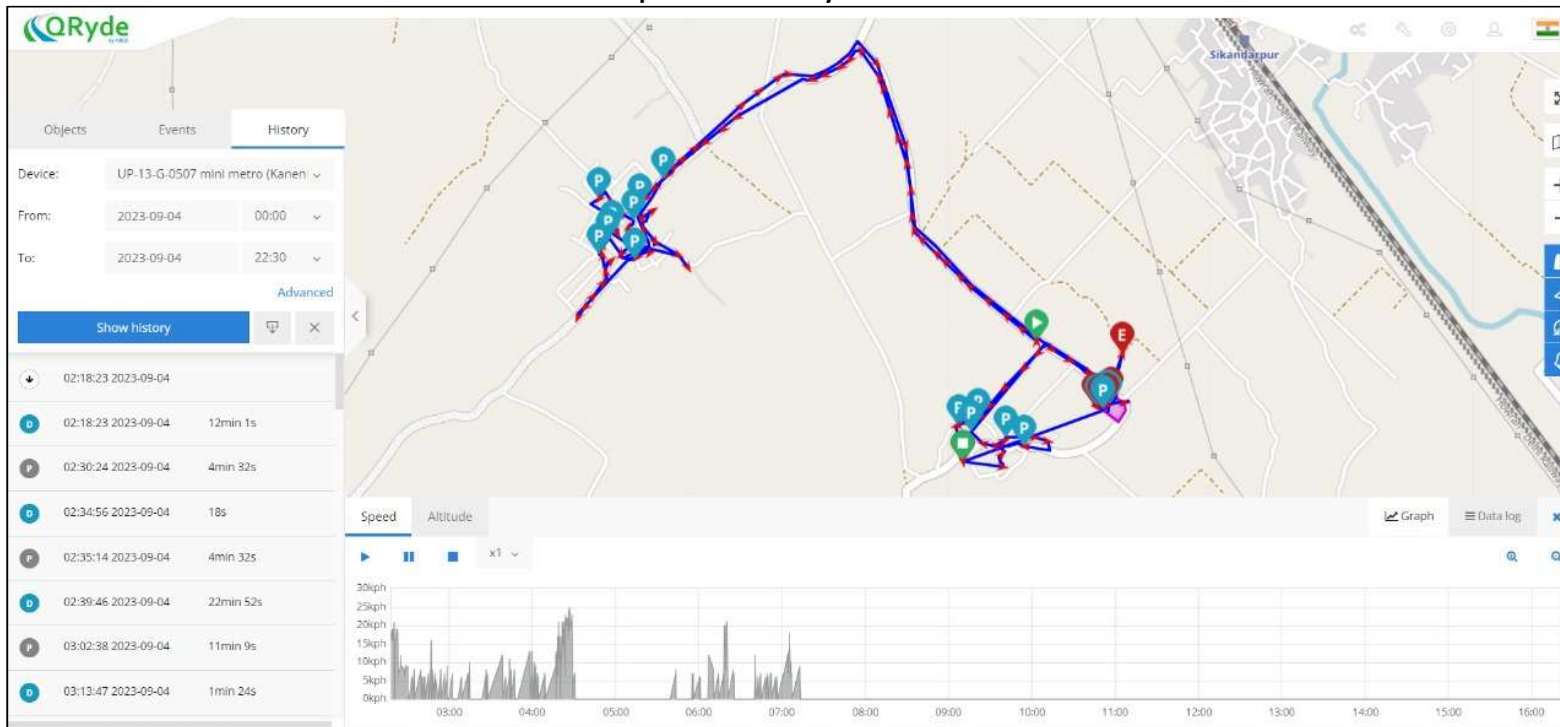
SOLID WASTE MANAGEMENT: DOOR TO COLLECTION OF SOLID WASTE

- Door-to-Door collection of waste is done from 701 families of Gram Panchayat and is processed at the Integrated Solid Waste Management Center in Azamabad village.



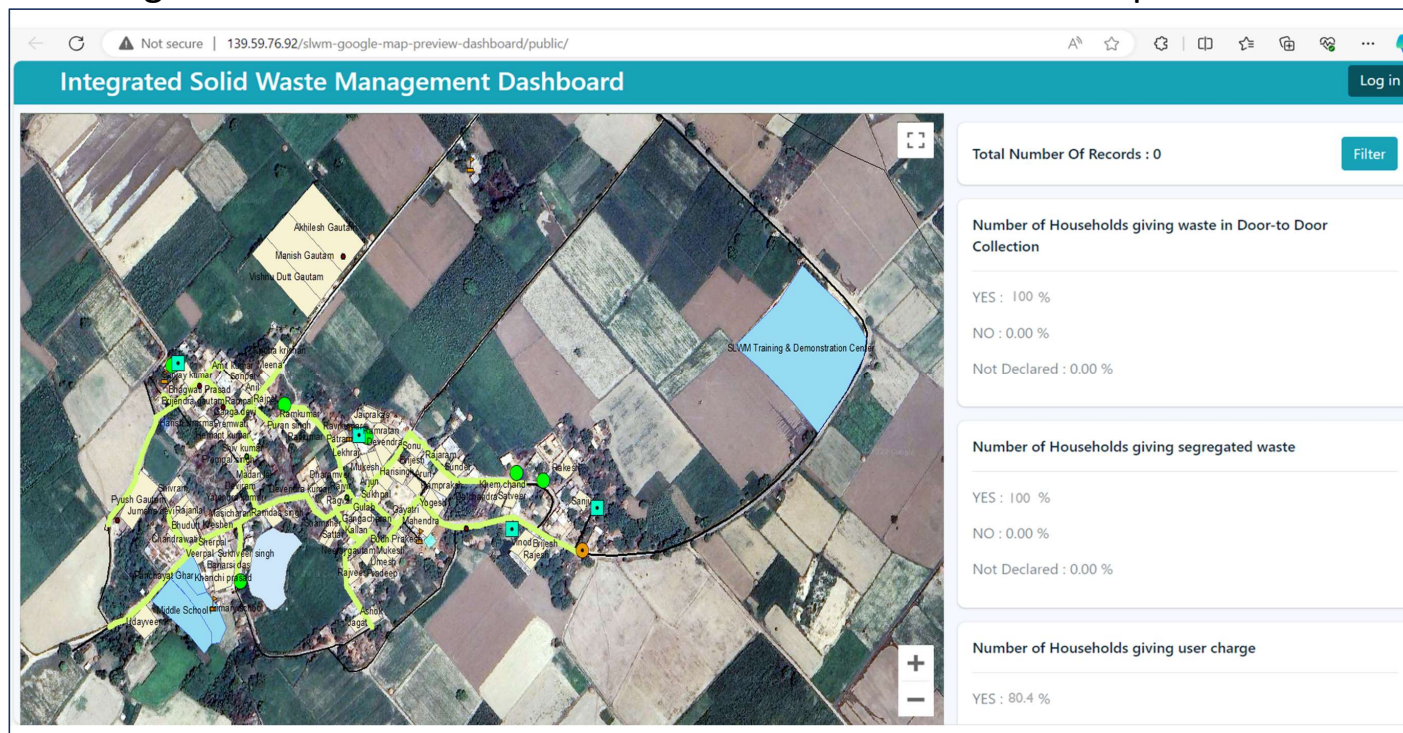
SOLID WASTE MANAGEMENT: GPS BASED TRACKING SYSTEM FOR WASTE COLLECTION VEHICLES

- A key highlight of this system is the monitoring based on GPS tracking system, which provides daily coverage of Door-to-Door Collection service provided by the GP.



SOLID WASTE MANAGEMENT: INTEGRATED WASTE MANGEMENT DASHBOARD

- The quantity of solid waste collected is recorded in Integrated Solid Waste Management System, through which the daily trends of waste generated and collected are monitored so that further steps can be taken.



VERMI-COMPOSTING SHED: LIVELIHOOD GENERATION

- There are separate sheds comprising of 42 vermicompost pits with a total consumption capacity of 27 tonnes.
- The ISWMC has provided employment opportunities for the villagers, more than 80 per cent of the employees at the Centre are from the Gram Panchayat Shahjadpur Kanaini itself.
- Operation and maintenance of vermi-composting pits is carried out by a group of women of a Self-Help group who earn Rs 6000-Rs.8000 per month from the sale of vermicompost.



VERMI-COMPOSTING SHED :

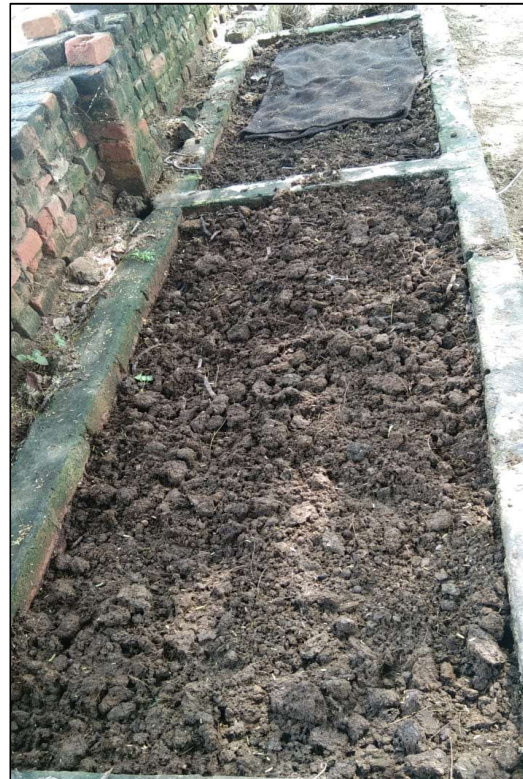
ECO-FRIENDLY TECHNOLOGY PROMOTING ORGANIC FARMING

- Vermi-composting being an eco-friendly and zero-waste technology for waste management, consumes less energy and releases 40% lesser greenhouse gases as compared to other composting technologies.
- Till date 119 tonnes of Gobar has been processed and 47 tonnes of vermi-compost has been produced. Fifty-five farmers are regularly giving their gobar to this centre.
- Farmers from nearby villages bring Gobar on their own to the ISWMC in return of which they get vermi-compost in the ratio of 100:10 i.e., 10 kg of vermi-compost for 100 kg of gobar.
- As a result of which farmers are adopting organic farming.



SOLID WASTE MANAGEMENT: HOUSEHOLD LEVEL VERMI-COMPOSTING

- Eight households of the GP are practicing household level vermi-composting.



GREYWATER MANAGEMENT : TREATMENT THROUGH SOAK-PITS

- The GP has made proper arrangements for grey water management.
- The water stagnation on the roads has been rectified by construction of a series of soak pits



GREYWATER MANAGEMENT: TREATMENT THROUGH SILT CATCHER AND FILTER CHAMBER

- Silt Catcher and Filter Chambers have also been constructed to bring the BOD and COD levels of the waste water flowing in the drains within the acceptable limits as per the Indian standards.



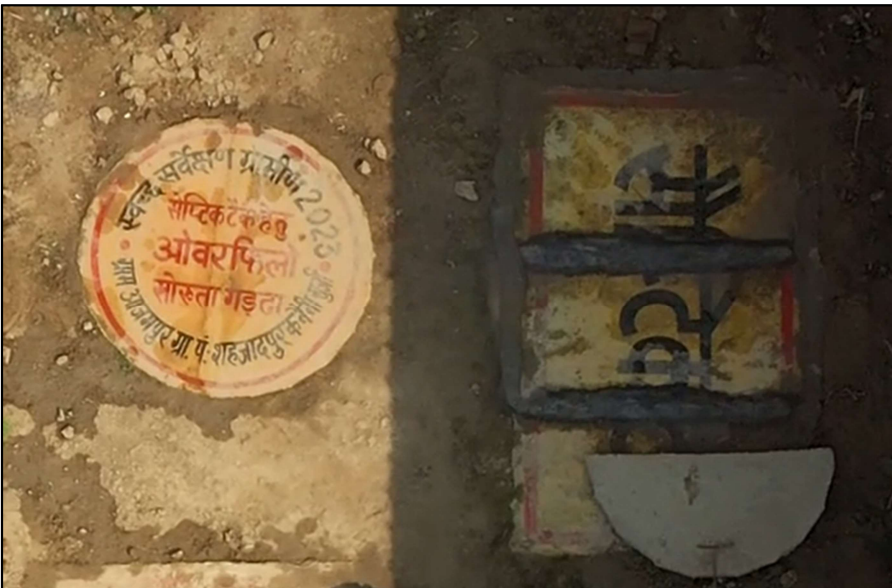
GREYWATER MANAGEMENT : TREATMENT THROUGH RECHARGE PIT

- The GP has done an innovation for disposal of wastewater of 20 households in a recharge pit after treatment from a series of silt catcher and filter chamber.



BLACKWATER MANAGEMENT: SEPTIC TANK OVERFLOW SOAK PITS

- Overflow soak pits have also been constructed under retrofitting of IHHLs for the safe disposal of septic tank overflow.



INNOVATIVE BEST PRACTICE CO-TREATMENT OF SEPTAGE, KITCHEN WASTE AND COWDUNG

- The biogas plant set up at the ISWMC produces cooking fuel for 2 hours each in the morning and evening by co-treating dung, kitchen waste and septage.





THANK YOU