

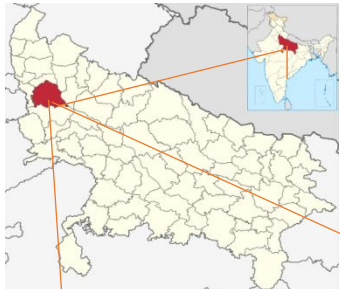


PRESENTATION BY: SHRI KULDEEP MEENA (IAS), CHIEF DEVELOPMENT OFFICER, BULANDSHAHR

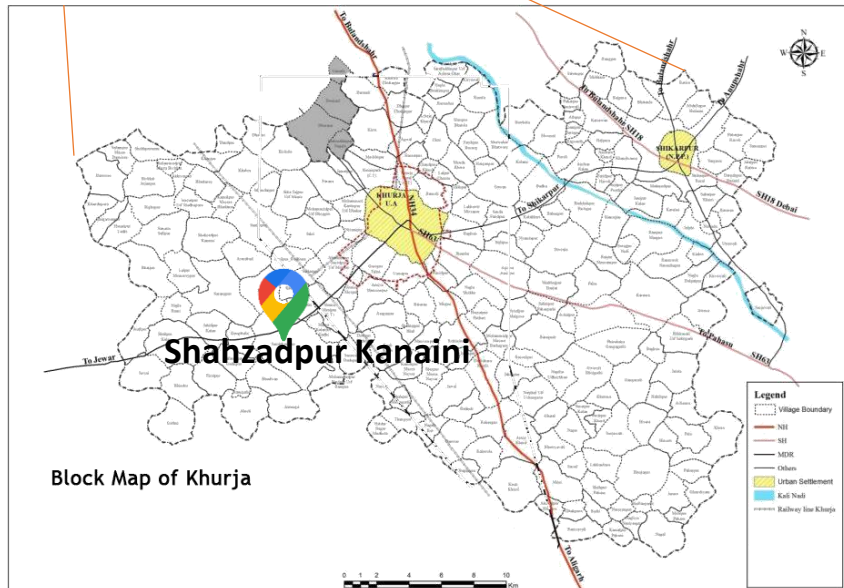
Sanitation Revolution in Shahzadpur Kanaini Gram Panchayat of Bulandshahr District of Uttar Pradesh



ABOUT THE GRAM PANCHAYAT



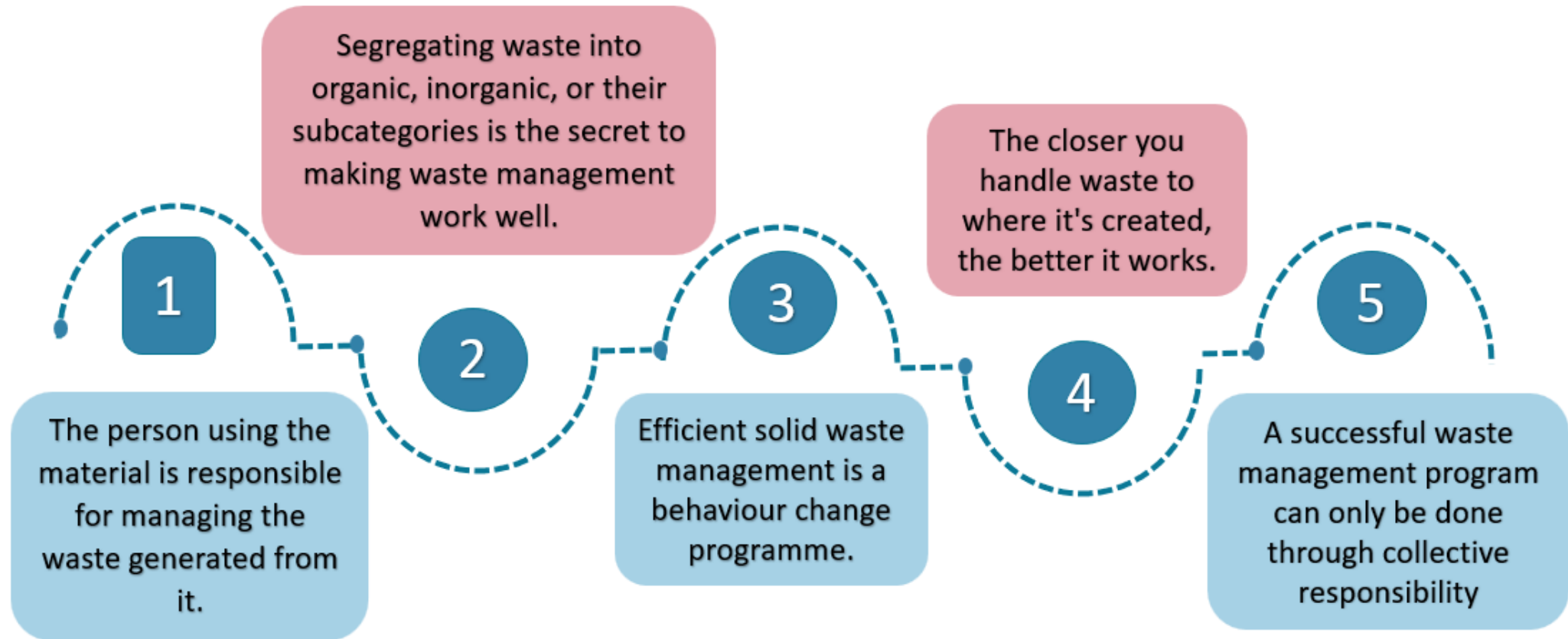
- Shahzadpur Kanaini Gram Panchayat is situated in Khurja Block of Bulandshahr District of state of Uttar Pradesh
- The GP is ISO 9001: 2015 certified for providing quality services
- Both the RVs are ODF Plus Model Verified



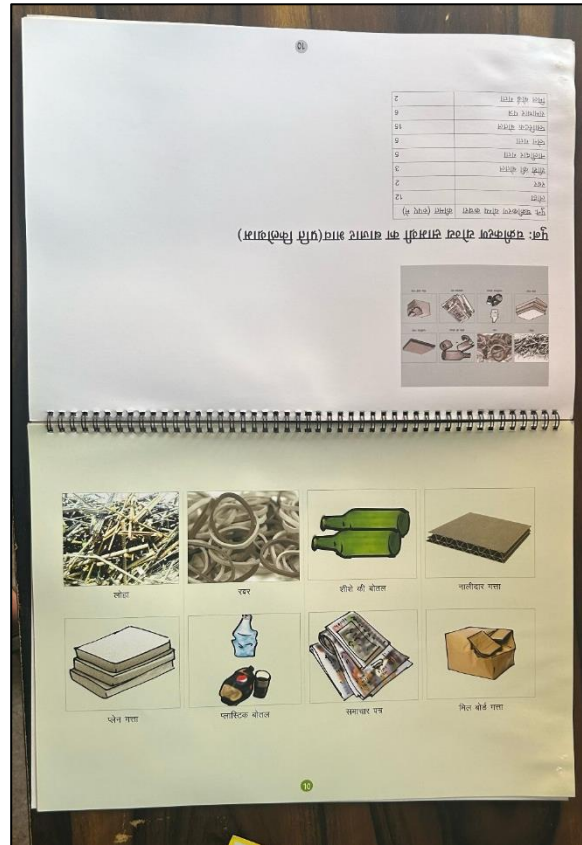
Particulars	Shahzadpur Kanaini RV	Azamabad RV	Shahzadpur Kanaini GP
Total no. of Households	572	129	701
Total Population*	3429	773	4202

* 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



Flipbook



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.



Information, Education, and Communication (IEC): Messaging on PASSENGER WAITING ROOM



Before

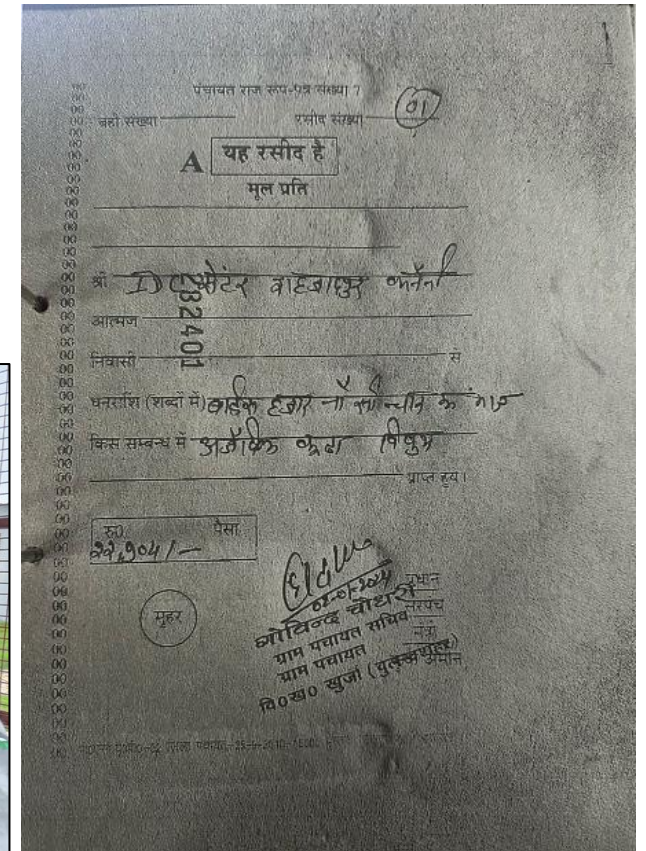
After

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.



Sample Receipt (**Roop Patra 7**) for depositing revenue generated to Own Source Revenue Account of the GP

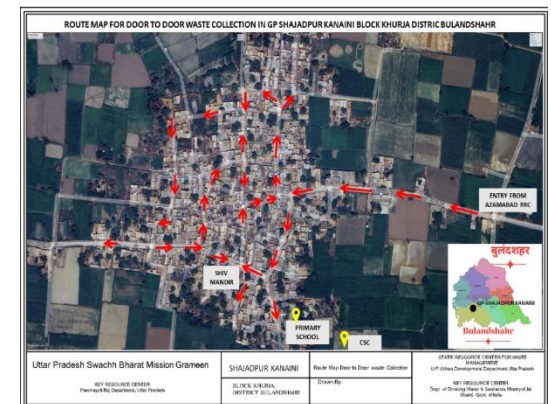
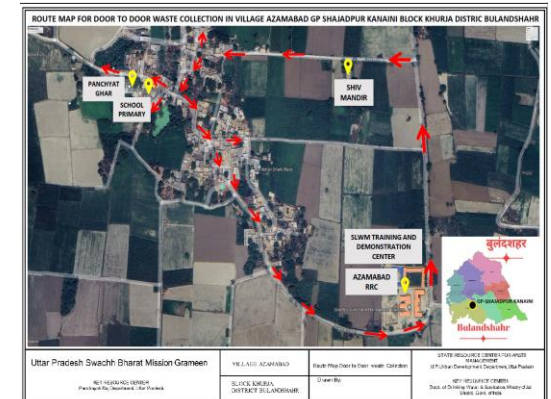
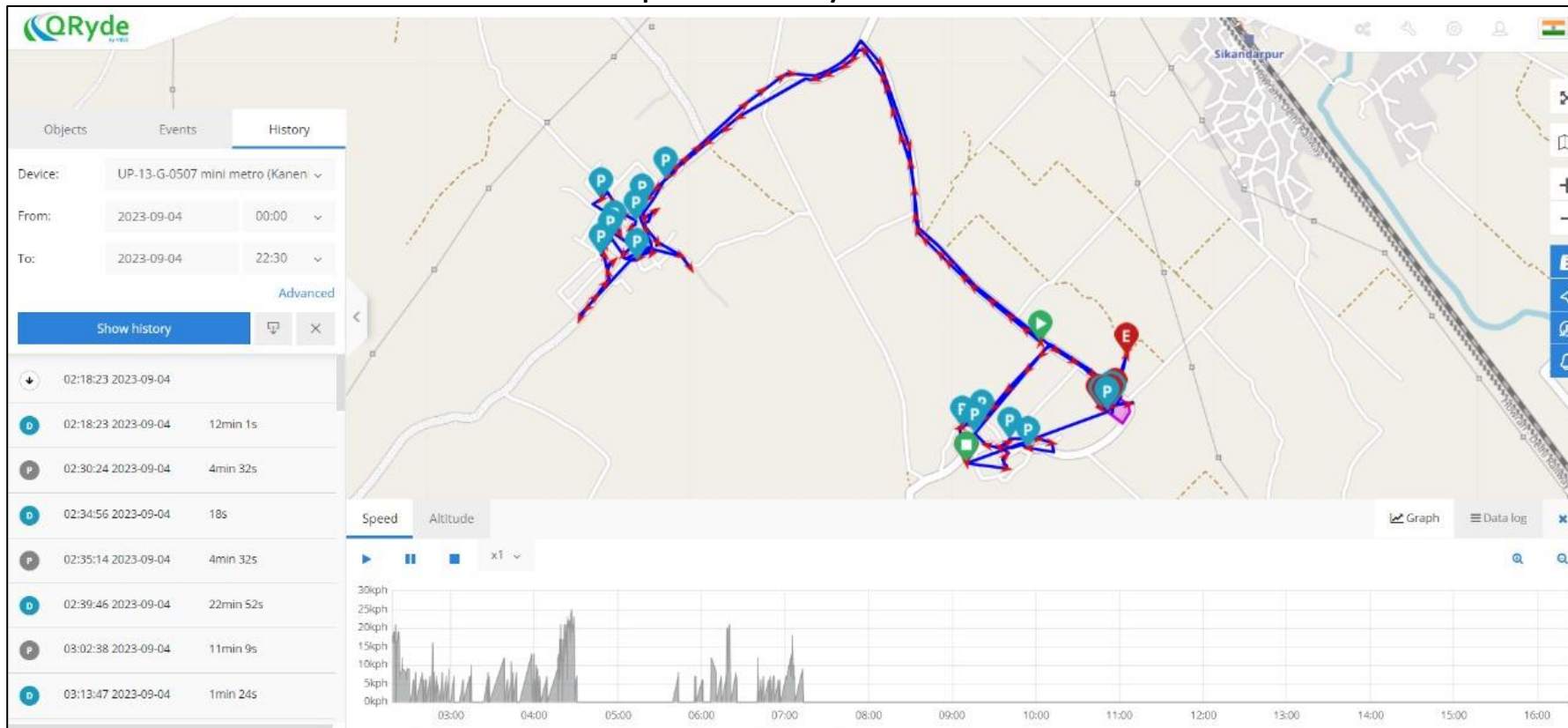
SOLID WASTE MANAGEMENT: DOOR TO COLLECTION OF SOLID WASTE

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.



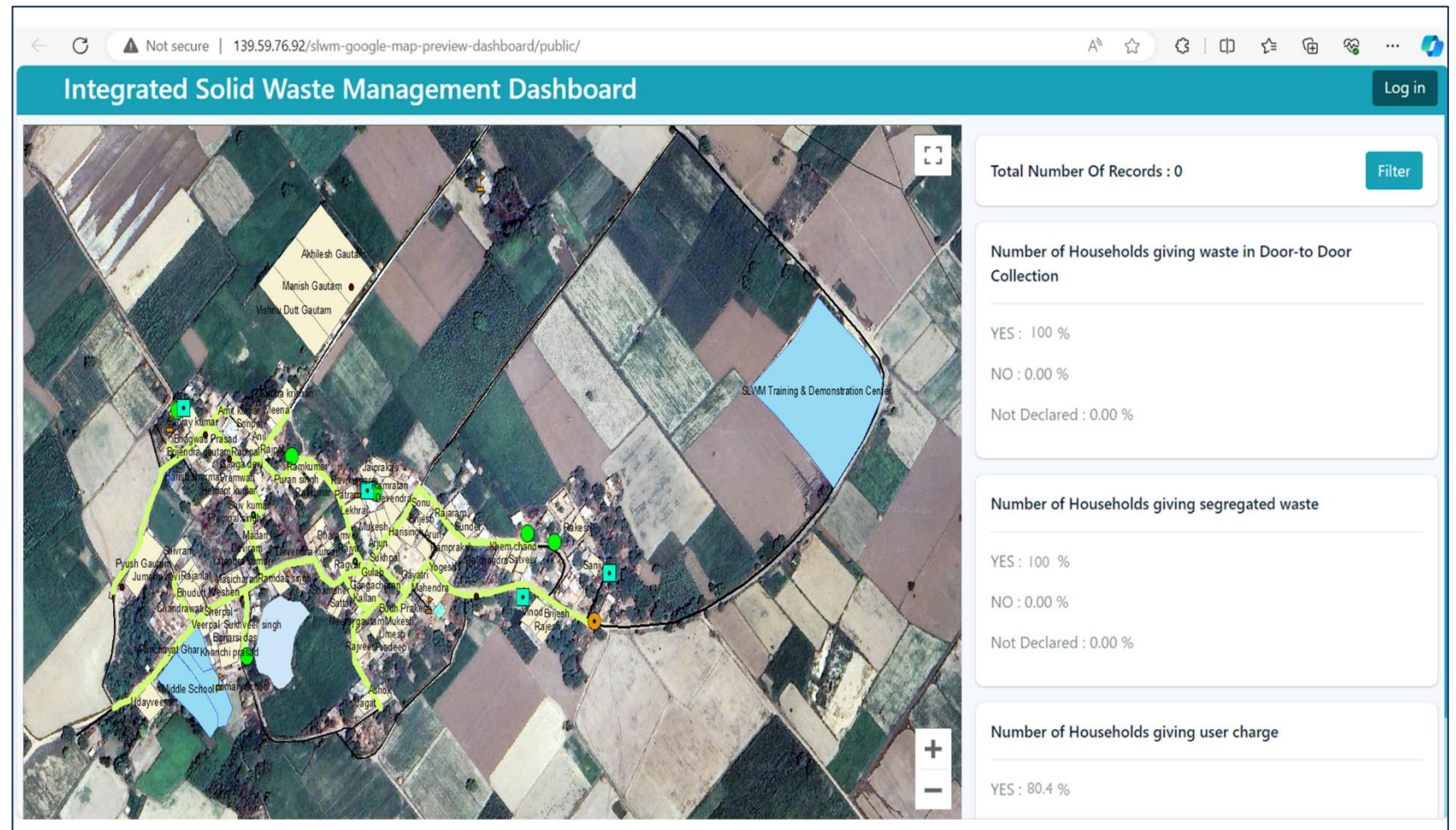
SOLID WASTE MANAGEMENT: GPS BASED TRACKING SYSTEM FOR WASTE COLLECTION VEHICLES

- 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.



SOLID WASTE MANAGEMENT: PROGRESSING TOWARDS ACHIEVING FINANCIAL SUSTAINABILITY

- “One day One Rupee” campaign has also been launched by the panchayat for user charge collection for door-to-door collection service.
- GP has started collecting user charge for door-door to collection service from last one year and Rs. 1,66,000 have been deposited in the OSR account.

स्वच्छता है मेरा
ग्राम पंचायत शहजादपुर कनैनी
विकास खण्ड-खुर्जा (बुलन्दशहर)
स्वच्छ भारत मिशन ग्रामीण फेज-II
उपयोगकर्ता/सेवा शुल्क
दिनांक 01/01/23

क्रमांक : 421
नाम: श्री देव केशव सिंह
पिता: श्री देव केशव सिंह
पता: शहजादपुर कनैनी
घनराशि (शब्दों में) तीस सौ मात्र
रु० 30

मेरा कूड़ा-मेरी जिम्मेदारी
गीले और सूखे कूड़े को अलग-अलग रख कर
नामित व्यक्ति को अलग-अलग ही दें।

Sample User Charge Collection Receipt



QR Code of OSR Account

दिनांक	उपस्थिति/हस्ताक्षर	दिनांक	उपस्थिति/हस्ताक्षर	दिनांक	उपस्थिति/हस्ताक्षर
1	P	12	P	23	P
2	P	13	P	24	P
3	P	14	P	25	P
4	P	15	P	26	P
5	P	16	P	27	P
6	P	17	P	28	P
7	P	18	P	29	P
8	P	19	P	30	P
9	P	20	P	31	—
10	P	21	P	कुल	—
11	P	22	P		—

कुल रु० 166000

Sample D2D Collection record keeping at Household level

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 Shahzadpur Kanaini itself.
- Operation and maintenance of vermicomposting 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.



BIO-HAZARDOUS WASTE MANAGEMENT

Incinerators have been installed at ISWMC and Community Sanitary Complex for safe disposal of Bio-hazardous waste (Sanitary Napkins, Diapers etc.).



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.



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.





SCALING UP STATE WIDE BEST PRACTICES

SLWM TRAINING AND DEMONSTRATION CENTER



OBJECTIVE OF THE TRAINING CENTRE

- SLWM Training and Demonstration Center is the country's first training center for capacity building, training and innovation using demonstration technique and was established by Panchayati Raj Department, Uttar Pradesh.
- The center was inaugurated by Hon'ble Shri Bhupendra Chaudhary Ji, Minister of Panchayati Raj, Government of U.P. in the presence of Additional Chief Secretary and Director, Panchayati Raj Department, U.P. on 18 April 2022.
- Technical Handholding and Operation of the Centre is done by IDC which is a Key Resource Center for Panchayati Raj Department, Uttar Pradesh.



FACILITIES AVAILABLE AT THE CENTRE: DEMO SITE

- In this training center, 12 technical options of solid, liquid waste and faecal sludge management have been displayed as models. These models are playing an important role in helping the trainees understand the working of different waste management techniques and gain practical knowledge of it.
- IDC has innovated by designing modified magic pits that have greater greywater adsorption capacity than traditional soak pits.



FACILITIES AVAILABLE AT THE CENTRE: SOAK PIT MODELS FOR GREYWATER



Household Soak Pit
1 m (depth) x 1 m (diameter)



Community Soak Pit
1 m (depth) x 2.5 m (diameter)

FACILITIES AVAILABLE AT THE CENTRE: MAGIC PIT AND MODIFIED MAGIC PIT MODELS FOR GREYWATER



Magic Pit
1 m (depth) x 1 m (diameter)



Modified Magic Pit
1 m (depth) x 1 m (diameter)

FACILITIES AVAILABLE AT THE CENTRE: TWIN LEACH PIT FOR INDIVIDUAL HOUSEHOLD LATRINE (IHHL)



FACILITIES AVAILABLE AT THE CENTRE:
PIT COVER FOR TWIN LEACH PIT SYSTEM



FACILITIES AVAILABLE AT THE CENTRE: VERMICOMPOSTING



Community Level



Circular Vermi-Composting

FACILITIES AVAILABLE AT THE CENTRE: WINDROW COMPOSTING



FACILITIES AVAILABLE AT THE CENTRE: COMMUNITY LEVEL NADEP PIT



FACILITIES AVAILABLE AT THE CENTRE: COMMUNITY COMPOSTER



FACILITIES AVAILABLE AT THE CENTRE: MATKA COMPOSTING



FACILITIES AVAILABLE AT THE CENTRE:

PREFABRICATED BIO GAS PLANT: CO-TREATMENT OF COW DUNG, KITCHEN WASTE AND SEPTAGE



FACILITIES AVAILABLE AT THE CENTRE: PLASTIC SHREDDING MACHINE



FACILITIES AVAILABLE AT THE CENTRE: TRENCHING FOR SEPTAGE DISPOSAL



FACILITIES AVAILABLE AT THE CENTRE: TRAINING HALL

- The center has two training halls with a capacity of 60 participants each.



FACILITIES AVAILABLE AT THE CENTRE: DORMITORIES AND DOUBLE OCCUPANCY ROOMS

- The centre has two dormitories with capacity of 25 persons each and four double occupancy rooms.



FACILITIES AVAILABLE AT THE CENTRE: MESS

- The centre also has a mess for fresh food and refreshments for the participants, which can accommodate 35 participants at a time.





ROLE OF THE TRAINING CENTRE



Capacity Building: Exposure Visit and Training of Gram Pradhan, Gram Panchayat Sachiv, Panchayat Assistant and Safai Karmi for accelerated ODF Plus under SBM (Grameen) 2.0.

In the training centre, a total of 19911 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.

Exposure Visit	Number of total participants
Phase 1 (04.05.2022 to 18.06.22)	1709
Phase 2-(11.07.2022 to 08.08.22)	1737
Phase 3 (12.09.2022 to 17.02.22)	7217
Ganga villages (30.01.2023 to 28.07.2023)-	2323
SSG 2023 (13.03.2023 to 20.07.2023)	2525
GPVA (13.09.2023 to 13.02.24) (Ongoing)	4400
Total	19911

Capacity Building : Division and District leadership workshop and exposure visit for accelerated implementation of ODF plus under SBM (Grameen) 2.0.

Chief Development Officers of 58 districts, 16 Divisional Deputy Directors and 69 District Panchayati Raj Officers have received training for the accelerated implementation of ODF Plus in the training centre.



Capacity Building : Division and District leadership workshop and exposure visit for accelerated implementation of ODF plus under SBM (Grameen) 2.0

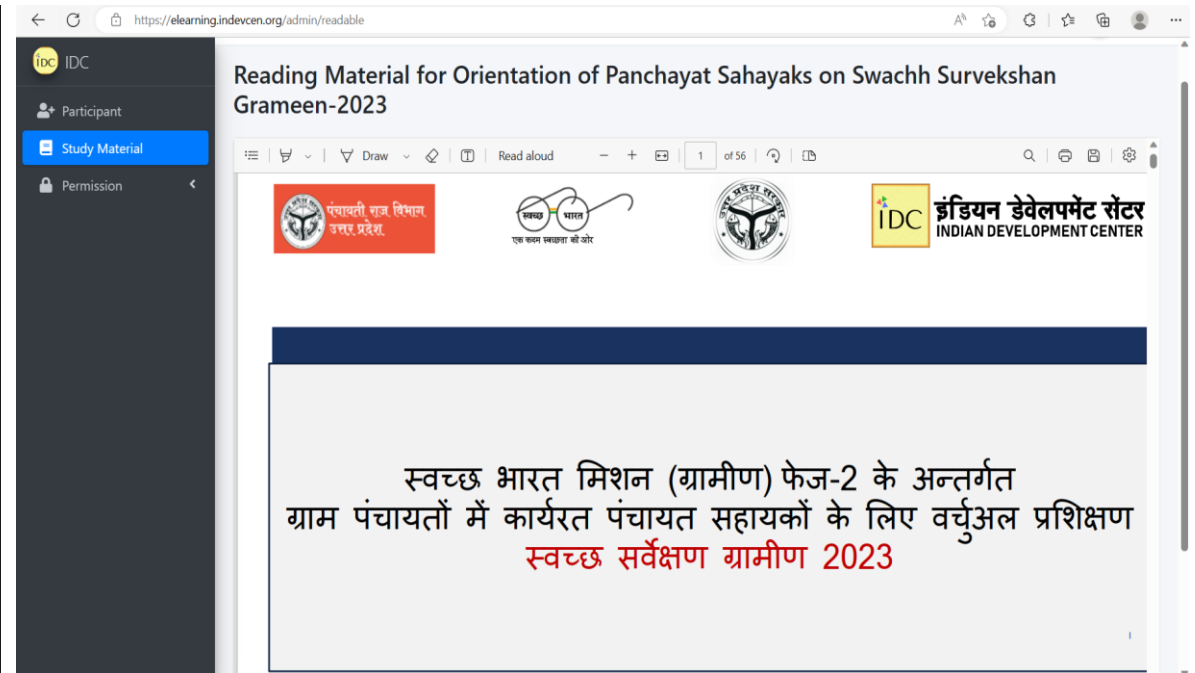
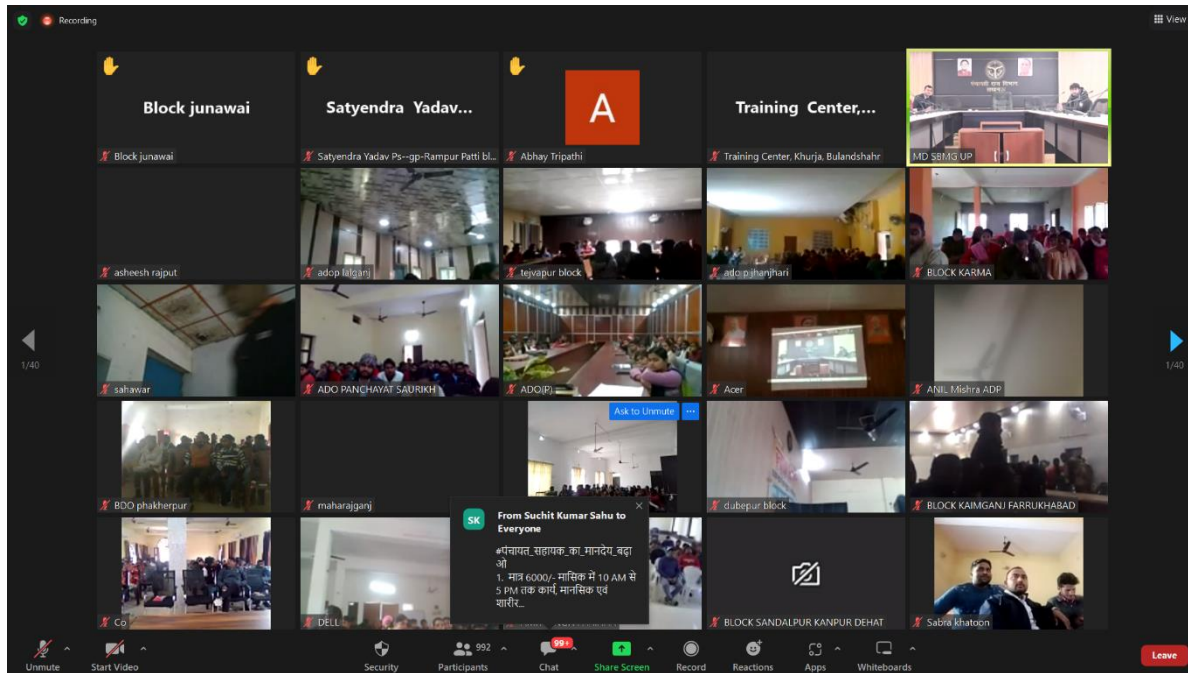


Capacity building : Visit by Hon'ble Minister of Finance, Parliamentary Affairs and Health, Government of Uttar Pradesh



Capacity building : Virtual training of Panchayat Assistants under SBM (Grameen) 2.0

- The training centre has conducted an virtual orientation of all the Panchayat Assistants of the state under Swachh Bharat Mission Phase 2 and has also issued certificates through e-learning platform.



Capacity building : One day training of selected Master Trainers for preparing Village Sanitation Plan under SBM (Grameen) 2.0

- In the training centre, 109 master trainers have been trained for training of Village level stakeholders in the financial year 2023-24.



Capacity Building: Exposure visit and training of District level stakeholders for accelerated implementation of ODF plus under SBM (Grameen) 2.0 [PHASE 1 (04.05.2022 TO 18.06.22) AND PHASE 2-(11.07.2022 TO 08.08.22)]



Total Trained Participants:
Phase I- 1709
Phase II- 1737

Capacity building : Exposure visit and training for Gram Pradhan, Gram Panchayat Sachiv, Panchayat Assistant and Safai Karmi for accelerated implementation of ODF Plus under SBM (Grameen) 2.0.[PHASE 3 (12.09.2022 TO 17.02.22)]



Total Trained Participants :
Phase III- 7217

Capacity Building : Exposure visit and training for Gram Pradhan, Gram Panchayat Sachiv, Panchayat Assistant and Safai Karmi of selected Ganga Villages for accelerated implementation of ODF Plus under SBM (Grameen) 2.0.
[PHASE 4 (30.01.2023 TO 28.07.2023)]



Total Trained Participants
Phase IV- 2323

Capacity Building : Exposure Visit and Training for orientation of Gram Pradhan, Gram Panchayat Sachiv, Panchayat Assistant and Safai Karmi of on Swachh Survekshan Grameen 2023 under SBM (Grameen) 2.0 [PHASE 5 (13.03.2023 TO 20.07.2023)]



**Total Trained Participants :
Phase V- 2525**

Capacity Building : Exposure visit and training of Gram Panchayat Sachivs for accelerated implementation of ODF plus under SBM (Grameen) 2.0 [PHASE 6 ((13.09.2023 TO 08.02.24) (ONGOING)]



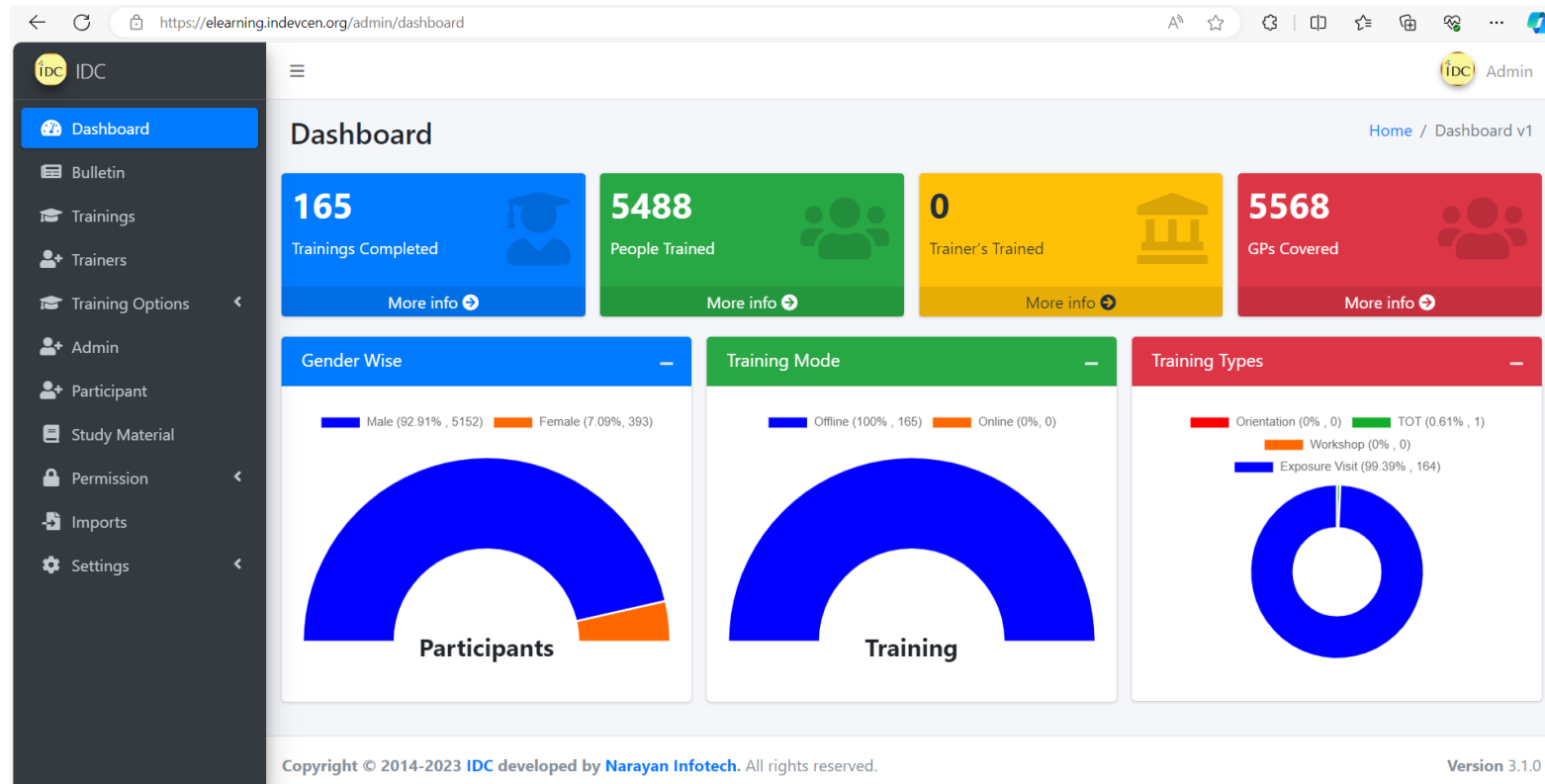
Total Trained Participants :
Phase VI- 4400 (till date)

Capacity Building : Exposure visit and training of elected officials and PR&RD department of Uttarakhand for SLWM in rural areas of hilly state of Uttarakhand



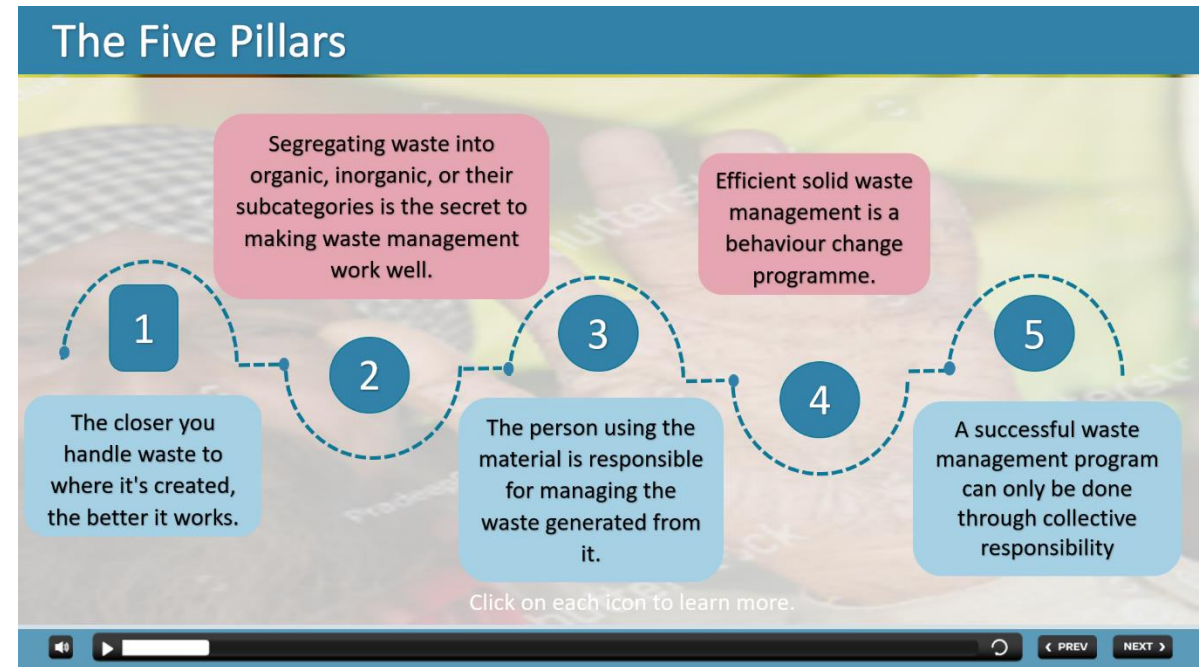
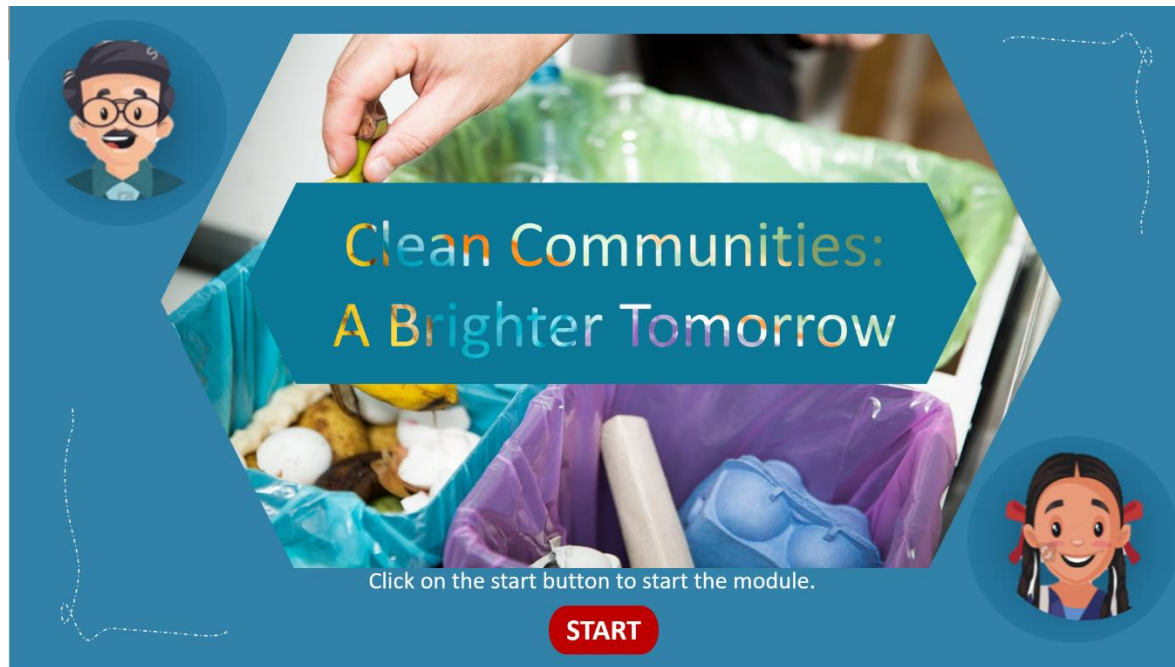
Capacity Building : IDC Training Portal

- The training centre has developed a training portal for record keeping, monitoring, follow-up activities for Exposure Visits and Trainings which are conducted at the centre.



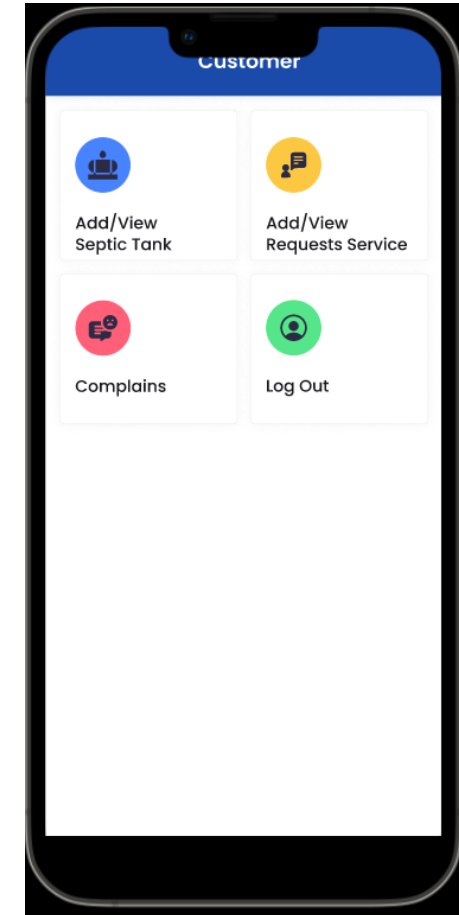
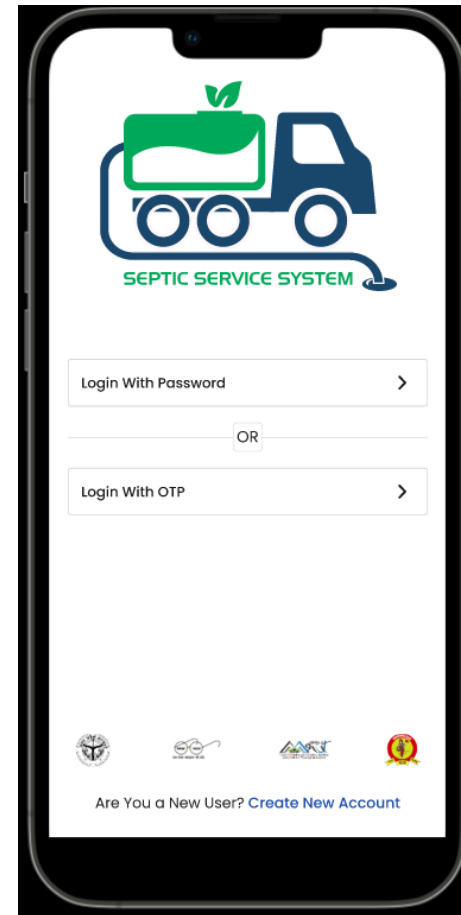
Capacity Building : **SWM e-module**

- The training centre has developed an interactive e-module for imparting knowledge about Solid Waste Management for grass root level stakeholders



Septic Tank Cleaning Marketplace

- IDC has developed an integrated portal to regulate Vacuum Truck Operators (VTOs) by creating a government registration and licensing process.
- The app also provides ability for VTOs to geo tag service location; take pictures of cleaned tank and disposal location for compliance reason for license maintenance
- The app also provides dashboard reporting for Govt, officials on number of service requests by area, performance of VTOs, number of complains etc.



PERFORMANCE OF BULANDSHAHR DISTRICT UNDER SBM(G)

ODF Plus Aspiring	ODF Plus Rising	ODF Plus Model	Total Villages
445 (38%)	382 (33%)	329 (28%)	1156

- Bulandhshahr has highest number of ODF Plus Model Verified Villages in the state.
- Door to Door Collection of Solid Waste is happening in 100 Villages of the district and are also collecting user charge @ Rs. 30/month.
- 75 Villages are ISO 9001:2015 certified.





THANK YOU