

Theme: Basic Infrastructure

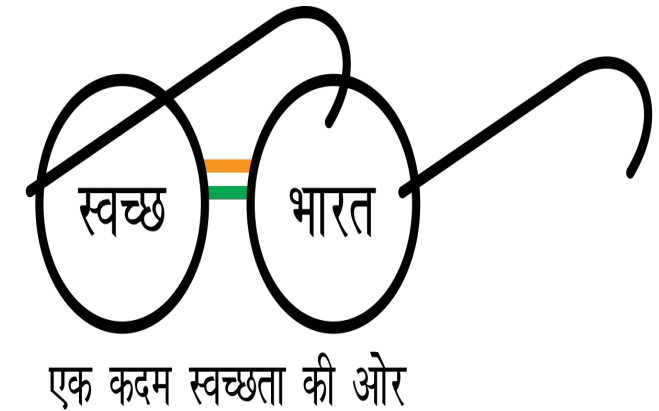
Problem Statement : Making our Villages Open Defecation Free(ODF)plus

State : Bihar

District : Munger

Block: Dharhara

NFS CASE STUDY
ASPIRATIONAL BLOCK: DHARHARA,
DIST.: MUNGER,
STATE: BIHAR



THEME: BASIC INFRASTRUCTURE
SECTOR: SANITATION

BY : DM, MUNGER



MAKING OUR VILLAGES OPEN
DEFECATION FREE(ODF)PLUS



एक कदम स्वच्छता की ओर

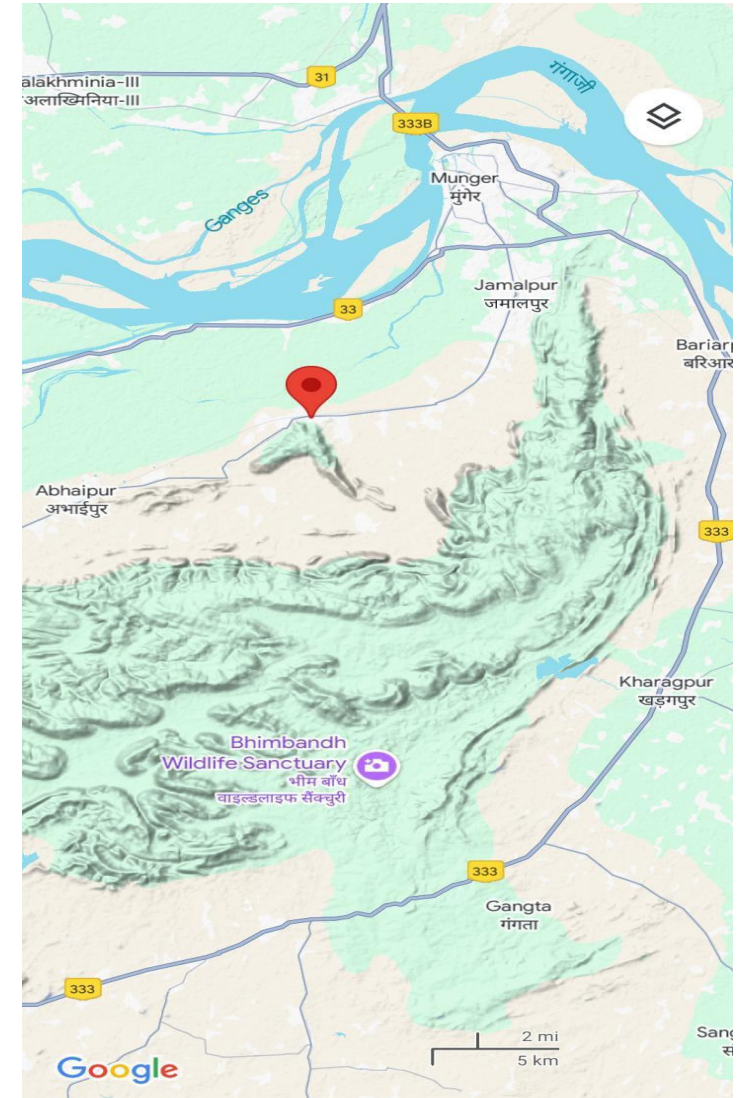


Introduction to Munger District

Historically, Munger (formerly known as Monghyr) is known for being an ancient seat of rulers, which has played significant role in the history of India. It is situated on the southern banks of majestic Ganga and boasts of many historical Ghats and places in its area. The historic importance and beauty of “*Kastaharni Ghat*” is enhanced by the northerly flow of the river at this point, which is known as “*Uttarvahini Ganga*”. It flows almost 60 km in length from West to East in Munger district from BahaChowki (near Lakhisarai district in West) to Ghorghat bridge (Near Bhagalpur District in East). Total 40 Villages under 22 Gram Panchayat in 4 Blocks, i.e. Sadar, Jamalpur, Bariyarpur and **Dharhara** are situated along the river Ganga.

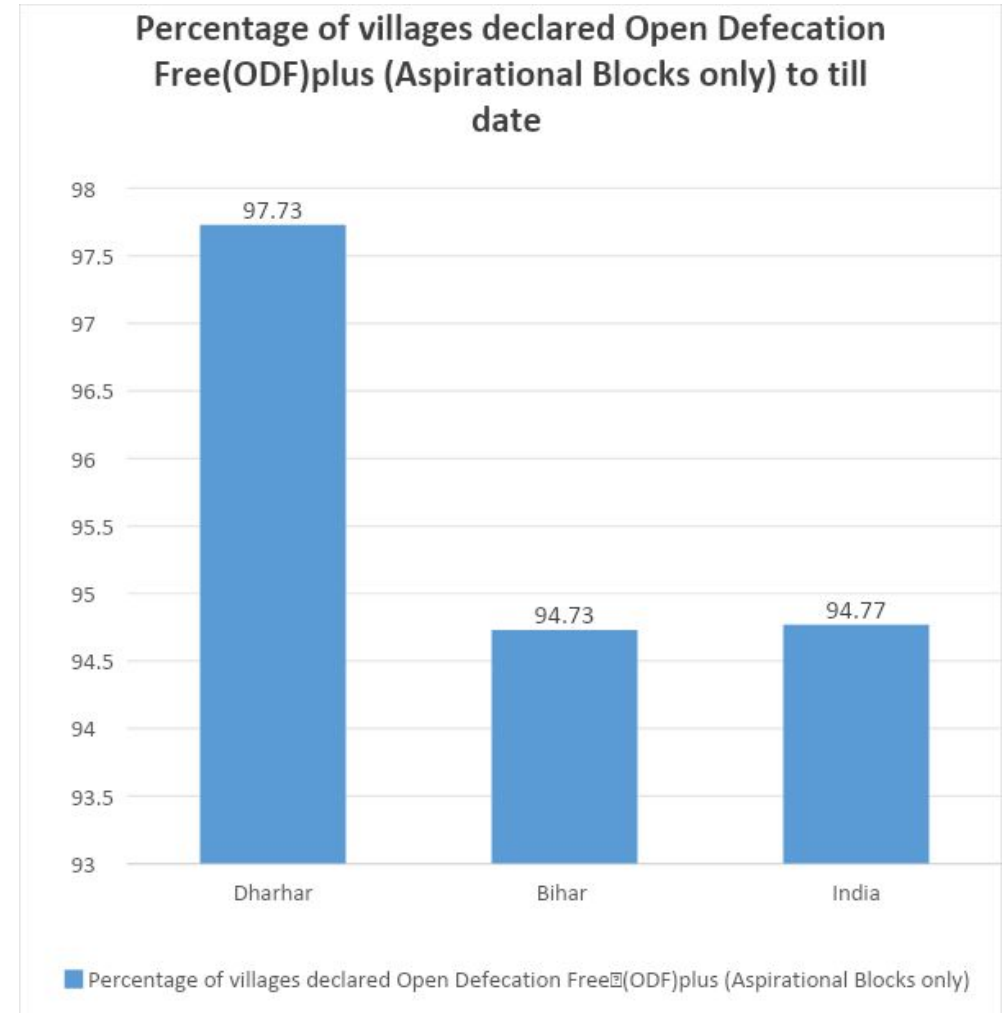
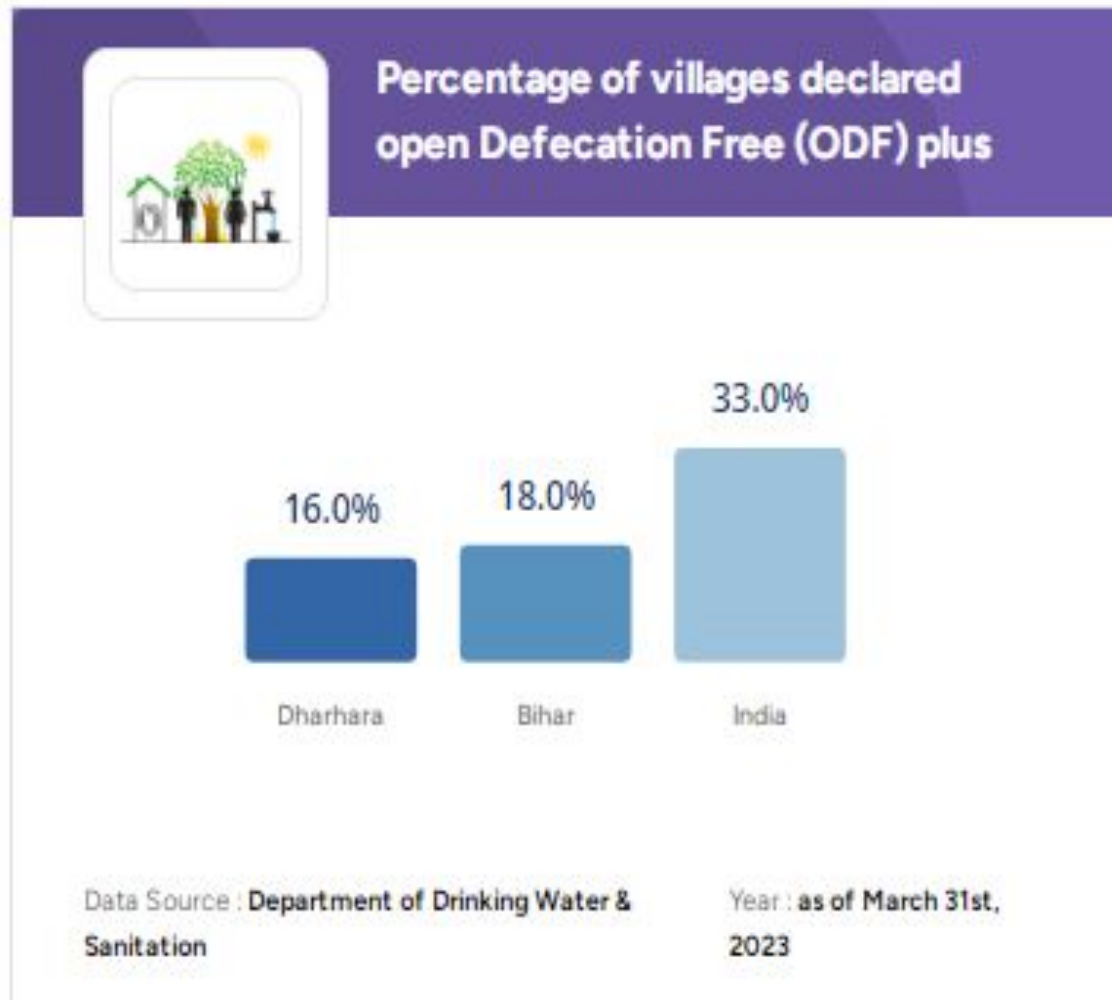
About Dharhara Block

Total Gram Panchayat-
13
Total Ward- 177
Total Villages- 88
Total HH- 35868

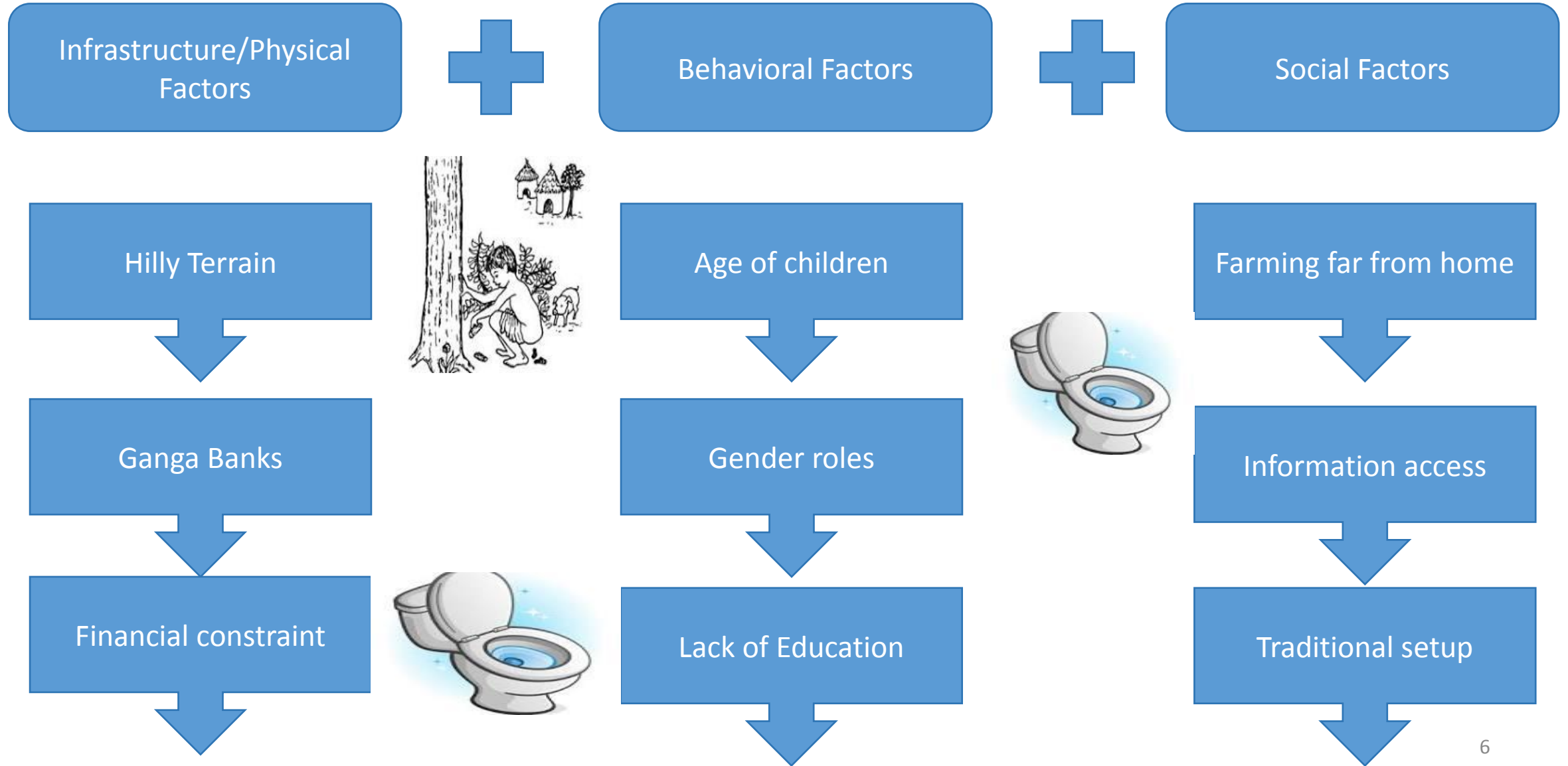


Topographical Map of Munger

DHARHARA BLOCK MOVED FROM 16% (MARCH,2023) TO ALMOST 100 % (TILL DATE) VILLAGES DECLARED OPEN DEFECATION (ODF) PLUS



HURDLES IN GETTING VILLAGES OPEN DEFECATION FREE (ODF) PLUS



Hurdles in getting Villages Open Defecation Free (ODF) plus

- Infrastructure/Physical Factors

- **Hilly Terrain**

- **Ganga Banks**

- **Financial constraint**

- Behavioral Factors

- Social Factors

- Lack of Information

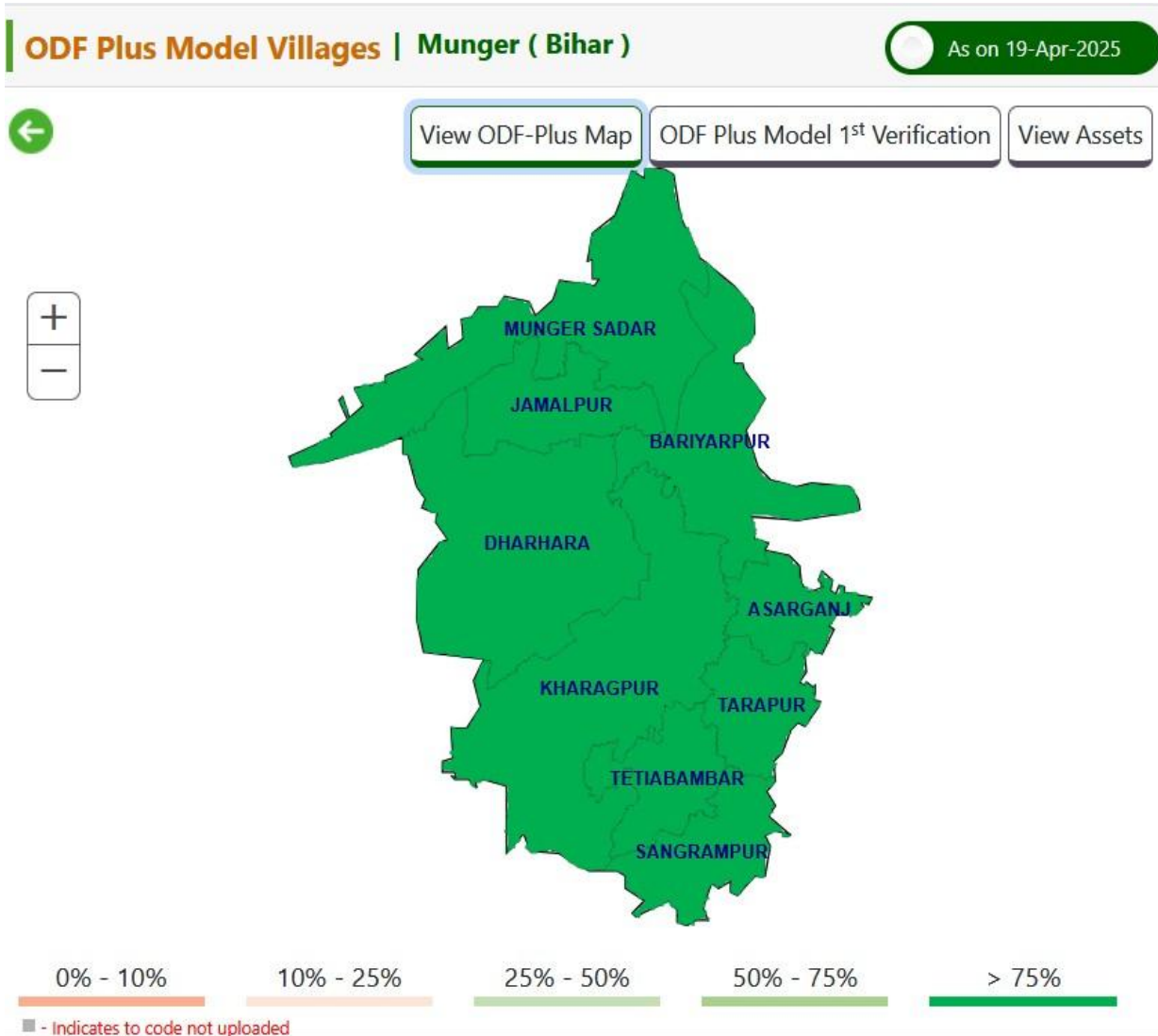
- **Traditional setup**

- Dharahra Block has 13 Panchayats, 177 wards, and 88 villages. Of these, 86 are ODF Plus Villages and 84 are ODF Plus Model Villages. There are 35,868 households.
- In 2023, when Dharahra Block was proposed as an Aspirational Block, the achievement percentage for ODF Plus Model Villages was only 16%.
- In the southern part of Dharahra Block, there is the Adger River, and all of it falls within the Ganga Catchment Area. In the lower land areas, water availability is a major problem, and simultaneously, construction materials for assets cannot reach the higher parts.
 - **Steep slopes make construction work risky and technically challenging.**
 - **There is limited or no road access in many hilly regions.**
 - **Unpaved and narrow roads are not suitable for heavy vehicles.**
 - **Transporting construction materials like cement, pipes, and tanks is costly and time-consuming.**
- The cost of labor and logistics is significantly higher than in plain areas.
- Regular water supply is essential for operating toilets and maintaining hygiene.
- Without regular water, toilets cannot be kept clean.
- This leads to disuse and a return to open defecation practices.
 - **Several panchayats in Dharhara Block are located near the Ganga River.**
- After defecation, many people prefer bathing in the river, which is seen as a purification practice.

Financial Constraints

- Under Swachh Bharat Mission- Grameen, funds for honorarium of Swachhta Karmi and Supervisor were provided for only one year. From next year a fund for honorarium will be provided from 15th Finance Commission, user charges and other sources. In the village there are many issues, less desire and less motivation for giving user charges.
- **Behavioral Factors-** Public Disturbance in WPU Construction
- **Social Factors-** No Segregation of Wet waste and Dry waste at Households level.
- There are many public/community dispute in construction of community soak pit/ Nali outlet points etc.

SWACHH BHARAT MISSION GRAMEEN PHASE-II (2020–2025)



Achievements

- Dharhara Block almost achieved ODF Plus status during Phase 2
- LWM and SWM arrangements have been completed in every village in the Dharhara Block.
 - In Solid Waste Management, door-to-door waste collection is carried out in every panchayat by Sanitation Supervisor & Swachhta Karmi.
- User Charges for D-2-D Waste Collection are collecting from the community through IEC campaigns.
- For LWM community soak pit has been constructed at the required places and on the bank of the River Ganga to prevent to prevent the drainage directly flowing into the river.
- Community Sanitary Complexes have been constructed in SC/ST hamlets so that landless households can use the toilets and avoid open defecation.

Steps Taken by District/Block to Achieve ODF Plus Status

The Munger District has enlisted the support of swachhata supervisors, sanitation workers, Swachhagrahis, Self Help Group (Jeevika didis) members, frontline workers, community influencers and other stakeholders to be engaged in various community awareness activities.

Among the activities planned for the period are ODF Plus-led interpersonal communication (IPC)/BCC, door-to-door visits, community meetings and mobilization, rallies, processions, Sandhya Chaupal (evening village meetings), Transect Walks, shramdaan, community-led total sanitation (CLTS), legacy waste cleanliness drives, multidimensional ODF-Plus messages, etc.

Sanitation, Safe drinking water, and hygiene (WASH) are fundamental to improving the standards of living for people. Improved WASH is therefore central to reducing poverty, promoting equality, and supporting socioeconomic development; owing to which drinking water and sanitation are targets under the **Sustainable Development Goals (SDGs)** to achieve universal access to WASH.



STEPS TAKEN TO INCREASE VILLAGES DECLARED OPEN DEFECATION FREE (ODF) PLUS



- The Swachhta Abhiyan, launched by PM Modi, has grown into a national movement.
- Through his words and actions, the Prime Minister has inspired people to join the Swachh Bharat mission.
- We have constructed 30868 Individual household latrine (IHHL) application with the help of government funds.
- Any Household not having latrine will be given Rs 12000 after construction of latrine.
- We have constructed 34 Community Sanitary Complexes in areas where people are not having land for personal latrine construction and these Latrines are constructed in area away from river banks. in case of flood like situation these laterine are easily accessible
- Regular annoumcement about swachhata were made by using 130 Vehicles used for collection and Transportation of waste
- Community Participation and Awareness: Involving local communities in the planning, construction, and maintenance of toilets, and running regular campaigns to educate people on hygiene and sanitation.
- Swachhata Sulk taken from household in DHARHARA BLOCK (30 Rs per HH & 50 Rs per other)

Assets Created in Dharhara Block ,Munger

- Total 13 Waste processing units have been constructed in 13 Panchayats in Dharhara Block.
- 431 community soak pits have been constructed in 86 villages in Dharhara Block.
- 93 Community Compost Pits have been constructed in 86 Villages
- 130 (Tricycle- 117 & E- Rickshaw- 13) Vehicles purchased by Gram Panchayat for Waste Collection and Transportation.
- 295 Drainage Facilities in 86 Villages of Dharhara Block.
- 30,868 Individual Household Latrines (IHHL) constructed in Dharhara Block (Phase 1 & Phase 2).
- 34 Community Sanitary Complexes (CSC) have been constructed in SC/ST habitations .
- 100% of households in the block have functional tap water connections (FHTC) through the government scheme "**Har Ghar Nal Ka Jal,**" enabling people to use household toilets instead of going to the riverbank for defecation due to the availability of tap water.

ODF PLUS ACHIEVEMENT	
Total Gram Panchayats	13
Total Villages	88
ODF Plus Villages	86
Model	84
Rising	0
Aspiring	2
ODF PLUS INDICATORS	
Villages Having Arrangement of Solid Waste Management	85
Villages Having Arrangement of Liquid Waste Management	86

Success Story – Sangini Organic Khad for Farmer



- Sangini Khand lunched on 5th Feb 25, during CM Pragati Yatra by Chief Secretary sir, Govt of Bihar

- Sangini organic Manure, produced by Bahachaouki Gram Panchayat in Dharhara Block, Munger, which is a GAP (Ganga Action Plan) Panchayat.
- Sangini organic Manure, is made from wet waste collected door-to-door from households by Swachhta Karmis. The waste is then segregated at the Waste Processing Unit (WPU) and processed for 90 days in a NADEP tank, resulting in organic Khad.
- Sangini organic Manure, is also certified by the Agriculture Department, Government of Bihar, and is easily available to farmers at Rs. 10 per kg.
- District Magistrate Munger also visited and conducted regular inspections.

बिहार सरकार
कृषि विभाग,
कार्यालय-संयुक्त निदेशक (रसायन),
गुण नियंत्रण, बिहार, पटना-800001

Government of Bihar
DEPARTMENT OF AGRICULTURE
Office of Joint Director (Chemistry),
Quality Control, Bihar, Patna-800001.
Email Id-jdaqcbbihar@gmail.com
Mobile-9431518718

Memo No. - 717 Date: 12/01/25

Form L-1
See clause 30 FCO 1985

कार्बनिक उर्वरक नमूना का विश्लेषण प्रतिवेदन / Analysis Report of Organic Fertilizer Sample

सेवा में / To, Assistant Director (Chemistry) Munger Bihar

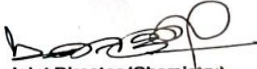
The analysis report of the Organic Fertiliser samples forwarded by your reference No. - 00 is as per details given below. Date:- 04.01.2025

1. कार्बनिक उर्वरक का नाम / Name of Organic Fertiliser :- City Compost
 2. नमूना लेने की तारीख / Date of sampling :- 04.01.2025
 3. कोड नं० / Code No. of sample as indicated by the inspector :- FERT/ADC-2
 4. प्रयोगशाला में नमूना प्राप्ति की तारीख / Date of receipt of sample in the Laboratory :- 07.01.2025
 5. प्रयोगशाला नमूना नं० / Laboratory sample No. :- 105
 6. विश्लेषण की तारीख / Date of analysis of sample :- 15.01.2025
 7. कार्बनिक उर्वरक का विश्लेषण / Analysis of Organic Fertiliser (On Fresh wt.basis)

क्र.सं. / Sl.No	Parameters	विनिर्देश के अनुसार / Specification as per FCO (in %)	विश्लेषण के अनुसार संरचना / Composition as per analysis (in %)	अंतर / Variation	अनुमोदित स्तर / Permissible Tolerance limit
(A) Physical Characteristics -					
(i)	Moisture Content	25.00(max)	21.95		
(ii)	Bulk Density (g/cm ³)	<1.0	0.92		
(iii)	Particle Size	90.00	94.00		
(B) Chemical Characteristics -					
(i)	Total Organic Carbon (Min)	12.0	13.98		
(ii)	Total Nitrogen		0.80		
(iii)	Total P ₂ O ₅	1.20	0.81		
(iv)	Total K ₂ O		0.88		
Sum Total of (B) (ii) (iii) & (iv)		1.20	2.29	1.09	(-) 0.1 Unit
(v)	C : N Ratio	<20	19.45		
(vi)	pH	6.5-7.5			
(vii)	Conductivity (as dsm-1) not more than (as dsm ⁻¹)	4			

STANDARD

Remarks:- नमूना, विनिर्देशों के अनुसार है। The sample is according to specification.
 Copy to:- 1 Director Agriculture, Bihar, Patna.


Joint Director (Chemistry),
Quality Control, Bihar, Patna

After several efforts, obtained the certificate approved by the Agriculture Department, Government of Bihar.

संगिनी का मिलेगा साथ, खुशहाल होंगे किसान

बाहाचौकी के कचरा प्रसंस्करण इकाई में तैयार **जैविक खाद** को मिला कृषि विभाग से प्रमाण पत्र



वनीष कुमार, जगदण.

89 पंचायतो में बनाई गई है कचरा प्रसंस्करण इकाई

75 कचरा प्रसंस्करण इकाई में तैयार हो रहा खाद



इसी थैले में मिलेगा खाद
 ● सोनबन्ध - जिला प्रशासन

बाहाचौकी पंचायत के डब्ल्यूपीयू में तैयार किए जा रहे जैविक खाद को दिखाते पर्यवेक्षक सोहन कुमार ●

बाहाचौकी पंचायत स्थित कचरा प्रसंस्करण इकाई में तैयार जैविक खाद को कृषि विभाग से प्रमाण पत्र प्राप्त हो गया है।

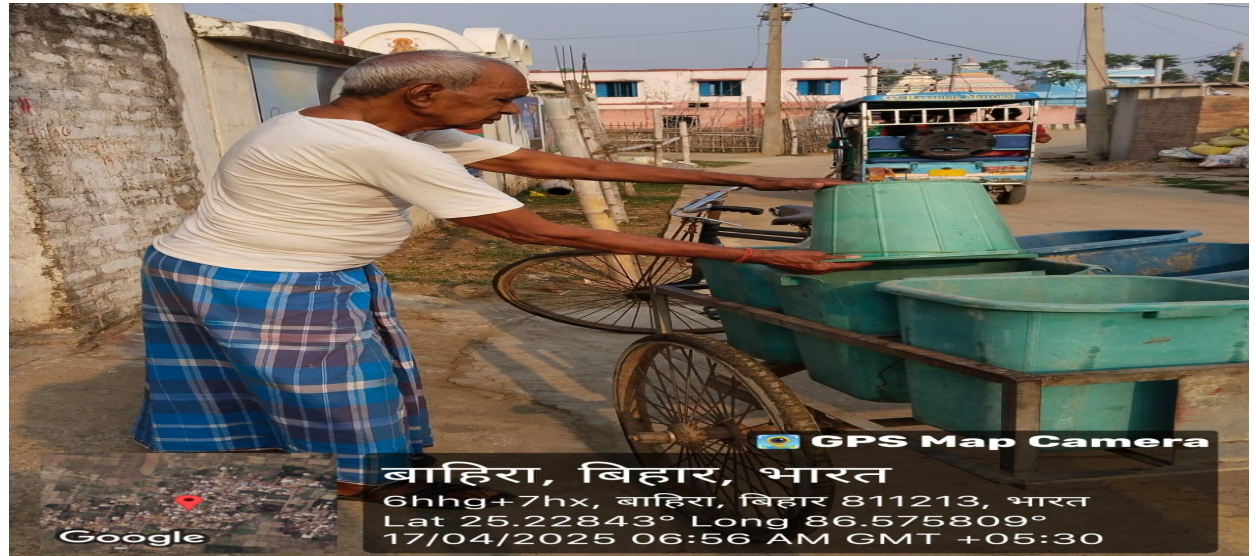


इसे संगिनी ब्रांड नाम के साथ बाजार में बिक्री के लिए उतारा जाएगा। यह खाद किसानों को 10 रुपये प्रति किलोग्राम की दर से उपलब्ध होगा। खेती के लिए यह खाद काफी लाभप्रद होगा। किसानों का खर्च भी कम जाएगा। अजीत कुमार सिंह, डीडीसी

बाहाचौकी पंचायत स्थित कचरा प्रसंस्करण इकाई में तैयार किया जा रहा है। लोहिया स्वच्छ बिहार अभियान के तहत स्थापित इस कचरा प्रसंस्करण इकाई में गांव के घरों से कचरा के रूप में निकले जैविक पदार्थों से इसका निर्माण किया जा रहा है। इसे बिहार सरकार के कृषि विभाग से प्रमाण पत्र भी मिल चुका है। हालांकि, प्रमाण पत्र प्राप्त करने के लिए यहां तैयार जैविक खाद के सौंपल का चार बार सत्यापन कराया गया। इसके बाद यह सभी निर्धारित मानकों पर खड़ा उतरा। फिर कहीं जाकर कृषि विभाग

के संयुक्त निदेशक रसायन ने प्रमाण पत्र दिया। 75 डब्ल्यूपीयू में जैविक खाद तैयार : जिले के 89 ग्राम पंचायतों में लोहिया स्वच्छ बिहार अभियान के तहत कचरा प्रबंधन इकाई (डब्ल्यूपीयू) स्थापित किया गया है। इसमें से 75 लिए भी इसे उपलब्ध कराया जाएगा। ऐसे में इससे जहां पंचायत स्वच्छ होगा, वहीं किसान भी रासायनिक खाद के प्रयोग से बचेंगे व जैविक खाद का प्रयोग कर अपने उत्पादन को बढ़ा सकेंगे तथा आर्थिक रूप से समृद्ध होंगे।

Door to door Collection Dharhara Block Munger District (Solid Waste Management)



ग्राम पंचायत सारोबाग
परखंड धरहरा
वार्ड संख्या 02,03, 04,06,10,11,12,13,14
दिनांक-15/04/2025

Our Expectation from NITI AAYOG

- ❑ Fixed grant should be allotted for different components of Sanitation like Community Sanitary Complex and operation & maintenance of Door-to- Door Waste Collection and other Assets Construction in 15th Finance Commission at the panchayat level
- ❑ Special Grant required for Operation and Maintenance of Vehicles for Waste Collection and Transportation at the Gram Panchayat Level.
- ❑ User charge should be mandatory for all household and collection of user charge should be done through Public Distribution System (PDS).



Award given to different Swachhta Karmi/ PRI member/ Officers by District Magistrate, Munger



Sustainable Development in Sanitation

Sustainable development in sanitation refers to the implementation of sanitation systems and practices that meet the needs of the present without compromising the ability of future generations to meet their own needs. It encompasses a **holistic approach that considers not only the technical aspects of sanitation but also the environmental, social, and economic dimensions.**

Key Areas of Focus:

- ❑ **Waste Reduction and Management:** Encouraging composting toilets and other technologies that reduce the volume of wastewater and facilitate safe treatment.
- ❑ **Wastewater Treatment and Reuse:** Investing in effective wastewater treatment technologies that remove pollutants and allow for the safe reuse of treated wastewater for irrigation, industrial purposes, or even drinking water (with advanced treatment).
- ❑ **Faecal Sludge Management:** Developing safe and effective systems for the collection, transportation, treatment, and disposal or reuse of faecal sludge from non-sewered sanitation systems.
- ❑ **Community Participation:** Involving communities in the planning, implementation, and management of sanitation projects to ensure local ownership and sustainability.



COMPOST PIT CONSTRUCTED UNDER
SWACHH BHARAT MISSION-GRAMEEN
(SBM-G)



2024.09.21 11:17

AWARENESS CAMPAIGN ON SWACHH BHARAT ORGANISED BY STUDENTS OF DHARHARA



SWACHHATA PAKHWADA ORGANISED AT DHARHARA

Thank You

ना पट्टी के आजू

ना तालाब के बाजू

ना झाड़ी के नीचे

ना पेड़ के पीछे

अब पूरा भारत शौच करेगा तो दूसराज्जा बंद कर के!

शौचालय का उपयोग करो।
भारत को स्वच्छ बनाओ।

भारत सरकार
शुद्धता और स्वच्छता
विभाग