Primary Health Center (Smart PHC)

Submitted To

Gujarat Mineral Development Corporation Limited – Gramya Vikas Trust (GMDC-GVT)

Submitted By

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Acknowledgement

The successful completion of the Smart Primary Health Center (PHC) project at Kanjari, implemented under the GMDC-GVT initiative, is a testament to the collaborative efforts and dedication of many individuals and organizations. We extend our heartfelt gratitude to everyone whose support made this initiative insightful and impactful.

First and foremost, we express our profound gratitude to GMDC-GVT for their unwavering commitment to community development through visionary Corporate Social Responsibility (CSR) initiatives. Their emphasis on improving healthcare infrastructure and accessibility has been pivotal in shaping this project.

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We extend our gratitude to the district authorities of Panchmahal for their collaboration, ensuring the Smart PHC aligns with local healthcare priorities, and to the healthcare staff at Kanjari PHC for embracing the new infrastructure and technology with dedication. We also appreciate the active participation and valuable feedback from the Kanjari community, which has been instrumental in assessing the project's impact.

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Ruchi Mishra

(Project Coordinator)

Executive Summary

The Smart Primary Health Center (PHC) project at Kanjari, implemented under the GMDC-GVT initiative, represents a transformative effort to enhance rural healthcare infrastructure and services. The project aimed to address critical gaps in healthcare delivery by modernizing existing facilities, incorporating advanced medical equipment, and introducing technology-driven solutions. This initiative sought to improve healthcare accessibility, create patient-friendly environments, and reduce health disparities in underserved communities.

The implementation strategy involved selecting Kanjari in the Panchmahal district based on its healthcare needs and collaborating with district authorities to align with regional priorities. Key activities included infrastructure upgrades, telemedicine integration, staff training, and community engagement through initiatives like weekly Mamta sessions focused on maternal and child health. The facility now serves approximately 3,000 beneficiaries annually, improving diagnostic and treatment services.

The project's key achievements include installing advanced medical equipment like ECG machines and autoclaves, increasing operational efficiency, and promoting health awareness among the local population. The study highlighted opportunities for enhancement, including the potential for improving ambulance services, acquiring more diagnostic tools like microscopes, and upgrading basic amenities such as safe drinking water coolers.

The recommendations include replacing the existing ambulance to strengthen emergency response capabilities, providing a microscope to enhance diagnostic precision, and installing a new water cooler to ensure safe drinking water for patients and staff. Additionally, expanding the scope of Mamta sessions and distributing awareness materials are suggested to educate the community better. Establishing a robust framework for regularly assessing healthcare services and systematically gathering patient feedback is also recommended to drive continuous improvements.

By addressing the identified challenges and implementing these recommendations, the Smart PHC can further enhance its role as a model for improving healthcare delivery in rural areas, ensuring equitable and sustainable access to quality healthcare services.

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Chapter 1 - Introduction

1.1 Background

The Gujarat Mineral Development Corporation (GMDC), a prominent public sector enterprise, remains steadfast in its commitment to sustainable and responsible development. The corporation has executed numerous social development initiatives through its implementing agency, the Gramya Vikas Trust (GMDC-GVT). These efforts are thoughtfully aligned with GMDC's Corporate Social Responsibility (CSR) policy and the objectives outlined in Schedule VII of the Companies Act, focusing on promoting inclusive growth and enhancing community welfare. By tackling key socio-economic challenges, GMDC-GVT plays a vital role in advancing the well-being and empowerment of communities within its operational regions.

GMDC-GVT has adopted a holistic approach to addressing the pressing needs of rural and underserved communities. Its CSR initiatives focus on key thrust areas such as education, health, livelihood, and infrastructure development. By integrating these areas into its CSR strategy, GMDC-GVT seeks to create a meaningful and lasting impact on the lives of the beneficiaries.

Primary Health Centers (Smart PHCs)

The Smart PHCs (Primary Health Centers) project represents a significant step forward in modernizing healthcare infrastructure in rural and semi-urban areas. Primary Health Centers are the cornerstone of the healthcare system in these regions, delivering essential medical services to local populations. However, many PHCs face challenges such as outdated infrastructure, limited medical resources, and insufficient technology integration, which hinder their ability to provide efficient and effective healthcare.

The Smart PHC initiative aims to address these challenges by upgrading existing healthcare facilities. By incorporating advanced medical equipment, modern infrastructure, and technology-driven solutions, the project seeks to enhance the quality, accessibility, and efficiency of healthcare services. This initiative improves the patient experience and strengthens the healthcare delivery system, ultimately contributing to better health outcomes for underserved communities.

1.2 Objective of the Project

The objectives of the Smart PHC project are as follows:

- *Enhancing Healthcare Delivery***:** Modernize Primary Health Centers with advanced medical equipment, improved infrastructure, and integrated technology to provide high-quality healthcare services.
- *Creating a Patient-Friendly Environment***:** Enhance the patient experience by improving the physical environment and optimizing operational processes.
- *Increasing Operational Efficiency***:** Utilize technological advancements to enhance management, record-keeping, and service delivery at primary healthcare centres, ensuring smooth and efficient operations.
- *Improving Diagnostic and Treatment Facilities***:** Provide advanced diagnostic tools and treatment facilities to more effectively address health issues and reduce the disease burden in underserved areas.
- *Addressing Health Inequalities***:** Ensure equitable access to quality healthcare services for vulnerable populations, addressing the disparities in healthcare delivery in rural and semi-urban areas.

1.3 Implementation Strategy

The implementation of the Smart PHC project follows a well-defined strategy to ensure its success and sustainability. The key components of the strategy include:

- *Site Selection and Assessment***:** The project is being implemented at the Kanjari PHC in Halol district, identified as a priority area due to its strategic location and the healthcare needs of the surrounding population.
- *Collaboration with Stakeholders***:** The project is being executed with the district authorities of Panchamahal. This partnership ensures that the project aligns with local healthcare priorities and leverages the expertise of district health officials.
- *Infrastructure Upgradation***:** Modernization of the existing PHC building to create a patient-friendly environment. And installation of advanced medical equipment to facilitate laboratory testing, diagnostics, and treatment.

- *Monitoring and Evaluation***:** Post-completion, the district authorities will oversee the monitoring and operational management of the Smart PHC. Regular evaluations will be conducted to measure the project's impact and identify areas for further improvement.

1.4 Project Overview

The Smart PHC project is an ambitious initiative to address underserved communities' pressing healthcare challenges. By upgrading existing Primary Health Centers, the project seeks to improve the quality, efficiency, and accessibility of healthcare services. Key components of the project include the modernization of infrastructure, the introduction of advanced medical equipment, and the integration of technology-driven solutions. These improvements aim to create a robust and patient-friendly healthcare system capable of meeting the needs of rural populations. As mentioned in Table 1.1, the project located in Kanjari village in the Panchmahal district is set to benefit approximately 3,000 individuals annually. This initiative focuses on improving health outcomes and enhancing the community's overall well-being.

Table 1.1: Thrust Areas and Project Details

Thrust Area	Project	Details	Location	Beneficiaries (Annual)
Health	Smart PHC	Upgradation of existing healthcare facilities at PHC through medical equipment for lab testing and diagnosis.	Kanjari village, Panchmahal district	3,000

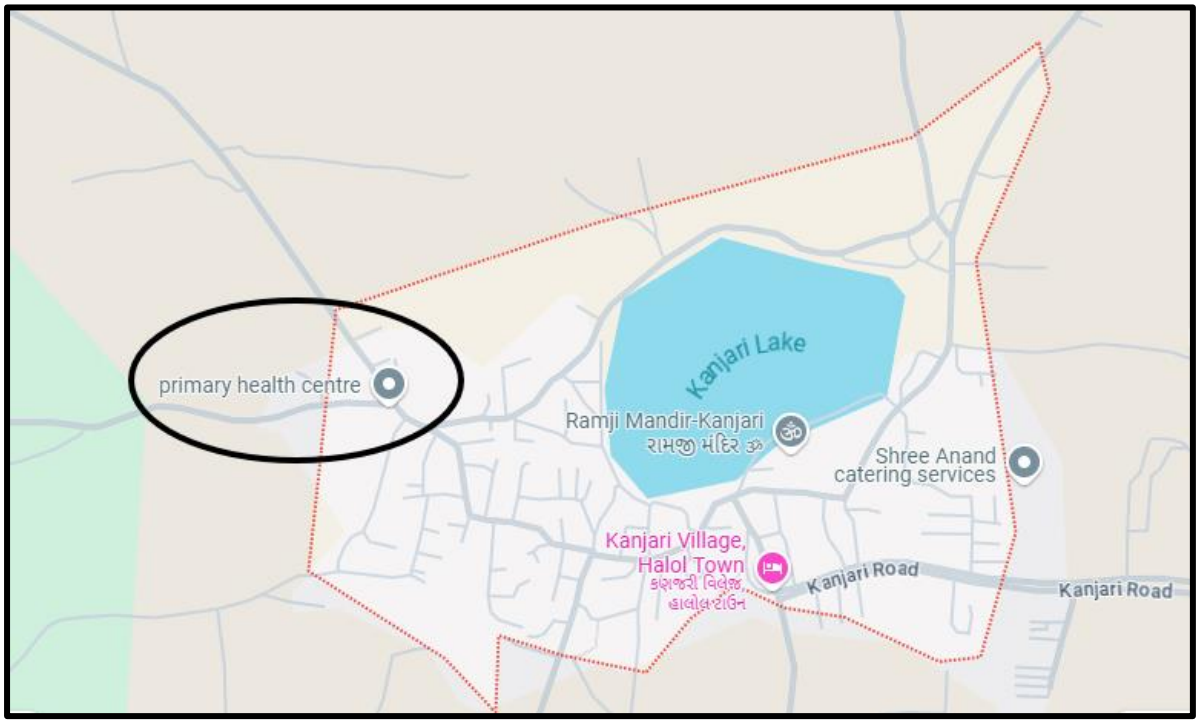
(Source: Project Details, GMDC-GVT, Shivrajpur, Panchmahal)

Chapter 2 - Research Methodology

This chapter provides a comprehensive overview of the project and its operational framework. It includes a detailed description of the study region, the methods employed for collecting and analyzing data, the scope of the study, and the limitations encountered during its execution. This systematic approach ensures that the information presented is accurate and relevant to the objectives of the Smart PHC project. The methodology will be structured as follows:

2.1 Study Region

The study region for the Smart PHC project is located in Kanjari village, Panchmahal district. This area was selected based on its rural demographic and the pressing need for improved healthcare facilities. Kanjari is characterized by limited access to advanced medical infrastructure and services, making it an ideal location for the implementation of a Smart PHC. The project aims to cater to the healthcare needs of approximately 3,000 individuals annually, thereby improving the overall health standards of the region.



(Source: https://www.google.com/maps/place/Kanjari,Gujarat)

Fig 2.1 Map of the Kanjari Village

2.2 Data Collection

The data collection process for this project was comprehensive and comprised several methodological steps, each aimed at obtaining a robust understanding of the operational landscape and infrastructure requirements at the Public Health Center (PHC). The following steps were undertaken:

- *Semi-Structured Interviews:* Engaged in direct conversations with the account manager of the PHC, utilizing semi-structured interviews to elicit qualitative insights. This approach facilitated an in-depth exploration of the operational challenges faced by the centre, the existing gaps in infrastructure, and the anticipated outcomes from the facility's upgrades.
- *Secondary Data Analysis:* Conducted an extensive compilation and analysis of pertinent reports, statistical data, and policy documents sourced from GMDC-GVT and local health authorities. This secondary data review was essential in situating the project within the larger healthcare framework, allowing for a nuanced understanding of prevailing healthcare policies, demographic trends, and resource allocation within the region.
- *Site Observations:* Carried out systematic field visits to Kanjari PHC to conduct firsthand assessments of the current state of infrastructure. These observational studies were pivotal in identifying specific areas necessitating improvement and enhancement, thereby providing a real-world perspective on the operational efficacy and readiness of the facilities for upgrades.

Together, these methodological steps created a comprehensive data collection framework that informed the project's objectives and guided subsequent interventions aimed at enhancing healthcare delivery at the PHC.

2.3 Data Analysis Process

The analysis process primarily involved qualitative methods due to the reliance on semi-structured interviews and secondary data. The key steps included:

- *Thematic Analysis:* Categorizing and analyzing qualitative interview data to identify recurring themes and prioritize interventions.

- *Comparative Analysis:* Review secondary data to compare the existing PHC setup with benchmarks for Smart PHCs, highlighting areas requiring upgrades.
- *Synthesis of Findings:* Integrating insights from interviews and secondary data to create actionable recommendations for the Smart PHC project.

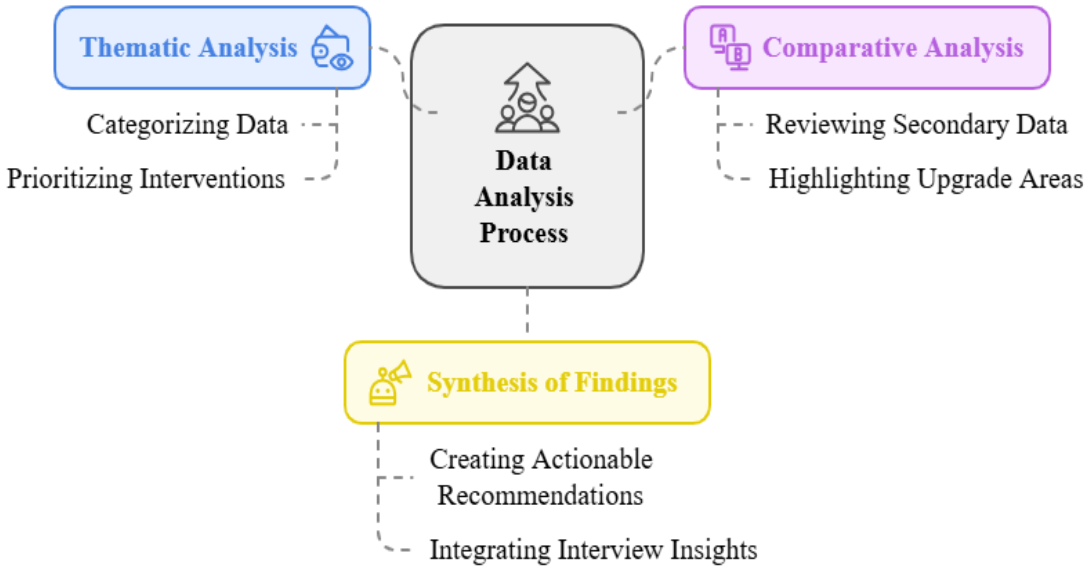


Fig. 2.2 Data Analysis Process

2.4 Scope of the Study

The following parameters define the scope of the study:

- *Focus Area:* The study emphasizes the transformation of the Kanjari PHC into a Smart PHC, incorporating modern infrastructure and technology-driven solutions.
- *Beneficiary Population:* The project targets approximately 3,000 individuals in the Kanjari region, addressing their healthcare needs effectively.
- *Methodological Approach:* This study's basis is a combination of qualitative interviews, secondary data analysis, and site observations.
- *Time Frame:* The study captures the planning, implementation, and initial operational phases of the project.

2.5 Limitations of the Study

The study is subject to the following limitations:

- *Limited Primary Data:* The study primarily focuses on semi-structured interviews with the account manager, which may not encompass the full range of perspectives from all stakeholders involved.
- *Absence of Quantitative Analysis:* The study does not include surveys or quantitative assessments, which may have provided additional insights into patient experiences and outcomes.
- *Dependence on Secondary Data:* The accuracy of the findings is contingent on the quality and relevance of secondary data sources.
- *Regional Focus***:** The study's findings are specific to Kanjari PHC and may not be directly applicable to other regions without contextual adjustments.

Chapter 3 - Results and Discussions

This chapter presents the findings from the Smart Primary Healthcare Center (PHC) initiative, highlighting the key results and their implications. The discussion elaborates on the services provided, the impact of new resources, and the facility's ongoing challenges. By examining these aspects, the chapter aims to comprehensively understand how the Smart PHC functions, its contributions to the community, and areas requiring further improvement.

3.1 Financial Support and Contributions

The Smart PHC has received significant financial support through CSR contributions, which have facilitated acquiring new equipment and improving healthcare services. The table below highlights a specific contribution received in 2023:

Table 3.1: CSR Fund Contribution Details

Sr. No.	Payment Date	Reference No.	RTGS No.	Amount (Rs.)
1	11/04/2023	1149749571	RTGS/ICICR42023041100541637	12,50,000/-
			Total CSR fund contribution	**12,50,000/-**

(Source: CSR Fund Contribution, GMDC-GVT Shivrajpur, Panchmahal)

This funding played a crucial role in enabling the facility to procure vital medical equipment, directly impacting the quality of care provided to the community. Such financial contributions underscore the importance of external support in sustaining and expanding healthcare initiatives.

3.2 Thematic Analysis

The following is a thematic analysis based on the SSI conducted with the account manager of the Smart PHC:

- *Provision of New Equipment:* In 2023, the healthcare facility received critical medical equipment from GMDC-GVT, significantly enhancing its capacity to deliver essential services. The equipment included patient beds, case card trolleys, an ECG machine delivery table, and an autoclave machine. The addition of these resources has improved the efficiency and reliability of healthcare delivery. For instance:

    - *Patient beds and case card trolleys*: These facilitate streamlined patient management and improve care quality.
    - *Delivery table and ECG machine*: These strengthen maternal health services and cardiovascular diagnostics.
    - *Autoclave machine*: Ensures the sterilization of medical instruments, maintaining high hygiene standards.

- *Awareness Initiatives*: Additionally, pamphlets were distributed to raise awareness among patients about available healthcare services. These pamphlets serve as an educational tool, enhancing community engagement and ensuring that individuals are informed about the services they can access at the facility. This reflects the facility's commitment to promoting preventative healthcare alongside treatment services.
- *Focus on Primary Healthcare:* The Smart PHC primarily caters to pregnant women, offering services such as prenatal checkups. It also addresses other health concerns, including viral infections and dog bites. On average, the facility handles 20 to 30 patients daily, providing accessible and reliable care to the local population.
- *Laboratory Testing:* The provision of laboratory testing kits by GMDC-GVT has greatly improved diagnostic accuracy and efficiency. These kits ensure timely identification of health issues, enabling effective treatment plans.
- *Mamta Sessions:* A key initiative of the facility is the weekly Mamta sessions held every Wednesday. During these sessions:
    - Female health workers visit nearby villages.
    - Vaccinations are administered to mothers and children.
    - Awareness is spread about maternal and child health.

This outreach program plays a pivotal role in improving immunization coverage and reducing the prevalence of preventable diseases. It also fosters trust between the healthcare providers and the community, encouraging greater utilization of available services.

(Source: Photograph Taken by Project Investigator)

Fig. 3.1 Photograph taken during Semi-Structured Interview

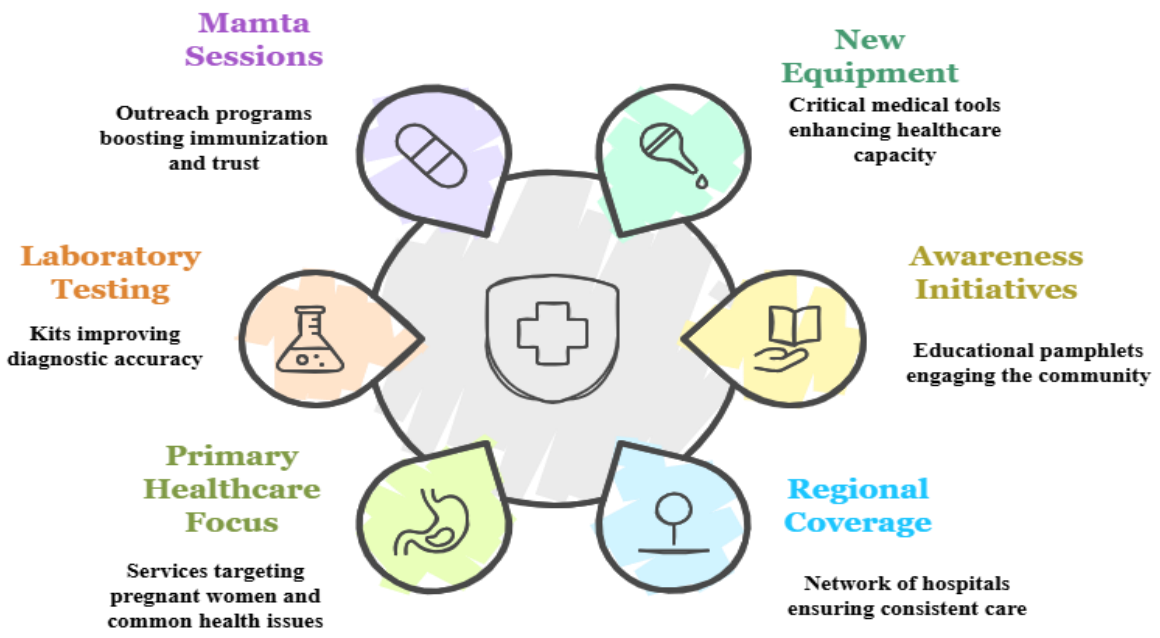


Fig. 3.2 Enhancing Healthcare Delivery

3.3 Identified Challenges and Requirements

- Ambulance Services: Updating the current ambulance will significantly enhance its reliability during emergencies, ensuring timely transportation of patients, particularly in critical situations.
- Diagnostic Equipment: Acquiring a microscope will greatly improve the facility's ability to conduct detailed laboratory testing. This addition will enhance diagnostic capabilities, enabling more accurate and timely medical decisions for better patient outcomes.
- Basic Amenities: Replacing a water cooler will provide safe drinking water for both patients and staff, greatly improving the overall environment and ensuring that basic amenities are met.

3.4 Key Findings from the Study

Based on the thematic analysis and the secondary data provided by the smart PHC authorities following are the key findings:

- *Impact of New Resources:* The addition of new equipment has significantly improved the facility's ability to deliver primary healthcare services. Patient care has become more streamlined, diagnostics more accurate, and hygiene standards better maintained. These improvements reflect the effectiveness of support provided by GMDC-GVT.

- *Importance of Outreach Programs:* The Mamta sessions highlight the facility's proactive approach to community health. The PHC ensures that even vulnerable populations receive essential care by taking healthcare directly to remote areas. This initiative is instrumental in reducing health disparities and promoting long-term well-being.

- *Addressing Current Gaps:* Despite these achievements, the identified gaps—mainly related to ambulance services, microscope and basic amenities—pose significant challenges. Addressing these issues is critical for sustaining and expanding the facility's impact.

    - *Ambulance services*: A reliable ambulance is crucial for emergency response.

    - *Microscope:* Enhanced diagnostics will improve treatment outcomes.

    - *Upgrade the water cooler:* Basic amenities are essential for the comfort of both patients and staff.

3.5 Conclusion of the Chapter

The findings demonstrate Smart PHC's crucial role in providing primary healthcare services and its potential to achieve greater impact with improved resources. While the support from GMDC-GVT has been instrumental, addressing the existing challenges is essential for the facility's sustained success.

Strategic investments in equipment, infrastructure, and transportation will enhance the quality and reach of services, benefiting the community and contributing to the overall healthcare landscape of the region. By tackling these challenges, the Smart PHC can strengthen its position as a model healthcare provider, setting a precedent for similar facilities in other regions. The ongoing commitment to both immediate healthcare needs and long-term community health outcomes highlights the transformative potential of the Smart PHC initiative.

Chapter 4 - Conclusion and Recommendations

This chapter summarizes the findings of the Smart PHC initiative at Kanjari and presents actionable recommendations based on the study's outcomes. The initiative aimed to enhance healthcare infrastructure and services in a rural setting, addressing critical gaps through modernization, technology integration, and capacity building.

The impact of Smart Primary Healthcare (PHC) on the community is profound and multifaceted, significantly enhancing the overall health and well-being of local residents. By prioritizing accessible medical services, particularly for pregnant women and children, Smart PHC ensures that some of the most vulnerable populations receive the care they need. The recent introduction of critical medical equipment from GMDC-GVT has transformed the facility's operational capacity, enabling healthcare providers to deliver efficient and reliable services. For example, the availability of patient beds and case card trolleys has optimized patient management. At the same time, the new delivery tables and ECG machines have strengthened maternal health services and cardiovascular care. Additionally, distributing educational pamphlets has raised awareness about available healthcare services, empowering community members to take advantage of these resources. This proactive approach addresses immediate health concerns, such as viral infections and dog bites, and emphasizes preventative care, ultimately enabling the facility to serve 20 to 30 patients daily. Furthermore, implementing laboratory testing kits has improved diagnostic accuracy, allowing for timely and effective treatment interventions. The weekly Mamta sessions conducted by female health workers in surrounding villages exemplify Smart PHC's commitment to community outreach by promoting vaccination and educating families about maternal and child health. Through these initiatives, the healthcare facility fosters trust and collaboration between providers and the community, leading to increased utilization of available services and improved health outcomes. Overall, the impact of Smart PHC extends beyond individual health, creating a ripple effect that promotes a healthier, more informed, and engaged community.

The chapter concludes with suggestions to improve the initiative's sustainability and impact, ensuring better healthcare for the underserved community.

4.1 Conclusions

The implementation of the Smart PHC at Kanjari under the GMDC-GVT initiative has demonstrated significant progress in improving healthcare services. The project has achieved:

- *Enhanced diagnostic and treatment capabilities:* through the provision of advanced medical equipment, such as ECG machines and autoclave systems.
- *Improved patient care and operational efficiency:* with upgraded facilities and equipment like patient beds, delivery tables, and laboratory tools.
- *Greater community health engagement:* through Mamta sessions and awareness programs targeting maternal and child health.

Despite these advancements, the study highlighted persistent challenges, such as

- The unreliable ambulance service limits emergency response capabilities.
- The lack of key diagnostic tools, such as a microscope, affects comprehensive testing.
- Basic amenities, such as safe drinking water, should be upgraded, as they currently impact the comfort of both patients and staff.

4.2 Recommendations

Based on the study we have conducted, here are the following recommendations:

- *Infrastructure Enhancements:* The smart Primary Health Center (PHC) needs the following amenities to ensure optimal functioning.
    - *Ambulance Replacement*: Prioritize the procurement of a reliable ambulance to enhance emergency services.
    - *Microscope Acquisition*: Address diagnostic gaps by equipping the facility with a microscope for detailed testing.
    - *Basic Amenities*: Replace the current water cooler to ensure the availability of safe drinking water, improving the facility's environment.
- *Community Engagement and Outreach:* Enhancing community connections through proactive efforts and awareness programs.

- *Mamta Sessions Expansion:* Extend the reach and scope of weekly sessions to cover a broader range of health issues, building greater community trust and encouraging active participation.
- *Monitoring and Evaluation:* Develop a robust framework to evaluate service delivery and pinpoint opportunities for improvement routinely. Regularly gather feedback from patients and the community to ensure enhancements are aligned with their needs and expectations.

The Smart PHC initiative in Kanjari has set a foundation for improving healthcare delivery in rural areas. While the project has demonstrated considerable success in enhancing access to quality care, addressing the identified challenges will be critical for its sustained impact. By focusing on infrastructure, operational enhancements, and community engagement, the Smart PHC can continue to serve as a model for transforming primary healthcare in underserved regions.

4.2.1 Long-Term Recommendations for Smart PHC Development

To ensure the continued success and sustainability of the Smart PHC project, the following long-term recommendations are proposed:

- *Regular Staff Training:* Implement training programs for healthcare personnel to ensure they remain updated with the latest medical practices and technologies, enhancing service quality.
- *Strengthened Community Outreach:* Increase outreach initiatives to improve health awareness, foster trust, and ensure the inclusion of marginalized populations.
- *Routine Equipment Maintenance:* Establish a schedule for the regular inspection and upkeep of medical equipment to maintain operational efficiency.
- *Facility Upgrades:* Periodically upgrade the PHC infrastructure to meet evolving healthcare needs and ensure a safe, hygienic environment.
- *Health Awareness Programs:* Conduct frequent health education programs to empower the community with knowledge about preventive care and available healthcare services.
- *Expanded Mamta Sessions:* Broaden the scope of Mamta sessions to address diverse health issues, ensuring they cater to the community's holistic needs.

- *Enhanced Preventive Care Initiatives:* Promote preventive healthcare measures, such as vaccination drives and early disease screening, to reduce the community's overall health burden.

By adopting these recommendations, the Smart PHC project can further solidify its role as a sustainable model for rural healthcare delivery.

Bibliography

Project Details, GMDC-GVT, Shivrajpur, Panchmahal.

CSR Fund Contribution, GMDC-GVT Shivrajpur, Panchmahal.

Appendix – 1: Items and Equipment

The following table provides a detailed inventory of the equipment, furniture, and other resources procured under the GMDC-GVT initiative for the Smart Primary Healthcare Center (PHC). These items enhance the facility's operational capacity, addressing diverse healthcare needs ranging from diagnostics to patient care and community outreach.

Table 1.1: Details of Items and Equipment Procured for Smart PHC under GMDC-GVT Initiative

Sr. No.	Category	Item	Item Description	Quantity
1	One Minute Clinic	Health Kiosk	Integrated and automated health screening kiosk with A4 size report printing, Android system, 10.1 inch tablet display consisting of software to put in the values of the measured following parameters covering 48 tests such as: Body temperature, height, Ni Blood Pressure, SpO2, Pulse Oximeter, Perfusion Index, Weight, Body Mass Index, Body Fat, Physique, Subcutaneous Fat, Visceral Fat, Body Water, Skeletal Muscle, Muscle Mass, Bone Mass, Protein, BMR, Metabolic Age, Fat-Free Weight, Health Score, Hemoglobin and Sugar. Software for Identifying Rapid test strips of Ovulation LH Malaria AG, Troponin I, Hepatitis C, Hepatitis B, Pregnancy HCG, HIV, Trilinine, Dengue NS1, HIVI & II, Malaria AB, Syphilis, Typhoid	1 Job
		Training & Maintenance of desk through out the year	Training of key trainers, customer care support, staff training & help desk through out the year	

		Telemedicine	Online two-way consultation with online prescription module including patient demographics, patient clinical examination patient history and patient health store. Cloud based server hosted on a cloud spare of 512 GB	
2	Expert Connect	Computer	Standard Brand AIO desktop with Core i3, WIN 11th Generation, Full HD Display, Wired Keyboard Mouse	1 Job
		Table	Good quality table made of 18mm ply with necessary hardware materials and storage box under table top with one 6" drawer and shutter. Table size: H-2.5" W-4 D-20 Drawer Size-6"x18" Shutter Size: 19x19	1 Job
		Printer	Standard brand & good quality A4 wireless printer	
		Staff Training	Staff training to use the software	
3	May I help you?	Chair	Good Quality and durable chair	1 Unit
		Table	Good quality Laminated/Colour table made of 18mm ply with necessary hardware materials and storage box under table top with one 6" drawer and shutter. Table size: H-2.5" W-4 D-20 Drawer Size-6"x18" Shutter Size: 19x19	1 Unit
		Shoe Rack	Open Shoe Rack	2 Unit
		Computer	Standard Brand AIO desktop with Core i3, WIN 11th Generation, Full HD Display, Wired Keyboard Mouse	1 unit
		Table	Color Finish/Laminated Table made of 18mm ply with necessary materials and 3 inch storage	1 unit

			box under table top. Table Size H-10 Inch W-2 Ft D-14 Inch	
		Chair	Good Quality and durable chair	3 unit
5	Swasth Gujarat Center	Stool	Good Quality and durable stool	1 unit
		Waste Bin	Blue Coloured Medical waste disposal bin of 60 LTR	1 Unit
		Fridge	Green Coloured Single door refrigerator special features, Good storage, Stabilizer free operations, Easy Defrosting, Quick chill zone	1 unit
		Chair	Good quality and durable chair	2 unit
		Stool	Good quality revolving doctor chair of L-22 inch, W-24 inch & H-35-40 inch	1 unit
		Waste Bin	Blue general waste bin of 60 LTR	1 unit
		Waste Bin	Yellow medical waste bin of 60 LTR	1 unit
		Digital Blood Pressure Monitor	Digital blood pressure monitor with wrist monitoring device, personalized inflation body movement indicator, accurate heartbeat and pressure detection	1 unit
		Digital Weighing Machine	Digital Weighing Machine with 180 kg capacity	1 unit
		Thermometer	Good quality digital thermometer	1 unit
		Stethoscope	Good Quality Aluminium Alloy Anodized 45Mm Chest Piece.Imported 175Mm and Head Frame Made Of 5 Mm Thick Brass Pipe.	3 unit
		Torch	3 Watt long durable and rechargeable LED Torch	1 job

		Height Chart	Multi designed graphical theme based vinyl print with lamination in dual language (size 457mm*1829mm)	1 job
		Crash Cart Trolley	MS/stainless steel crash cart trolley	1 unit
		ECG Machine	Collects 12-lead ECG signal simultaneously and printing ECG waveform with the thermal printing system	1 unit
		Medicine Box Storage	Cabinet with various small size drawers & convenient to store small tools	2 unit
		Labour Table	Full Stainless Steel Telescopic Fix height Labour Table	1 Unit
		Trays	Stainless Steel Medical Instrument Tray with Cover/Lid (Size:10*8") (Unit:4)	1 Job
		Autoclave Machine	Double Drum 12" 22" Vertical Autoclave to sterilize medical equipment and instruments with Seamless Dressing drum	1 Unit
		Examination area	Head Up Adjustable Examination Table for examination of the patient	1 Unit
		Semi Fowler Bed	Semi-Fowler Bed with ABS Panel (No Wheel)	1 Unit
		Suction Machine	Double Bottle Suction Machine INSTAVAC MS. (1/4HP) Copper Motor	1 Unit
		Ambu Bag	Adult Ambu Bag used to deliver positive pressure ventilation to any subject with insufficient or ineffective breaths	1 Unit
		Sanitizer Stand	SS Sanitizer Stand	10 Unit
		Dustbin	Various Dustbin In PHC Area	10 Units
		Steps	3 Stairs Steps	2 Units

		Wheel Chair	Indian MAG Wheel Chair	2 Units
6	Health & Awareness Corner	Needle Cutter	Electric Needle Cutter	5 Units
		First Aid Box	First Aid Box	3 Unit
		IV STAND	IV STAND	3 Unit
		Hand Strecher	Hand Strecher	1 Unit
		Waiting Chair	Waiting Chairs/Benches	1 Unit
		Machine	Awareness related informative charts/panels/books/magazines on various health & wellness topics like Nutrition Chart, Tobacco & Addiction, HIV, Women Empowerment, Hygiene, Waste Disposal, Yoga, Seasonal Diseases-Malaria, Dengue, Influenza, Pregnancy Care, etc. (Unit: 10)	1 Job
		Charts	Books (Unit:20) with Book Rack	1 Job
		Books	Alternate medicine related assistance for self-care, wellness & healthy correspondence with Ayush habits, home remedies for minor illness, and preventive care and doctor	1 Job
		Display Panel	Display Panel made of 12mm ply necessary hardware material (Size: 36 inch 12 inch)	5 Unit
7	Ayush Corner	Charts/books /pamphlets	Mats (Units: 10)	1 Job
		Yoga Mats	Yoga learning modules with 15+ Asanas for a healthy living	1 Job

		Green Carpet	Green Carpet for the Floor	1 Job
		Kids Mat	Multi-coloured waterproof kids mat of minimum size 6*4 FL	1 Unit
		Baby Crib	Good quality Baby Crib with mosquito net, minimum size: 975497 cm	1 Unit
		Wooden Cot	Good quality Wooden Cot for kids with mattress, minimum size 35.11.x 35.1W x 6.SH Centimeters	1 Unit
		Kangaroo Chair	Kangaroo Chair for mother care, size 850 mm * 580 mm * 800 mm with good quality mattress	1 Unit
		Revolving Chair	Good quality revolving chair of L-22 inch, W-24 inch & H-35-40 inch	1 Unit
		Stool	Good quality and durable stool	2 Unit
		Waste Bin	Blue General Waste Bin of 60 LTR.	1 Unit
		Waste Bin	Yellow Medical Waste Bin of 60 LTR	1 Unit
		Decorative Cutouts	Colourful decorative cut outs of 3mm thick foam sheet with Vinyl print 3 objects in 1 Unit (10 units) with Theme Wall	1 Job
8	Mother Child Corner	Toys	Playful Toyldt for babies and toddlers like a ball, sorting ring, musical toys, soft toys, etc. (1 kit of 5 toys) (2kit)	1 Job
		Weigh Machine	Weighing machine, size: 400 mm * 500 mm with capacity 200 Kg	1 Job
		Surgeon Stool	Doctor/Surgeon Stool with size 560 mm * 495 mm * 635 mm	1 Unit
		Medicine Box Storage	Medicine Box Storage: cabinet with various drawers and convenient to use	1 Unit

		Stadiometer	Measuring range: 20 - 210 cm with 1mm graduation. Measuring in inches and centimeters. The height stand disassembles into 4 sections and is easy to transport in disassembled condition. 1 Well-designed and Simple Assembly. Skid-proof Foot Plate. Accurate and Precise readings. It has a firm vertical stand with easy fold-up for simple set-up with firm & tight fixations. 2	1 Unit

(Source: GMDC-GVT, Shivrajpur, Panchmahal)

Appendix – 2: Allocation of Funds

GMDC/GVT/23/2023-24

Date: 28/04/2023

To
The Collector and District Magistrate
Panchmahals, Godhra
Collector Office Panchmahals
Jilla Seva Sadan-1, Civil lines Road
Godhra, Gujarat-389001

Sub: Fund Contribution under GMDC CSR to Samakhya Optimus Solutions LLP towards implementation of Smart PHC Project in Halol Block (Kanjari PHC)

Ref: 1. Letter No. JAM/CSR/Vashi/19 dated March 15, 2023 from Collector & District Magistrate-Panchmahals

2. Letter no. GMDC/GVT/291/2022-23 dated February 28, 2023 from GMDC-GVT

Dear Sir,

With reference to the above referred letter (1) and as per the conditions of the approval for the development Smart PHC at Kanjari PHC, Halol Block, GMDC-GVT is herewith transferring the 1st Installment of Grant Amount (50% of Total Approved Amount, Before Commencement of Project) to M/s Samakhya Optimus Solutions LLP for the implementation of the project. The payment details of the same are enclosed with this letter.

GMDC really appreciate this commendable initiative which aims to augment healthcare service delivery with smart solutions in far flung areas of Panchamahals District.We are sure that the this planned initiative will provide quality healthcare solutions for the community in the region and hence GMDC-GVT is happy to join hands and collaborate with District Administration-Panchmahalsfor this initiative.

Upon utilization of funds of the 1st instalment, you are requested to provide Fund Utilization Certificate and a detailed report along with the photographs about the activities undertaken during the same.

Kindly acknowledge the receipt of the fund contribution for the same.

Regards,

For GMDC-Gramya Vikas Trust,

Veena Padia
Chief Executive Officer
GMDC-GVT

Encl: Annexure-1 (Payment Details)

Cc:
1. GM (CSR), GMDC Ltd.
2. Project Coordinator (East Zone), GMDC-GVT

GMDC - Gramya Vikas Trust
Gujarat Mineral Development Corporation Ltd.
(A Government of Gujarat Enterprise)
Khanij Bhavan, 132 Feet Ring Road, Near University Ground, Vastrapur, Ahmedabad - 380 052
csr@gmdcltd.com I (079) 27912443 I www.gmdcltd.com/csr/

Annexure-1

CSR Fund Contribution for Smart PHC at Kanjri PHC, Halol Block through RTGS

Sr. NO.	Payment Date	Reference No.	RTGS No.	Amount (Rs.)
1	11/04/2023	1149749571	RTGS/ICICR42023041100541637	12,50,000/-
			Total CSR Fund Contribution:	12,50,000/-

Appendix - 3: Questionnaire for the SSI

1. Could you please share your name and designation at the Smart PHC?
2. What equipment and instruments has the PHC received from GMDC-GVT?
3. On average, how many patients visit the PHC daily for treatment?
4. What are the current needs and requirements for improving the services at Smart PHC?
5. Do you have any suggestions on how this program can be made more effective in serving the community?