







Project Year FY-20, FY-22 & FY-23.























RENOVATION AND MODERNIZATION OF

Govt Girls' High School, Kaurali Delhi/NCR Faridabad

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Project Overview



Objective: To improve the quality of education and overall learning experience for the girl students by upgrading the school infrastructure, enhancing sports facilities, and improving the aesthetics and functionality of the school.





What:

- Upgrade basic infrastructure, including sanitation facilities, electrical fittings, and school grounds.
- Improve the overall aesthetics and functionality of the school.





Direct observation of the project activities undertaken in the school through a checklist.



Where: Government Girls High School (GGHS), Kaurali, Faridabad.



Survey of students from classes 6th to 10th.



Who: Orient Electric Limited in association with Implementing Partner Ek Sangharsh



Focussed Group Discussion (FGDs) with students from classes 6th to 10th.



Smiley Scale Exercise with students from classes 4th and 5th.



How: By construction, renovation and modernization of the school as per the needs identified.



FGD with Teachers.



When: FY 20, FY 22 and FY 23



Key Informant Interview (KIIs) with Non teaching staff.



KIIs with Implementing Partner.

Takeaways



Enthusiastic appreciation from all school staff members, including the principal, teaching, and non-teaching staff, underscores the positive transformation brought about by the efforts of Orient Electric.



Unanimous 100% of surveyed students recognize significant enhancements in school's infrastructure, testifying to remarkable transformation over time.



100% of respondents universally acknowledged sanitary napkin provision as beneficial, addressing health needs and empowering the girls.



100% of the survey respondents answered the sitting arrangements (dual desks, stools) provided are comfortable and conducive to learning in school.



100% of respondents were positive about the school's environmental conservation efforts (e.g., rainwater harvesting, plantation). Orient Electric's support for such initiatives reflects a commitment to sustainability and community welfare, fostering a brighter future.



95% of the respondents rated the library facilities at GGHS Kaurali as excellent and 5% as good. This high praise reflects the library's pivotal role in nurturing a culture of learning and exploration among students.



The two Rainwater Harvesting (RWH) structures sponsored by Orient Electric yield approximately 3,297,000 litres annually from rainfall and an additional 28-30 lakhs litres per year from RO wastewater, exemplifying the project's sustainable impact.

Recommendation

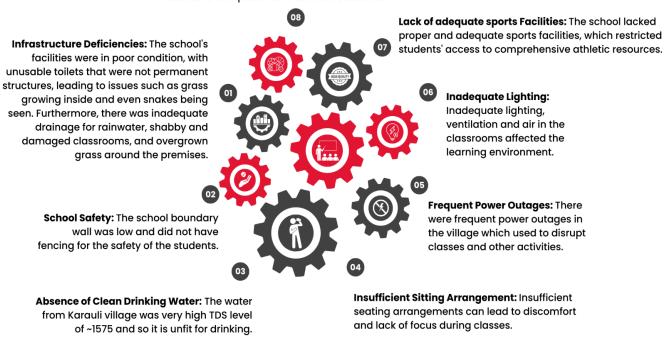


It is recommended to provide a dedicated and reliable internet connection for digital boards in classrooms and computer libraries to ensure uninterrupted access to online educational resources. This can enhance the effectiveness of digital learning tools and improve the overall learning experience for students.

2. Project Overview

2.1 Need for the Project

Lack of adequate sports Facilities: The school lacked proper and adequate sports facilities, which restricted students' access to comprehensive athletic resources.



How the project through renovation addressed these challenges:

- Toilet Facility for Students:
 - Constructed a new toilet block for girls and installed a toilet for children with special needs, ensuring accessibility and hygiene.
- Potable Drinking Water Facility for Students:
 - Installed an RO water purifier and a storage water cooler, providing clean and safe drinking water for students.
- Sitting Arrangement for Students:
 - Provided dual desks for students in class and stools for the library, enhancing the seating arrangements and creating a conducive learning environment.
- Inverter Facility for Power Backup:
 - Installed a 5KV inverter and battery, ensuring uninterrupted power supply during power outages.
- Electrical Fittings:
 - o Installed ceiling fans and tube lights, improving lighting and ventilation in classrooms.

- Computer lab and Library:
 - Set up a computer lab and library in school ensuring students have the tools they need for learning.
- Fixing of Interlocking Cement Tiles in Open Area:
 - Fixed interlocking cement tiles in the open area, ensuring safe and even flooring for outdoor activities.
- Rainwater Pipes from Rooftop to Ground Level and Drain near the main gate:
 - Installed rainwater pipes to efficiently channel rainwater from the roof to the ground level, preventing water damage and waterlogging.
 - Two rain water harvesting structures of 12000 litres capacity each installed to address the issue of improper drainage for rainwater and water conservation.

2.2 About Orient Electric Limited

Orient Electric Limited (OEL), a key player in India's electrical consumer durables, lighting, and switchgear sectors, integrates societal development into its business operations for sustainable growth. Considering society a vital stakeholder, the company is committed to inclusive growth. Focusing its CSR efforts on pressing socio-economic issues, OEL promotes education, women's empowerment, healthcare, hygiene, hunger alleviation, and environmental sustainability. Its CSR Policy emphasises sustainable and inclusive social development, aiming to enhance the quality of life in the communities it serves.

The company's CSR initiatives extend beyond philanthropy to holistic community development, institution-building, and sustainability-related projects. Targeting areas like women's empowerment, education, skill development, health and hygiene, water conservation, social advancement, gender equality, environmental sustainability, and rural development, the CSR Policy reflects OEL's commitment to benefiting society and aligning with its core values of sustainability and inclusivity.

2.3 Activity Flow

Orient Electric Limited (OEL) has provided support to NGO Ek Sangharsh in implementing renovation and modernization of GGHS, Kaurali project in the Faridabad district of Haryana. The project focused on the following activities:

Issues Identified: Engaging with the School Management Committee (SMC) to

Needs Identified: After engaging with the school the following needs were identified ensuring the safety, hygiene and conducive environment for identify areas needing improvement. students.

CSR Funding from OEL: OEL approved grants to support the renovation work in FY 20, 22 and 23 ensuring the necessary financial resources were available to complete the project.



Monitoring Progress and Ensuring Quality Control: Detailed monitoring of the project was done to ensure the right quality of materials are used for installation and the construction process.

Renovation Proposal to Orient Electric Limited (OEL): Detailed proposal submitted to OEL outlining the scope of renovation work required and associated costs, seeking financial support for the project.

Procuring materials and construction work start:

The project involved procuring the materials required for upgrades and hiring construction workers for renovation.

Activities undertaken in 2019-2020

Renovation

- Restoration of old Girls Toilet for Staff
- Dismanteling of old Kitchen/Store room
- Repair of the ceiling and windows in classroom
- Waterproofing of existing roof structure
- Distemper work in Classrooms
- RCC Flooring Playground Area
- Rainwater Pipes from Roof Top to ground level
- Fixing of Interlocking Cement Tiles in open area
- Ceramic Wall Tiles in Classrooms

Others

- Stationery distribution
- Recognition of 6 meritorious students by gifting Bicycles and gifts / stationary / sweets distribution to all students

Infrastructure development work

- Construction of 2 Rain Water Harvesting Structures
- Construction of Drain for Rainwater near Main Gate
- Construction of Toilet facility for Students- Toilet Block for Girls, Toilet for CWSN

Modernisation

- Potable Drinking Water facility for Students - RO Water Purifier
 50 LPH, Storage Water Cooler
 150 Lts
- Inverter Facility for power backup- Inverter , Battery
- Electrical Fittings- Ceiling Fan, Tube Lights
- Sitting arrangement for students-Dual Desk for students, Stools for Library

Activities undertaken in 2021-2022

Infrastructure development work

- Walking Track with Interlocking Tiles in Playground
- Construction of 20' x 30' Stage in School Ground
- Construction of Shed over Stage in School Ground

Renovation

- Principal Office- Ceramic Floor & Wall Tiles
- Ceramic Floor Tiles for Staffroom
- Library- Ceramic Floor & Wall Tiles,
- Raising Height of School Boundary Wall
- BTC Fencing over School Boundary Wall
- Paint Work- Principal office, Library, Computerlab, Boundary wall academic side, outside main building (both sides), boundary wall outside, boundary wall playground side

Modernisation

- HP Laser MFD Printer for School
- Installation of DLP Projector in Computer Lab
- Covered Bookshelves , Stools for students in Library
- Painting of Slogans and Pictures in School

Others

- Recognition of meritorious students by gifting Bicycles and gifts / stationary / sweets distribution to all students
- Stationery distribution
- Helper for Routine upkeep and maintenance of Installed assets
- Earth Work and Bed for Plantation drive in school
- Sports equipment sponsored

Activities undertaken in 2022-2023

Renovation

- Ground Maintenance
- CCTV Installation

Modernisation

- Green Board
- Electrical Fittings & Fixtures
- Electrical Wiring and Installation
- RO and Water Cooler
 Maintenance

Others

- Green Board
- Sports Equipment
- Sports Event for school
- Prize distribution
- Stationery Items distribution
- Name Boards for Plantation
- Recognition of meritorious students by gifting Bicycles

2.4 Project Completion Summary.



WHAT

- Upgrade basic infrastructure, including sanitation facilities, electrical fittings, and school grounds.
- Improve the overall aesthetics and functionality of the school.



WHERE

Government Girls High School, Kaurali, Faridabad.



WHO

Orient Electric Limited in association with Implementing Partner Ek Sangharsh



HOW

By construction, renovation and modernization of the school as per the needs identified.



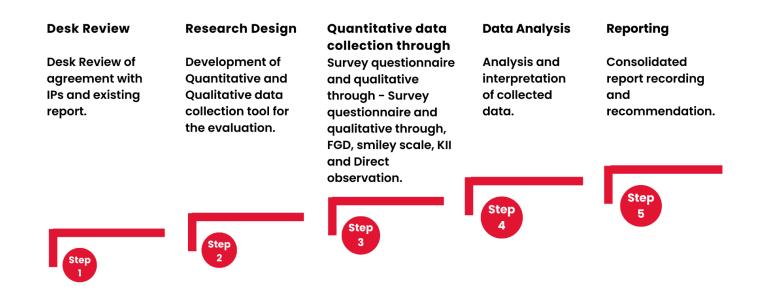
WHEN

FY 20, 22 and 23

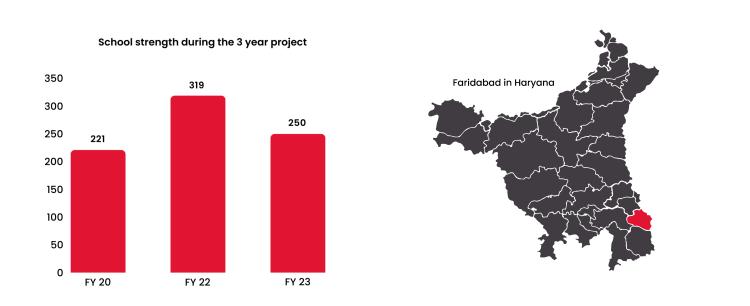
3. Study Approach and Methodology

3.1 Impact Assessment Stages

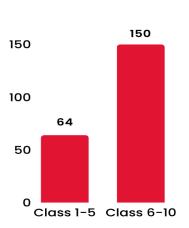
The primary objective of the Impact Assessment is to evaluate the effectiveness and overall impact of the project on its intended beneficiaries and the communities it serves. Through this assessment, we aim to measure the positive and extended outcomes, identify areas of success, and scope for further improvement, if any. The following are the stages involved in conducting an Impact Assessment.



3.2 Beneficiaries Profile

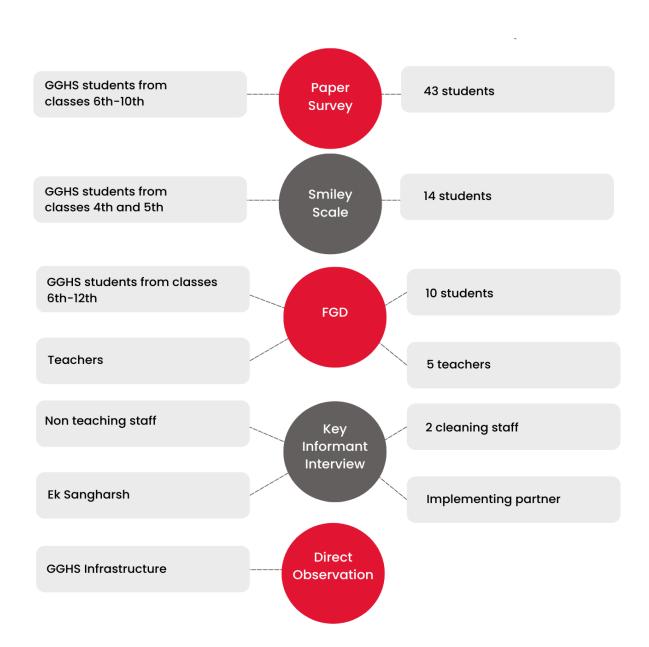


No. of students during FY 24 200



All beneficiaries were residents of Karauli, in Faridabad District. The overall strength of the school ranged between 220 students to 320 students over the course of the past 4 years. A declining trend of the total number of students has been observed over the past 2 years, primarily due to a reduction in the intake of students at the primary school level. The primary School level students in FY 24 were less than 50% of the secondary school.

3.3 Tools and Samples Selection



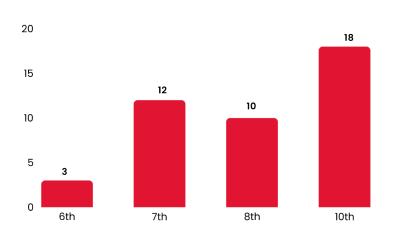
4. Findings and Analysis

4.1 Respondents' Profile

During the study, various stakeholders were met to assess the infrastructure improvements done at GGSSS. For students from classes 6th-10th, a paper survey was conducted with 43 students, along with a focused group discussion (FGD) involving 8-10 students. A Smiley scale exercise was conducted with students from classes 1st to 5th and a FGD was conducted with school teachers to get their perspective. Non-teaching staff, such as the cleaning staff, were interviewed through key informant interviews (KII). One KII was also conducted with the implementing partner to understand their views on the project.

a. Survey respondents profile

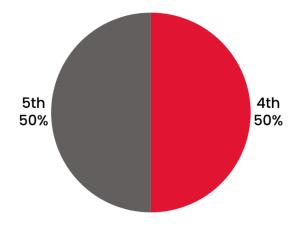
Below are the details of the number of students from each of the classes who participated in the paper survey



13-15 44.2%

The age group of the respondent students

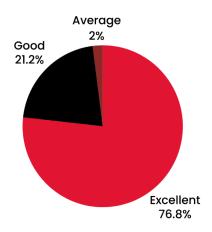
b. Smiley Scale Exercise



4.2 Study Findings

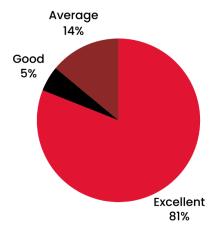
- 1. Infrastructure Upgrade: During the on-site assessment, it was observed that the renovation project spearheaded by Orient Electric significantly uplifted the school's infrastructure. Notable improvements included the installation of interlocking tiles in the school's open area, rainwater harvesting structures, reinforced cement concrete (RCC) flooring in the play area, and upgraded electrical fittings and fixtures such as ceiling fans and tube lights in the classrooms. These enhancements undeniably bolstered the school's overall appearance and functionality.
 - 95.2% of the survey respondents (43 students) believe that the infrastructure upgrades done in the school have improved the school's appearance.
 - 76% of the survey respondents rated the overall condition of the school building and classrooms as excellent.

How do you rate the overall condition of the school building and classrooms?



• 81.4% of the survey respondents mentioned that the new electrical fittings and fixtures (ceiling fans and tube lights) in the classes were useful.

How do you rate the availability of electrical fittings (ceiling fans, tube lights) in classrooms?



• The feedback and suggestions from students and staff also highlight interlocking tiles in the school's open area, and RCC flooring in the play area has added to the school's improved ambience.





2. Sanitation and Hygiene: During the visit, insightful discussions with staff members and teachers illuminated various aspects of the school's facilities. It was observed that some toilets were in disrepair, lacking permanence and occasionally harbouring vegetation. There

were also reports of encounters with snakes within these facilities. Furthermore, inadequate drainage near the school gate and from the roof was noted.

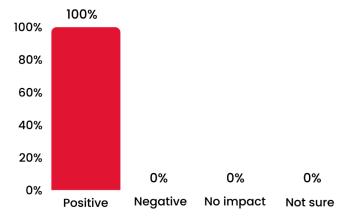
However, amidst these challenges, the positive impact of initiatives by Orient Electric was evident. Teachers emphasised the value of the sanitary pad distribution program, which significantly contributes to promoting menstrual hygiene management among female students. Notably, our survey findings affirm the widespread recognition of these efforts.



- 100% of the survey respondents found distribution of sanitary napkins a helpful initiative in the school.
- 98% of the survey respondents mentioned that it is important to have improved toilet facilities in school.
- 84% of the respondents agreed that they have seen improvement in the toilet facilities.
- 3. Sustainable water management and environmental conservation: It was observed that through collaborative efforts with Orient Electric, two innovative Rainwater Harvesting (RWH) structures were successfully introduced at GGHS Karauli, alongside proactive plantation initiatives. These endeavours not only signify a commitment to sustainable water

management and environmental conservation but also exemplify a partnership dedicated to community well-being. The RWH structures efficiently capture and store rainwater, ensuring a yearly harvest of approximately 3,297,000 litres from rainfall alone, while an additional 28–30 lakh litres annually are gathered from RO waste water. Furthermore, the plantation activities contribute significantly to expanding green cover, enriching air quality, and promoting biodiversity within the school premises. Together, these endeavours instil a profound sense of environmental stewardship among students, fostering a greener, more sustainable future for all.

• 100% of the survey respondents were positive about the school's efforts towards environmental conservation (e.g., rainwater harvesting, and plantation).

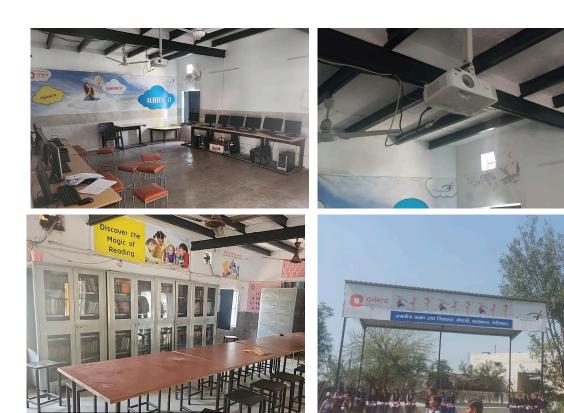






- **4. Functional Upgrades:** The school involved a series of upgrades over a period of three years in the school including:
- Computer Lab Setup: Installation of PCs and necessary equipment for a functional computer
- **Projector Installation**: Installation of a DLP projector in the computer lab for interactive learning sessions.
- **Library Setup**: Setting up the library with ceramic floor and wall tiles, covered bookshelves, and stools for students helped in creating a conducive environment for reading and research.
- **Dual Desk for students, Stools for Library:** The dual desks provide students with a more comfortable and organised workspace, allowing them to focus better during classes

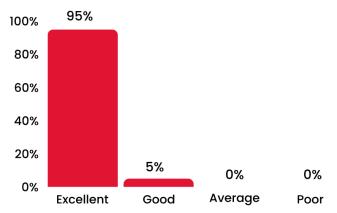
• Stage and Shed Construction: Construction of a stage and a shed over it in the school ground for organising school events and gatherings.



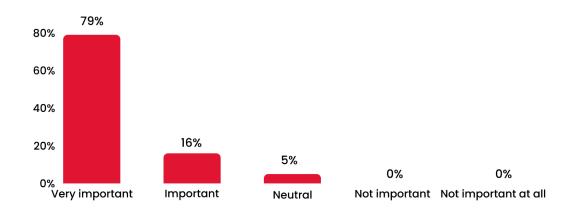


• Feedback from teachers and the Principal underscores the constructive influence of the library's construction, orchestrated by Orient Electric, on student engagement. Students

- express genuine enthusiasm for reading, eagerly anticipating opportunities to visit the library during free periods.
- Notably, 100% of students found the provided seating arrangements—comprising dual desks and stools—both comfortable and conducive to their learning experience within the school environment.
- 95% of the survey respondents rated that they have excellent library facilities in the school.



• 79% of the respondents believe it is very important to have a computer lab in the school.



- 5. Safety Measures: It was observed that for the safety and security of students and staff the initiatives of Orient Electric played a pivotal role by overseeing the repair of boundary walls and implementing Barbed Tape Concertina (BTC) fencing. Furthermore, they facilitated access to clean drinking water by installing RO Water Purifiers and Storage Water Coolers on the school premises.
 - During the discussion with the teachers, it was found out that the boundary wall and fencing were necessary for the safety as the earlier boundary wall was low in height.

• 88% of the respondents said that there is provision of clean drinking water facilities in their school premises.



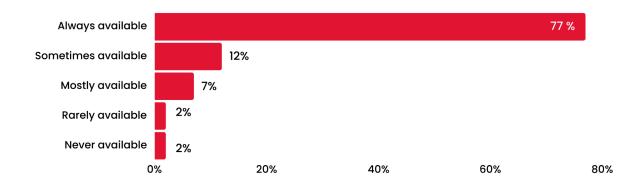




6. Motivation for students: During discussions with the teachers, it was revealed that the various initiatives introduced by Orient Electric, including sports activities, prize distributions, stationary provisions, and bicycle awards, have significantly motivated all students to excel academically. Particularly noteworthy is the provision of bicycles to top-performing students in class 9, which serves as a strong incentive for others to strive for academic excellence in their upcoming board exams.

Additionally, the teachers emphasised that the well-maintained school environment and the introduction of new facilities has greatly contributed to students' motivation to be actively engaged in school activities.

• 77% of the respondents stated that the stationery is always available in school.

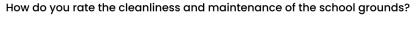


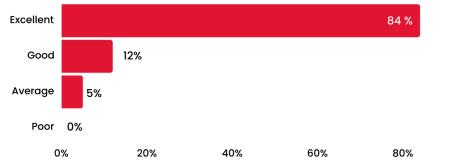
- 7. Sports Activities: The discussion with the physical activity teacher and the students revealed that many things have been done in the school for the promotion of physical activities amongst students. The teachers also said many girls from the school are inter school champions in volleyball.
- **Sports Equipment**: Provision of sports equipment, including a volleyball and badminton set, and table tennis set up, for students to engage in physical activities and sports.
- **Playground Maintenance**: Maintenance of the playground area with RCC flooring, to provide a safe and conducive environment for sports activities.
- **Sports Events**: A Sports Event was held on 16th February 2023, in the school to promote sportsmanship, teamwork, and physical fitness among students.





• 84% of the respondents rated cleanliness in school sports grounds as excellent.





100%

8. Women Empowerment: In discussions with the project coordinator, it was revealed that Orient Electric has specifically undertaken a project for the Government's girls' school in order to create a conducive environment for girls to receive quality education.

Orient Electric's commitment to empowering girls through education is exemplified by its dedicated project for the Government's girls' school. By creating a conducive environment with enhanced facilities, safety measures, and infrastructure, Orient Electric is breaking down barriers that hinder girls' education. This initiative not only supports girls' academic pursuits but also aligns with the broader goal of women's empowerment. By providing girls with the resources and support they need to thrive in their academic journey, Orient Electric is catalysing positive change and paving the way for a brighter, more equitable future for all.

4.3 Key Highlights

- Enthusiastic appreciation from all school staff members, including the principal, teaching, and non-teaching staff, underscores the positive transformation brought about by the efforts of Orient Electric.
- A unanimous 100% of surveyed students (43 respondents) recognize significant enhancements in the school's infrastructure and facilities over time. The unanimous recognition is also a testament to the remarkable transformation witnessed.
- The provision of sanitary napkins was universally acknowledged as a beneficial initiative by 100% of survey respondents. This initiative not only addresses a critical health need but also empowers women and girls by ensuring their dignity, comfort, and confidence.
- 100% of the survey respondents think the sitting arrangements (dual desks, stools) provided are comfortable and conducive to learning in school.
- 100% of the survey respondents were positive about the school's efforts towards environmental conservation (e.g., rainwater harvesting, and plantation). Orient Electric's support for such initiatives reflects its broader commitment to sustainable practices and community welfare, fostering a brighter, more sustainable future for all.
- 95% of the respondents rated the library facilities at GGHS Kaurali as excellent and 5% as good. This high praise reflects the library's pivotal role in nurturing a culture of learning and exploration among students.
- Remarkably, the Rainwater Harvesting (RWH) structures sponsored by Orient Electric yield approximately 3,297,000 litres annually from rainfall and an additional 28-30 lakhs litres per year from RO wastewater, exemplifying the project's sustainable impact.

5. Framework

5.1 REECIS

The overall impact assessment findings can be mapped as per the criteria of the Relevance Effectiveness, Efficiency, Coherence, Impact, Sustainability framework as follows.

Relevance:

The infrastructure upgrades, including toilet facilities, drinking water, and classroom amenities, were highly relevant to improve the school's environment and support student learning. The focus on sanitation, safety, and environmental conservation aligns with the school's and community's needs.

Effectiveness:

The infrastructure projects at GGHS Kaurali have been highly effective, with 100% of stakeholders expressing satisfaction. Students and staff have noted improvements in infrastructure, comfort with sitting arrangements, and appreciation for initiatives like sanitary napkin distribution and environmental conservation efforts.

Efficiency:

The allocation and utilisation of resources for the infrastructure projects have been effective, as evidenced by the completion of various upgrades within the allocated budgets and timelines.

Coherence:

The project aligns with Government policies like Swachh Bharat Abhiyan by improving sanitation, NEP 2020 by creating a safe learning environment, and SSA by enhancing infrastructure for quality education.

Impact:

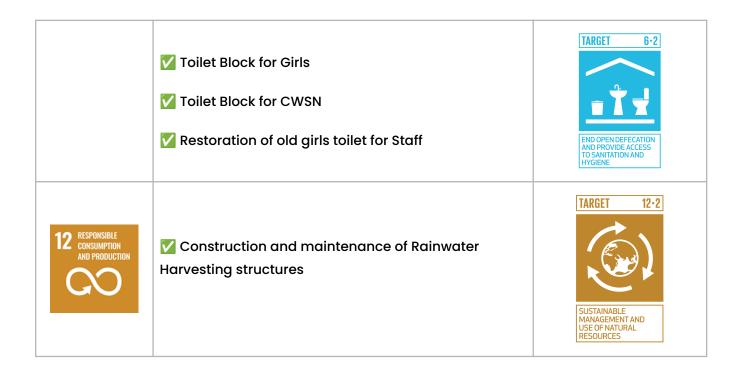
The project improved the school's ambiance and sanitation, with new electrical fittings and fixtures enhancing the overall environment. The construction of a computer lab, library and desks in classes have provided students a conducive learning environment. Additionally, initiatives like sports activities and bicycle distribution motivated students to excel academically.

Sustainability:

The project ensures sustainability through the use of durable materials, proper construction techniques, and maintenance by the cleaning staff. Environmental considerations, such as water conservation measures, further contribute to its long-term sustainability.

5.2 Alignment with SDGs

SDG	Contributing to SDG	SDG target
4 QUALITY EDUCATION	 ☑ Boundary Wall repair and BTC Fencing over it ☑ Paint inside school building and boundary wall ☑ Replacement of electrical fittings ☑ Installation of fans and lights ☑ Provision of stools for library, and dual desks for students ☑ Provision of inverter Facility for power backup ☑ Interlocking cement tiles fixing in open area ☑ Provision of Personal Computers, Projector, and HP Laser MFD Printer ☑ Stage construction for cultural activities ☑ Sports ground upkeep and sports equipment provision ☑ Ceramic floor and wall tiles in classrooms, principal office, library, and staffroom ☑ CCTV Installation 	TARGET 4·A BUILD AND UPGRADE INCLUSIVE AND SAFE SCHOOLS
	☑ Temporary teachers for subjects	INCREASE THE SUPPLY OF QUALIFIED TEACHERS IN DEVELOPING COUNTRIES
6 CLEAN WATER AND SANITATION	✓ Provision of safe and potable drinking water through RO filters	TARGET 6-1 SAFE AND AFFORDABLE DRINKING WATER



5.3 Alignment with ESG

To align with the globally accepted Environmental, Social, and Governance (ESG) principles, Orient Electric Limited has embarked on a journey towards sustainability. This strategic shift is not only enhancing the Company's competitiveness but also shaping its approach to goods, technology, processes, and business models. By integrating an ESG perspective into its operations, Orient Electric is focusing on building new competencies and capacities for long-term sustainability.

Goal	Target	Activity of the Program
Principle 2	Businesses should provide goods and services in a manner that is sustainable and safe	The project has focused on providing sustainable infrastructure improvements that enhance the safety and well-being of students and staff.
Principle 4	Businesses should respect the interests of and be responsive to all its stakeholders	The project has respected the interests of all stakeholders, including students, teachers and principal by various infrastructural developments and functional upgrades in the school.
Principle 6	Businesses should respect and make efforts to protect and restore the environment	Incorporating environmentally friendly practices, such as water conservation measures by construction of rainwater harvesting structures and plantation drive

		at school reduces the project's environmental footprint.
Principle 8	Businesses should promote inclusive growth and equitable development	The project has promoted inclusive growth by providing access to improved facilities for all students, including those from marginalised backgrounds and Children With Special Needs.

5.4 Ethical Considerations

Informed Consent: Care was taken to ensure that every participant understood the purpose, risks, and potential benefits of their involvement in the study in line with the Digital Personal Data Protection Act 2023. Participants were empowered to make their own decisions, with the knowledge that they could withdraw at any time without consequence.

Confidentiality: Respect for the privacy of participants was paramount. Measures were implemented to protect their personal information from unauthorised access or disclosure, prioritizing their trust and confidentiality throughout the research process.

Equity and Inclusivity: Efforts were made to give every community member a voice, regardless of their background. Diverse perspectives were actively sought out, and measures were taken to ensure that marginalized groups, such as women farmers or minority communities, were heard and represented in the study.

Transparency: Open and clear communication was maintained with stakeholders. Transparency about study objectives, methodologies, and potential biases fostered accountability and ensured that everyone involved understood the process.

Data Integrity: The integrity of the data was rigorously maintained to uphold the credibility of the research. Stringent data collection and analysis procedures were implemented, with documentation of sources and methodologies to ensure the reliability and validity of the findings.

5.6 Limitations of the study

• The study excluded students from class 9th during the survey questionnaire due to non availability. Classes 6th to 10th as the students had their exam on the day of the field visit and interactions with children of these classes was restricted.

6. Recommendations

•	It is recommended to provide a dedicated and reliable internet connection for digital boards
	in classrooms and computer libraries to ensure uninterrupted access to online educational
	resources. This can enhance the effectiveness of digital learning tools and improve the overal
	learning experience for students.