



GMDC: A JOURNEY TOWARDS SUSTAINABLE TOMORROW

MESSAGE



Gujarat Mineral Development Corporation Ltd. (GMDC), founded in 1963, is a major mining and mineral processing company owned by Govt. of Gujarat. It is a public listed entity (BSE & NSE) and has consistently ranked among the top PSUs in the country. GMDC always believes in responsible business with sustainable development.

With the vision to provide a robust framework for CSR initiatives in line with The Companies Act, 2013 and The Companies (CSR Policy) Amendment Rules 2021, GMDC has a visionary CSR Policy to ensure its increased commitment towards economically viable business in socially and environmentally sustainable manner with due recognition to the interest of its all stakeholders. The Policy also addresses the innovative partnership/programmes, strategic collaborations and stakeholders' engagement to promote inclusive development of the community and thus, enabling GMDC as a responsible Corporate Leader through Sustainable CSR initiatives.

To execute the CSR Policy, GMDC has established Gramya Vikas Trust (GVT) to adopt dynamic approach while addressing the complex and longstanding social issues.

In GVT, we work together to bring tangible socio-economic development, thereby improving the local community's well-being through discretionary business practices and contribution of corporate resources. Currently we have the geographical coverage of more than 400 villages under the CSR activities. With the focus on Children, Youths, Women, Rural Households, Climate Action & Environment Sustainability; GMDC GVT believes to bring a better change in the Society.

Swagat Ray
General Manager (CSR): GMDC &
CEO: GMDC GVT.

Gujarat Mineral Development Corporation Ltd. (GMDC) is one of India's leading mining and mineral processing companies. For the last six decades, GMDC has been developing ample mineral resources for the nation. GMDC is also committed to the community and local government system where it operates business.

GMDC is carefully cultivating a culture of building good relations with the community. It constantly strives to address the needs of the communities in and around its areas of operations, many of which are situated in the remotest regions of Gujarat. Over the years, GMDC is working on programs in Education, Healthcare, Drinking Water & Sanitation, and Rural Development for improving the quality of life of surrounding communities.



Believing and practicing the culture of accountable governance, GMDC established Gramya Vikas Trust on 7th January 1991 as

Public Trust with Section 12A and 80G, registered under The Income Tax Act, 1961 for various developmental activities. GMDC-Gramya Vikas Trust (GMDC-GVT) works with the vision to enhance the quality of life of communities living in the GMDC active regions through innovative partnerships/programs, strategic collaborations, and stakeholder engagement. The GMDC-GVT activities have extensive geographical coverage, and its functional area spans villages in Bharuch, Bhavnagar, Chhotaudepur, Devbhumi Dwarka, Kutch, Panchmahals, and Surat district.

GMDC-GVT operates in a complex ecosystem to implement various social development projects under different thematic areas of the list prescribed under Schedule VII of The Companies Act, 2013. GMDC-GVT has developed, tested, and replicated innovative solutions to address longstanding social issues prevalent in the remote locations where GMDC is operational. To improve the well-being of the local community, GMDC-GVT has the following focus area;

- Skill Based Ecosystem- Focused Transformation;
- Promotion Of Quality & Inclusive Education;
- Health facilities- Addressing gaps through Access & Availability;
- Drinking Water Including Integrated Water Shed Development & Sanitation;
- Ensuring Climate Action & Environment Sustainability;
- Cultural & Heritage Preservation;

and design and implement tailor-made solutions to address their issues.

GMDC- GVT's approach would be to develop and test innovative solutions to address complex social problems and leverage partnerships to scale up the impact. Its approach would to:

- Address gender diversity and inclusion of marginalized & vulnerable communities.
- Collaboration with Industry Partners and financial Institutions esp. NABARD
- Implementation through local organizations including NGOs after due diligence & GMDC guidelines
- Ethical, transparent, accountable, and sound governance practices with Result Based Monitoring Mechanism & visibility practices.

Education

GMDC believes in providing Quality & Inclusive Education to all. GMDC CSR's various educational programs foster the youth by providing access to quality education using a sustainable and holistic approach. The replicability and scalability of these educational programs ensure that more children can benefit from various initiatives and pave their way toward a bright future.

Learning by Doing: Activity Rooms & Science Laboratory



Learning by doing is one of the key theories of education. With an objective to make classroom education a successful journey, activity rooms have been created in primary schools across various project locations of GMDC under its CSR.

GMDC has supported the Village Primary Schools and has constructed activity rooms for more interactive learning. It is proven that students must interact with their environment in order to adapt and learn quickly. The activity room is an approach to aid curious minds and give wings to their imagination

Science lab equipment enables students to interact directly with the information gathered. They get a first-hand learning experience by performing various tasks and experiments independently. With an aim to improve the learning experience of High School students, GMDC has established a well-equipped science laboratory.



Enabling Education through Library:

A library inculcates curiosity, innovation, and critical thinking and endorses desirable study habits. It plays an integral part in a young student's learning process. GMDC supports the Village Library at Panchayat Office and has helped the youths build a career of their dream. Books of various competitive exams with a comfortable seating arrangement are provided under the project. More than 100 youths are benefitted from this initiative.



The GMDC-GVT has provided library resources and illustrated children's books worth over Rs. 73 lakh in project areas in its commitment to making youth future-ready.

Encouraging Girls' Education through Financial Support

Since 2012, GMDC has been running a financial assistance scheme for girls studying in higher secondary government schools in its operational mining areas. The key objective of this scheme is to mitigate the drop-out ratio of girl students from schools. The scheme is applied for Class 8 to Class 12, and funds are transferred directly into the bank accounts of the girls. As students clear each progressive grade, financial assistance increases, and those from vulnerable and backward categories are given higher assistance. Each beneficiary student receives annual assistance in the range of Rs. 4000 - Rs. 7000, depending on the standard and her socioeconomic status.



Transferring funds for financial assistance directly into the bank accounts of girls is a step towards laying the foundation for creating financial awareness and preparing them to be able to provide for their future.

Healthcare

E-clinic: Arogya Tapas Van

A mobile e-clinic facilitates access to public health care, particularly for people living in remote, challenging, underserved, and unreached areas. In an endeavor to provide access to public health care, GMDC started a mobile e-clinic in 2017.



E-clinic Arogya Tapas Vans under the GMDC CSR benefits the people of Kutch, Bhavnagar, Bharuch, and Surat districts across Gujarat. During the year 2021-22, more than 68,000 people from 76 villages around the Project Locations have benefited from the facility of the e-Clinic: Health Checkup Van.

The e-clinic model has benefited the community members, especially the elderly patients, many of whose children have migrated to other places. It provides easy initial access to medical help and also refers them to appropriate healthcare facilities for specialist needs. The e-clinic has helped communities to manage their follow-up visits, chronic conditions, and medication regime at their doorstep. It provides them with weekly screening facilities for monitoring basic parameters such as haemoglobin, blood sugar, and blood pressure.

GMDC Hospitals

GMDC cares for its employees' health and the local community near its Sites. GMDC Hospitals at Panandhro and ATPS in Kutch district provide medical facilities to all the people of nearby villages free of charge.



This ensures that better medical facilities are available to the people of the surrounding area. Well qualified Doctors and Medical staff of GMDC play a significant role in providing enhanced access to medical amenities in the Kutch region.

Integrated Water Resource Management

The importance of watershed development as sustainable agriculture and holistic rural development strategy in rain-fed areas has been identified in India for the past several decades. In recent years it has grown exponentially. As a responsible corporate, GMDC understands the importance of water and strongly believes in developing sustainable water resources surrounding its mining areas.

Pond and Check dam Deepening

Intending to increase the water sufficiency of the village, GMDC has accomplished pond deepening work at several

villages near its project locations. This will not only cater to the village water demand but will also help raise the region's groundwater table.



Check dams can strengthen the groundwater recharge, control the water velocity, and reduce the soil erosion of the surrounding area. To increase water conservation of the surrounding area, GMDC regularly undertakes Check dam deepening work.



Rural Infrastructure Development

Rural infrastructure is essential for agriculture and the overall economic development of rural areas. It also provides basic amenities that improve the quality of life. Infrastructure assets such as rural roads, High Mast Towers, Street Lights, Small bridges and culverts, etc., are needed in rural areas for the local population to fulfill their basic needs and live a productive social and economic life.



Various Rural Infrastructure Development works like high mast tower, street light, RCC road, paver block, check dam, culvert (bridge), lake deepening etc have been undertaken under GMDC CSR for overall development of rural areas near project locations.



During 2021-22, Rural Infrastructure Development Work worth Rs 2.57 crore has been undertaken under GMDC CSR.



Environment Preservation

Plantation activities near Mines Site

Green cover surrounding the mining area helps in reducing pollution level, improves the ecological conditions and prevent soil erosion to a great extent. With an aim for a better environment in the surrounding area, intensive plantation activities have been carried out near the mine area with the help of local communities under the GMDC CSR activities.



Being an organization which follows sustainable mining practices, GMDC always implements the sustainable development framework in its Mines.

Art, Culture, and Heritage

Art and Culture are significant for the development of any nation. It represents a set of shared attitudes, values, goals and practices. To preserve the rich culture and heritage of our country GMDC has undertaken the responsibility of operation and maintenance activities of the Shyamji Krishna Varma Memorial (SKVM) under its CSR.

The Shyamji Krishna Varma Memorial provides a glimpse of Late Shyamji Krishna Varma's life and his contribution to India's freedom struggle, which continues to inspire the present and future generations. He was one of the foremost freedom fighters in the history of India's freedom movement, with a high sense of patriotism and selfless service for the nation. He had organized a revolutionary center in "India House" in London and propagated the cause of India's independence through his writings in his journal "The Indian Sociologist."



GMDC feels the privilege to support the operational activities of SKVM. The Memorial was developed by Government of Gujarat with an objective to pay tribute to the contribution of Shyamji Krishna Varma and to educate the young generation about the sacrifices made by Freedom fighters.

GMDC works as an integral part of society and is sensitive to its social obligations. The GMDC-GVT activities interweave all the development indicators and work towards sustainable development in alignment with Gujarat state vision and national priorities. GMDC through GVT, has always strived to emerge as a responsible corporate leader in sustainable CSR initiatives and works inclusively with all stakeholders to achieve Sustainable Development Goals.

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5. Mussomeli, A., Ueberbauer, B. (2020). Deloitte Insights. Digital Twins. Bridging the Physical and Digital. Tech Trends 2020, Leveraging Next-generation Digital Twin Capabilities to Design, Optimize, and Transform the Enterprise. Available from: <https://www2.deloitte.com/us/en/insights/focus/tech-trends/2020/digital-twin-applications-bridging-the-physical-and-digital.html>
6. Mori, L., Saleh, T., McKinsey&Company. (2018). Unlocking the Digital Opportunity in Metals. Metals and Mining Practice. Available from: https://www.mckinsey.com/~media/McKinsey/Industries/Metals%20and%20Mining/Our%20Insights/Unlocking%20the%20digital%20opportunity%20in%20metals/Unlocking-the-digital-opportunity-in-metals_Jan-2018.pdf (Accessed 9 October 2020).
7. Source: Accenture and Dassault Systèmes research based on commercial data, 2020.
8. Altran. 2020. Digital Twins: Creating Digital Operations Today To Deliver Business Value Tomorrow. [online] Available at: https://www.altran.com/as-content/uploads/sites/5/2019/09/digital-twin-povwhitepaper_v7.pdf.
9. Rocca, R., Rosa, P., Sassanelli, C., Fumagalli, L. and Terzi, S., 2020. Integrating Digital Reality and Digital Twin in Circular Economy Practices: A Laboratory Application Case. Sustainability, 12(6), p.2286.

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climate statement to call for a "phase down" of coal use instead of a "phase out."

At the time, few would have predicted just how expensive the fuel would become. Just a year ago, the biggest international mining companies — excluding Glencore — were in a full retreat from coal, deciding the paltry returns were not worth the increasing pressure from investors and climate activists.

When Anglo American Plc spun off its coal business and handed it over to existing shareholders, one short seller, Boatman Capital, said the new business was worth nothing. Instead the stock — known as Thungela Resources Ltd. — skyrocketed, gaining more than 1,000% since its June 2021 listing, with first-half earnings per share up about 20-fold.

Glencore itself snapped up a Colombian mine from former partners Anglo and BHP Group. The nature of the deal, and rising coal prices, meant Glencore essentially got the mine for free by the end of last year. In the first six months of this year, it made \$2 billion in profit from that one mine, more than double its entire coal businesses earnings in the same period last year.

The earnings look set to keep rolling in, as analysts and coal executives say the market will remain tight. "As we stand today, we don't see this energy crisis going away for some time," Glencore Chief Executive Officer Gary Nagle said.

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