



Impact Assessment Study of CSR Projects of Bharat Dynamics Ltd for the FY 2020-21

EXECUTIVE SUMMARY

Project 1: Setting up of Drain Treatment Plant (1.5 MLD STP) at Naval Base

More than 5 MLD of sewage water – domestic and industrial waste – flows from the Malkapuram, Naval Quarters, Sriharipuram, Scindia neighbourhoods, and other places and adjoins at Bay of Bengal Ocean near the Naval Command, severely polluting the ocean. As a result, Eastern Naval Command (ENC), Visakhapatnam, approached BDL to support the establishment of a 1.5 MLD drain water treatment plant at its command area nearby by Bay of Bengal Ocean during 2019-20. Based on the eastern command request, BDL sanctioned Rupees 200 lakhs for a drain water treatment plant with a capacity of 1.5 MLD. IGIAT, Visakhapatnam executed the project in 2020-21 and 2021-22.

Objective of the Project

To establish 1.5 MLD at Naval Base in Visakhapatnam to treat sewage water and thereby water 'naval base plants' with this treated water.

Project Outcome

ENC was procuring water from GVMC -Visakhapatnam, for Gardening purposes. After the establishment of the Drain Water Treatment Plant, the water utilization from GVMC to ENC Command Area has been reduced by the utilization of treated water for greenbelt development.

Project 2: Smart Class Rooms in Govt. Schools (digital learning) - Visakhapatnam (Aspirational Dist.), AP

The student-teacher interaction using smart classroom teaching technology interface is more robust today and helps students to grasp subjects better. Based on requests of concerned education departments and public representatives of Visakhapatnam, Bharat Dynamics Limited allocated Rs. 200 lakhs for installing digital classroom systems in selected government schools of the Visakhapatnam district (Aspirational District, AP) during 2020-21. BDL installed 37 smart classroom systems in first phase and second phase installation process in progress.

Objective of the Project

To empower government schools digitally by providing smart classroom systems in selected government schools of the Visakhapatnam district (Aspirational District, Andhra Pradesh).

Project Outcome

The smart classroom systems made significant changes in classroom teaching, students' learning environment, academic performance and quality of education in schools.

Project 3: Developmental activities at Vizianagaram (Social Welfare Hostel Building), Aspirational District, Andhra Pradesh

The government's social welfare hostels in the Vizianagaram district faced many problems due to the run-down condition, which resulted in a steep decline in hostel enrolment. The hostels'



physical conditions had dilapidated structures. There was also a shortage in facilities of kitchen sheds, dining halls, safe drinking water, bathrooms, toilets, etc. As a result, students faced severe hardship with hostel facilities. To improve these conditions, public representatives, the district collector, and the social welfare officer requested BDL for financial support to construct a new girls' hostel building in Vizianagaram town, upgrade infrastructure and undertake repairs at nine selected social welfare hostels in the Vizianagaram district (Aspirational district, AP) during 2019-20. Based on their request, BDL allocated Rs. 200 lakhs and successfully completed the project during 2020-21 and 2021-22.

Objectives of the Project

- i) To provide a permanent building for the government social welfare girls' college hostel to improve the facilities
- ii) To strengthen government social welfare hostels by taking up various developmental activities and repairing works

Project Outcome

This project strengthened the hostels' basic infrastructural facilities. This project positively impacted students' habits due to the creation of proper facilities, such as clean bathrooms, toilets, safe drinking water, sanitation, and kitchen and dining facilities.

Project 4: Smart Class Rooms in Govt. Schools (digital learning) - Vizianagaram (Aspirational District, Andhra Pradesh)

To bridge the gap in digital education between government and private schools, BDL identified 75 government schools and installed smart classroom systems in the Vizianagaram district (Aspirational district, Andhra Pradesh) in 2020-21 and 2021-22. BDL initiated this project in two phases based on requests from the district collector, Vizianagaram, and other stakeholders. The cost of the project was Rs. 200 lakhs.

Objective of the Project

To empower government schools digitally by providing smart classroom systems in selected government schools of the Vizianagaram district (Aspirational District, Andhra Pradesh).

Project Outcome

The smart classroom systems made significant changes in classroom teaching, students' learning environment, academic performance and quality of education in schools.

Project 5: Construction of Choultry at MNJ Institute of Oncology & Regional Cancer Center (3rd floor + lift)

The MNJ Institute of Oncology is one of the Regional Cancer Centres in Hyderabad and is one of the finest hospitals in the country devoted to diagnosis, treatment, and cancer management. The MNJ Cancer Hospital was the third cancer hospital in the country and was started in 1955. The center is a 250-bed comprehensive tertiary cancer centre. Approximately 10,000 new cancer patients are registered every year. More than 150,000 patients come for follow-ups every year. The majority of patients travel from states like Telangana, Andhra Pradesh,

Maharashtra, Karnataka, Chattishgarh, and others to receive various cancer treatments. Due to their precarious financial circumstances, cancer patients require free housing and food services. This is the major reason the MNJ Cancer Hospital, with the help of donors and numerous other sources, offers free lodging and food services to cancer treatment patients and their accompanying family members. Similarly to this, The MNJ Cancer Hospital requested Rupees 150 lakhs in CSR funding from BDL to build a third floor with a lift on top of the existing choultry. The hospital had already built two floors of choultry earlier. BDL considered the MNJ cancer hospital's request and allotted Rs. 150 lakhs on 26th March 2021. 60% of the project work was finished as of March 2023.

Objective of the Project

To extend cancer treatment patients and their supporting family members' accommodation facilities by expanding the 3rd floor with a lift facility on existing choultry.

Project 6: Construction of School Building at ZPHS high school, Bhanur, Patancheru Mandal, Sangareddy district

Zilla Parishad High School (ZPHS), Bhanur, is a co-education school started in 1989. The school has played a pivotal role in changing the public education setup of Bhanur village, a rural village in the Sangareddy district of Telangana state. The total strength of the school is 145 (75 boys + 70 girls). Public representatives, villagers, concerned education department officials, and the school committee sought BDL's support to strengthen classroom facilities to provide modern and sophisticated education to the student community. Earlier, the ZPHS High School, Bhanur, was operating in a dilapidated building with insufficient space for classroom instruction, sports, and other extracurricular activities. The project is important because it built large classrooms, laboratories, digital classrooms, libraries, student recreation halls, staff rooms, toilets, and other facilities. The cost of the project was Rs. 324 lakhs.

Objective of the Project

To strengthen high school education in Bhanur village by constructing a new building for ZPHS high school-Bhanur.

Project Outcome

- The project enhanced the teaching methods and learning outcomes because of better facilities created.
- The project positively resulted in the overall development of the students' academic and general health.

Project 7: Distribution of Dual Desks to Govt. Schools

The administrators of the Cherlapalli and Chanchalguda central prisons explored several concepts and initiatives to bring awareness and provide opportunities for jail inmates. The convicts are strongly encouraged to engage in multiple activities like making chairs, dual desks wooden furniture, detergents, pooja materials, carpets, bed sheets, bakery products, etc. In a similar vein, for the past seven years, BDL through its CSR has approved a project to manufacture dual desks for supply to various Government run schools through the district administration.



The project under reference for the year 2021-22 was allocated to Chanchalguda jail for the “manufacturing of dual desks”. According to the availability of dual desks as per BDL CSR work orders in the specific fiscal year, concerned authorities deliver the dual desks to schools after receiving authorizations from concerned district educational departments. This project supported 134 government schools’ furniture requirements and benefitted more than 7000 schoolchildren in Bhadradi-Kothagudem (Aspirational District) Telangana, and Secunderabad during 2021-22 and 2022-23.

Objective of the Project

To provide employability to inmates of Chanchalguda central jail by engaging them in manufacturing dual desks and thereby supplying these desks to selected government schools in Telangana State.

Project Outcome

- Inmates’ attitudes changed as a result of this project, which allowed them to focus on developing their careers while incarcerated.
- This project enhanced the seating facilities of school children and thereby improved their concentration levels.

Project 8: Construction of Girls Toilets in Govt. Schools of Rajanna Sircilla District

The primary, middle, and high schools in Rajanna Sircilla District lacked proper school infrastructure, including classrooms, compound walls, urinals, toilets, etc. As a part of Swachh Vidyalaya and Swachh Bharat Abhiyan, the district official felt the need for girls’ toilets in select government schools in the district and approached BDL. Meeting the demand, BDL allocated Rs. 200 lakhs for constructing 64 girls’ toilet blocks in selected thirty-nine primary, middle, and high schools in two phases. The first phase of toilets construction was completed in September 2020, and the second phase in 2022-23. Each toilet block has five squatting-type urinals and two IWC toilets, necessary hand washing basins, taps, running water provision, etc. 1400 primary school girls, 1400 high school girls, and 200 upper primary school girls benefitted from the project.

Objective of the Project

To strengthen girls’ toilet facilities at selected government schools in the Rajanna-Sircilla district of Telangana state by constructing toilets.

Project Outcome

- The project has reduced open defecation in schools
- The project has provided sufficient girls’ toilet blocks to government schools in the Sircilla Rajanna district
- The project has enhanced excellent sanitation habits among school children as they began using the newly constructed toilets
- The project has helped school children become more aware of the need for clean water, sanitation, and sanitary practices.