

SUMMARY SHEET OF IMPACT ASSESSMENT CARRIED OUT BY KAIGA PROJECT

Sr. No.	Project Code	Project Title	Cost of the Project in lakh Rs.	Completion Date	Name of the Agency carried out IA
1.	KGSS/EDU/2018-19/6	Augmentation of teachers in schools	106	24-08-2021	Department of Social Work, Mangalore University
2.	KGSS/INF/2019-20/5	Development of roads	264	31-12-2020	
3.	KGSS/INF/2020-21/2	CC roads at various locations	237	01-01-2022	
4.	KGSS/INF/2021-22/4	Road surfacing at Mallapur	575	03-03-2023	
5.	KGSS/INF/2021-22/1	Construction of village roads within 16 km radius of Kaiga site	205.23	01-06-2022	
6.	KGSS/INF/2021-22/2	Procurement of Boats, Fire pumps and other items pertaining to rescue operation during flood	112.17	30-06-2022	
7.	KGSS/INF/2019-20/8	Rehabilitation of flood victims	250	09-02-2021	
8.	KGSS/HLT/2020-21/1	Mallapur Health Centre	301.22	31-03-2021	
9.	KGSS/HLT/2020-21/4	Uttar Kannada district- Covid-19	100	29-03-2021	
10.	KGSS/HLT/2021-22/4	Procurement of essential medical equipments towards COVID19 management containment measures at Raichur	171	03-01-2024	
11.	KGSS/EDU/2017-18/7	Vidyavahini	175	24-08-2021	



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National Power Corporation of India

IMPACT ASSESSMENT OF CSR ACTIVITIES OF NPCIL FOR KAIGA GENERATING STATION



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DECLARATION

I hereby declare that the project report titled **“Impact Assessment of CSR Activities of NPCIL for Kaiga Generating Station”** Is a part of study sponsored by **NPCIL Kaiga** to prepare and impact assessment and give a report on CSR activities of NPCIL.

The team has visited the site conducted the field investigation and prepared the report. I am submitting the original work of the study.

Prof. P. G Aquinas

Chief Investigator

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ABBREVIATION

CSR	-	Corporate Social Responsibility
HPS	-	Higher Primary School
ICU	-	Intensive Care Unit
LPS	-	Lower Primary School
MHC	-	Mallapur Health Centre
MMHU	-	Mobile Medical Health Unit
MoU	-	Memorandum of Understanding
NGO	-	Non-Governmental Organization
NPCIL HQ	-	Nuclear Power Corporation of India Limited Headquarters
NPCIL	-	Nuclear Power Corporation of India Limited
NPP	-	Nuclear Power Plant
NPS	-	Nuclear Power Station
PDO	-	Panchayth Development Officer
PPE	-	Personal Protective Equipment
RTPCR	-	Reverse Transcription-polymerase Chain Reaction
SIC	-	Supervised Isolation Centre
TISS	-	Tata Institute of Social Science

IMPACT ASSESSMENT OF CSR ACTIVITIES OF NPCIL FOR KAIGA GENERATING STATION

Introduction:

The Nuclear Power Corporation of India Limited (NPCIL) Kaiga, has undertaken a wide spectrum of Corporate Social Responsibility (CSR) initiatives that reflect a deep commitment to holistic community development in the surrounding areas of its operations. These initiatives are strategically designed and implemented across multiple sectors health, education, environment, rural infrastructure, livelihood, women empowerment, and disaster management aligning with the larger vision of inclusive growth and sustainable development. In the healthcare sector, significant contributions include the establishment of the Mallapur Health Centre and Mobile Medical Health Unit, water infrastructure development, support during COVID-19, and conducting eye camps and surgeries. These efforts aim to improve health outcomes and ensure access to essential medical services for remote and underserved populations.

In the realm of education, NPCIL Kaiga has supported both physical infrastructures such as school and Anganwadi buildings and academic needs through the provision of study materials, transport facilities, and digital smart boards. Environmental sustainability is fostered through unique efforts like fish seeding, the development of a butterfly park, and training in apiculture. Simultaneously, infrastructure development includes the construction of community halls, roads, and libraries, facilitating better connectivity and community engagement. NPCIL has also invested in skill development and livelihood generation through training in tailoring, computer literacy, and non-forest product manufacturing especially empowering women. In disaster management, timely provision of rescue boats and rehabilitation support during floods underscores NPCIL's proactive and responsive role. Collectively, these CSR interventions demonstrate the corporation's commitment to building resilient, educated, and self-reliant communities in and around the Kaiga Generating Station.

1.1 The Vision, Mission and Objectives of the CSR Activities of the NPCIL – Kaiga:

Vision: Communicate, educate, enhance awareness and build relationship with public.

Mission: Contribute for community development by providing education, healthcare and infrastructure facility to neighboring villages and up lift the quality of life of surrounding people.

Objectives: To continue and strengthen the neighborhood welfare programme /CSR activities for achieving inclusive growth of surrounding population.

1.2 Aim of the Project: The aim of the study is to explore CSR activities of NPCIL in Kaiga area of Karwar District, and other issues lead to leads to the benefit/ problems of people living around the plant specifically in areas of health and livelihood and other areas vis a vis the CSR of the corporation.

1.3 Statement of the Problem: Land and other Social effects are the price one has to pay for getting clean energy for development and nation building. Though such developmental projects are very necessary from the point of view of development. In other words, we have to gage the social aspect of the project and take the people into confidence so that they may understand the need for the power plant and also take precautions to protect themselves and also not fall prey to misinformation that may be generated. Hence, it is imperative to briefly analyze the issue and concerns and address the problems so that it may result in a win-win situation for both the organization and the stakeholders and the company may also understand what CSR they may take up to build a symbiotic relationship with the society around which they are located.

1.4 Conceptual Framework: The Kaiga Site is located besides the Kali River basin in Uttar Kannada district. The Kaiga Generating Station has been operational for the past 25years.

The study is to see/gage the impact of the CSR projects taken up by NPCIL Kaiga on life of villagers and to understand the social aspirations of the people living in and around. The second issue to be pursued in the proposed study is poverty, which primarily is a social phenomenon. As poverty has remained a perennial problem it needs to be addressed by the organization and make the society around its operations gain in terms of getting the fruits of the development efforts of the organization and how people can benefit for such mega projects.

1.5 Research Methodology: The proposed study is descriptive and exploratory in design. The purpose of such design is to describe the socio-personal background of people living near the Kaiga site like family size, educational level, pattern of income and expenditure, and to explore the major forms of issues and concern faced by them

in social, cultural, and economic spheres as well as the nature and extent of how their needs could be met. A number of social institutional indicators are applied to explore the nature and forms of social issues of the villages under study and generate data that could be used in the future by the company.

The proposed study will include primary discussion with the company officials, preparation, data collection and analysis and report writing and presentation. Data will be collected from respondents and will have scheduled meetings with villages/ blocks and households. Data will be collected through interviews and focus group discussions.

The data will be both qualitative and quantitative. The assessment is done to take up CSR projects by the funding organization and understand the impact on the target population.

2. The details of the proposed data collection:

Interview and Group Discussion with residents and groups in the area of study.

Case study from the villagers with an objective of improving the quality of life of the communities and make presentation on those cases.

2.1 Universe of the Study: The purpose of this study is to enable the organization to know the place where they are operating and to know the needs and aspirations of the people in the region.

This study is proposed to be held in geographical areas in and around KGS/Township (16 KMS Radius) as determined by the funding organization.

2.2 Study Area and Sample Size: The study will be carried out in and around KGS/Township in Uttar Kannada districts of Karnataka state. For the purpose of data collection, three-stages sampling will be adopted. The study will be selected equally from different communities/ tribal groups.

Random sampling methods will be used to select the respondents and from any list that is provided by the funding agency. To exclude the bias and make it minimum, local representatives and village community elders and other important people will be surveyed.

2.3 Sources of Data Collection: The study is based on both the primary and secondary sources of data collection (including company records). To study the objectives that may be given by the funding organization. The primary sources of data are the interview and the case study methods. Data will be collected with the help an Interview-Schedule consisting of both the structured and unstructured questions which will not be asked to the respondent exactly in the way outlined in the inventory or Schedule. In the case studies, the selected cases-respondents have narrated a few significant events pertaining to their life will be considered. Similarly, in the case of secondary source of data, the data will be collected from all the relevant documents like reports of the concerned departments and institutions, commissions, censuses, besides journals, magazines, newspapers, books, bulletins, electronic media, etc. The researchers conducted a preliminary study to ascertain how to conduct the impact assessment. The framework includes the resources available and how to get the objectives measured. As it is a CSR study the objectives were measured. As it is an impact assessment study of the CSR activities conducted by NPCIL, the results would be tabulated according to short term results.

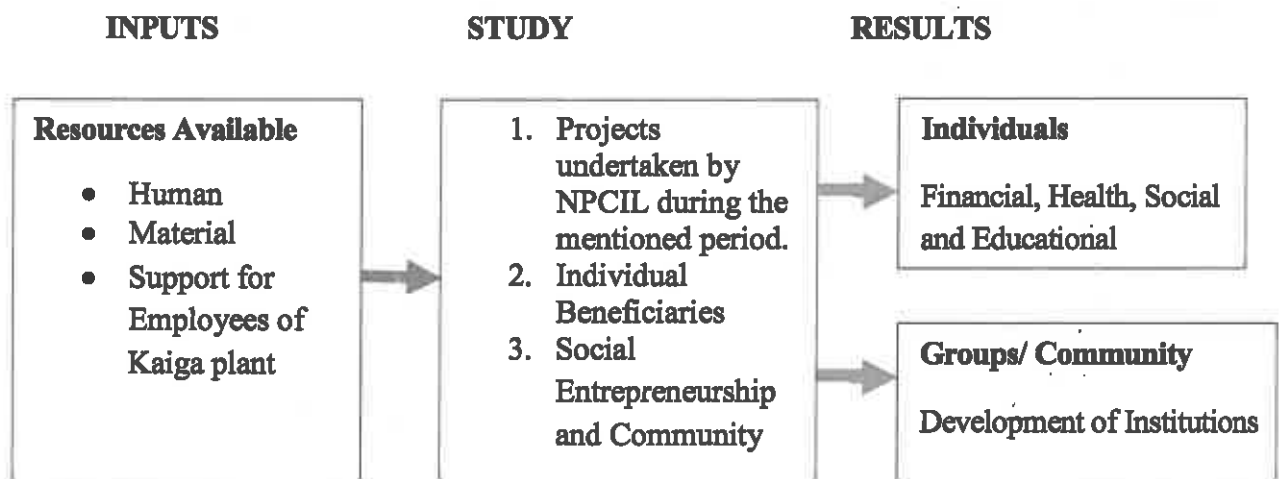


Fig: 1 Methods adopted for Data Collection

2.4 Funding of CSR activities: 2017 to 2023:

Amount Utilized for CSR Activities

Financial Year	CSR Amount Spent
2017-18	6,76,58,226
2018-19	8,44,38,535
2019-20	13,51,53,310
2020-21	13,51,53,310
2021-22	12,01,63,363
2022-23	16,11,75,462
2023-24	9,77,78,878

Fig-2: Funding of CSR activities

2.5 Management & Governance of CSR activities:

Implementation/Execution

Once the CSR activities are identified, approved and budgeted, Agencies could be made to work singly or in tandem with other agencies. Such agencies could be: Mahila Mandals/Samities and the like Institutes/Academic Organizations

Elected Local bodies such as Panchayats

Trusts Missions etc. and Voluntary Agencies (NGO's)

The agencies should have clean track records. To the extent possible the panel of such agencies will be prepared. Also to increase effectiveness of the implementation of the problem as per policy intent the consultancy and advisory service of the reputed institutions like TISS Institution of Chartered Accountants etc. may be sought as per requirement.

Initiatives of State Government, District Administration, and Local Initiatives if State Government department, self-help groups etc. would be dovetailed /synergized with the initiatives taken by units. Duplication of CSR activity under taken by that of the programme run by Central, State Government or Local Government to be avoided.

2.6 Monitoring: Monitoring of the CSR activities and Rehabilitation and Resettlement (R&R)

plan is very crucial for implementation and this has to be a periodic activity of the Unit. With regard to Projects, Site Directors/Project Directors and for the operating stations Site Director/Station Director shall oversee the implementation of the CSR R&R plan sanctioned

and their substance. The committee constituted by unit head will plan, implement and monitor the progress of all CSR & R&R activities at Site and ensure the timely utilization of fund. Monthly progress report will be reviewed by the Unit Heads at the station /Projects. Reviewed progress report will be sent by the Project/ Station to ED (R&R). Consolidation and complete review of the progress will be made by the ED (R&R) and feedback will be sent to concerned station/Projects accordingly. Further, the implementation of CSR activities and R&R plans and their progress will be placed before the Board of Directors for their kind information at the beginning of the financial year and also at the end in respect to the accomplishment of the same.

2.7 Responsibility of CSR Committee:

1. Development and implementation of R&R and CSR directorate organization, responsibilities and functions at NPCIL headquarters:

1.1 Providing support to NPCIL sites in evolving R&R and CSR

Organizational structure.

1.2 Defining linkages and interfaces between NPCIL HQ and Sites.

1.3 Ensuring close coordination with NPCIL sites in development and

implementation of R&R and CSR programmes. Providing necessary guidance and support as needed in achieving the NPCIL objectives and obtaining periodic feedback from each site and effecting of mid-term corrections based on the same.

2. Development and implementation of R&R and CSR policy of NPCIL.

3. Development and implementation of short, medium and long term goals, objectives and plans for CSR/R&R and evolving of community Relation Strategies on a sustainable basis.

4. Development of procedures and guidelines in respect of R&R and CSR at NPCIL HQ and Projects/Stations.

5. Identification of needs of the community around NPCIL sites through systematic base line surveys and carrying out analysis for evolving of R&R and CSR programmes through concerned Site Directors/Station Directors/Project Directors.

5.1 Development and Finalization of R&R package in consultation with the concerned state govt. in accordance to prevalent R&R guidelines in respect of each new site.

5.2 Interaction with the concerned State Govt./Central Govt. authorities/nodal agencies, NGOs and other organizations periodically and as required implementing of the NPCIL plans on R&R/CSR.

6. Monitoring, evaluation, budgeting of R&R and CSR activities at NPCIL HQ and sites.

7. Organizing the Expert Advisory Committee and R&R and CSR Committee meetings and initiating actions thereof based on review and approvals.

8. Appraisal to the NPCIL Top Management and the Board regarding the progress on the various activities.

9. Integration of Environment and the society by evolving appropriate programmes (such as Green belt development in the surroundings of Nuclear Power Station (NPS)/Tree plantation) and mechanisms.

10. Fostering a community development culture among the NPCIL employees, Mega Package contractors and their sub-contractors by evolving sustainable programmes and mechanisms.

11. Appointment of credited agencies for CSR/R&R social audits

3. CSR activities of NPCIL Kaiga sector wise

3.1 Health:

- Operationalizing of Mallapur Health Centre (MHC) and Mobile Medical Health Unit (MMHU)
- Construction of Over Head Water Tank
- Construction of drinking water filtration plant
- Construction of open well
- Eye Camps & surgeries
- Oxygen Generating plant at Yadgir District
- Support to Uttara Kannada District during COVID-19.
- ICU equipment to Raichur District

3.2 Education:

- VidyaVahini transport facility for school going children
- Establishment of Prayogalaya
- Supply of study materials, Notebooks, Umbrella etc
- Supply of Peanut chikkis
- Construction of School building
- Construction of Anganwadi
- Establishment of Smart boards

- Supply of Library books and furniture
- Supply of desks
- Augmentation of Teachers
- Coaching Classes

3.3 Environmental sustainability:

- Releasing of fish seedling into Kali Reservoir
- Kaiga Bird Marathon
- Training & Distribution of Honey Bee Boxes
- Distribution of Coconut tree climbing machines
- Development of Orchidarium
- Development of Butterfly Park

3.4 Rural Infrastructure:

- Construction of Multi-purpose hall
- Construction of foot bridge and road bridge
- Construction of CC roads
- Construction of library building

3.5 Livelihood & Woman Empowerment:

- Tailoring
- Computer training
- Training in manufacturing of non-forest products
- Training & Distribution of Honey Bee Boxes
- Non-Destructive Testing (NDT) training

3.6 Disaster Management

- Boats & Rescue Items provided to District Administration.
- Rehabilitation of Flood Victims in Uttar Kannada District.

4. The Analysis of Data Collection and the tools adopted for the study:

The researchers have adopted for the collection of data both primary and secondary sources of data as given in the research methodology section. In this study the data is collected in both qualitative and qualitative basis.

4.1 Primary Data: The primary data will be done in the field and data collected during the pilot study as well as the main study will be considered. The primary data collected through the pilot study will be refined and if there is any shortcomings it will be refined and then the researchers will go into the main study.

4.2 Secondary Data: The secondary data will include the material collected from the NPCIL websites, discussions with officers of the corporations, CSR Annual Report, media reports etc.

4.3 Tools of Data Collection: Survey questionnaire to assess the impact of project in the lives of people in and around the plant was developed. The data will be collected through a survey questionnaire, an interview schedule and also through interview of the beneficiaries. The participants were identified by the random sampling as per the inclusion criteria. The responses were to be recorded by the investigator manually and through an interview after looking into the aspect of ethics of data collection. Observation as a method will also be used.

Suitable statistical methods will be adopted to analyze the data so collected. Documentary evidence in photographs, videos etc. will also be presented to understand the assessment of the CSR activities in a more user friendly way. An executive summary will also be provided along with suitable appendix.

5. The Study undertaken by the researchers in the following areas of the study

5.1 Health:

Within its Corporate Social Responsibility (CSR) activities, Nuclear Power Corporation of India Limited (NPCIL) places a strong emphasis on improving healthcare services, particularly in underserved rural areas. The Mallapur Health Centre stands as NPCIL's flagship healthcare initiative, demonstrating a commitment for enhancing access to quality healthcare, promoting preventive healthcare measures, and fostering community well-being. Through strategic partnerships, infrastructure investments, and healthcare interventions, the Health Care Centre serves as a beacon of hope and healing for residents of Mallapur & surrounding villages.

A. Operational of Mallapur Health Centre (MHC) and Mobile Medical Health Unit (MMHU)

The Mallapur Health Centre offers a comprehensive range of healthcare services aimed at addressing the diverse health needs of the local population. Staffed by skilled healthcare professionals, including doctors, nurses, and paramedics, the Health Centre provides primary healthcare, preventive services, diagnostics, treatment, and referrals to specialized care when needed. From routine check-ups and immunizations to

emergency care and chronic disease management, residents have access to essential healthcare services that promote health, prevent illness, and alleviate suffering.

Moreover, the Mallapur Health Centre prioritizes community health education, awareness campaigns, and preventive screenings to empower individuals and families with knowledge, skills, and resources for healthy living. Through health camps, workshops, and outreach programs, residents learn about disease prevention, nutrition, hygiene, reproductive health, and lifestyle modifications, fostering a culture of wellness and self-care within the community.

State-of-the-Art Infrastructure and Facilities:

Infrastructure investments play a critical role in enhancing the capacity, efficiency, and effectiveness of healthcare delivery at the Mallapur Health Centre. NPCIL's CSR initiatives have facilitated the construction and equipping of modern healthcare facilities, including hospitals, clinics, diagnostic Centres, and telemedicine units, equipped with state-of-the-art medical equipment, laboratory facilities. These facilities are designed to meet standards of healthcare delivery and patient care, ensuring optimal outcomes and patient satisfaction.

Community Engagement and Empowerment:

Central to the success of the Mallapur Health Centre is its strong emphasis on community engagement, participation, and empowerment. The health sector actively involves local stakeholders, including community leaders, village health committees, and patient advocacy groups, in decision-making processes, program planning, and evaluation. By fostering partnerships and collaboration, NPCIL creates a sense of ownership, trust, and accountability within the community, ensuring that healthcare interventions are culturally sensitive, contextually relevant, and responsive to local needs and preferences.

Moreover, the Mallapur Health Centre promotes community-based approaches to healthcare delivery, harnessing the strengths and resources of the community to complement formal healthcare services. Trained community health workers, volunteers, and peer educators serve as intermediaries between healthcare providers and the community, facilitating health promotion, disease prevention, and care coordination. Additionally, the health sector promotes social inclusion, gender equity, and rights-based approaches to healthcare, ensuring that vulnerable and marginalized

populations have equitable access to healthcare services and are treated with dignity and respect.

The Mallapur primary health centre established under the NPCIL CSR Project in 2012. During their visit, researchers engaged with the Coordinator, Medical Officer & Medical Staff delving into the range of healthcare services offered under the CSR initiative.

The Mallapur primary health Centre services encompass a holistic approach to healthcare, including preventive measures, disease diagnosis and treatment, ambulance services, community outreach programs, and round-the-clock healthcare provision through a 10-bed hospital. Additionally, the Centre extends its reach through mobile healthcare units, ensuring healthcare accessibility beyond its fixed location.

Through interactions with community members, researchers gleaned insights into the significant impact of not only the Health Centre but also other CSR endeavors on the local populace. One notable aspect highlighted by the researchers was NPCIL's provision of a well-equipped laboratory within the hospital premises. This laboratory infrastructure enhances the community's access to crucial diagnostic services, effectively bridging the gap between healthcare needs and provision.

Medical Officer Mr. Kiran elucidated on the availability of a diverse range of medicines, including generic and allopathic medications, within the hospital. This comprehensive medication stockpile underscores NPCIL's commitment to ensuring the community's healthcare needs are met comprehensively and affordably.

In essence, the NPCIL Kaiga Project, through the Mallapur Health Centre, stands as a beacon of community-centric healthcare provision, addressing not only immediate medical needs but also striving towards long-term health and well-being for the local populace.

- B. Construction of drinking water filtration plant:** The saying “getting healthy and safe drinking water is the dream of every citizen” and it became true by the initiative taken by NPCIL Kaiga and village panchayat together. Thus drinking water filtration was constructed in Mallapur Grampanchayat and people are able to get pure drinking water. Access to safe and clean drinking water is a fundamental human right essential for maintaining health and well-being. However, in many rural communities, the lack of proper water infrastructure poses significant challenges, exposing residents to waterborne diseases and contamination. Recognizing the importance of addressing this

critical need, NPCIL Kaiga, in collaboration with the village panchayat, Mallapur undertook the initiative to construct a drinking water filtration plant in Mallapur Gram panchayat. This endeavor has not only realized the long-standing dream of the community for safe drinking water but has also set a precedent for effective partnership and community-driven development.

- **Addressing the Dream of Safe Drinking Water: (Construction of drinking water filtration plant)**

The construction of the drinking water filtration plant in Mallapur Gram panchayat represents a transformative milestone in the community's quest for safe and healthy drinking water. Prior to the establishment of the filtration plant, residents faced numerous challenges associated with water quality and contamination. Many relied on untreated water sources such as open wells or boreholes, which were susceptible to pollutants and microbial pathogens. As a result, waterborne diseases were prevalent, posing significant health risks, particularly for vulnerable populations such as children and the elderly.

The initiation of the drinking water filtration plant by NPCIL Kaiga and the village panchayat signifies a concerted effort to address these challenges and improve the overall well-being of the community. By harnessing advanced filtration technologies and water treatment processes, the plant ensures that water supplied to households meets stringent quality standards, free from harmful contaminants and impurities. This transformative intervention not only fulfills the basic need for safe drinking water but also fosters a culture of health, hygiene, and resilience within the community.

- **Collaborative Partnership and Community Engagement:**

The successful implementation of the drinking water filtration plant project in Mallapur Gram Panchayat exemplifies the power of collaborative partnership and community engagement in driving sustainable development outcomes. NPCIL Kaiga's commitment to corporate social responsibility and community welfare, coupled with the proactive involvement of the village panchayat and local stakeholders, has been instrumental in overcoming logistical, financial, and institutional challenges. Through inclusive planning, consultation, and participation, the project reflects a shared vision and collective ownership of improving water infrastructure and public health outcomes.

Moreover, the construction of the drinking water filtration plant has catalyzed broader socio-economic benefits for the community, including job creation, skill development, and enhanced livelihood opportunities. Local residents have been actively involved in various aspects of the project, from construction and maintenance to operation and management, thereby fostering a sense of ownership, empowerment, and capacity-building. This participatory approach not only strengthens social cohesion and community resilience but also ensures the sustainability and long-term viability of the filtration plant as a vital public utility.

Impact on Public Health and Well-being:

The establishment of the drinking water filtration plant in Mallapur Gram panchayat has had a profound impact on public health and well-being, significantly reducing the incidence of waterborne diseases and improving overall quality of life. By providing access to clean and safe drinking water, the plant safeguards the health of community members, particularly vulnerable groups such as children, pregnant women, and the elderly. The elimination of waterborne pathogens and contaminants minimizes the risk of gastrointestinal infections, diarrheal diseases, and other water-related ailments, leading to improved health outcomes and reduced morbidity rates.

Furthermore, the availability of safe drinking water promotes hygiene practices, sanitation, and disease prevention measures within households and the broader community. Residents no longer have to rely on unreliable or untreated water sources, thereby avoiding potential health hazards and environmental risks. As a result, productivity levels increase, school absenteeism decreases, and overall quality of life improves, fostering a virtuous cycle of health and prosperity. The drinking water filtration plant serves as a beacon of hope and progress, symbolizing the transformative impact of collective action and responsible stewardship in advancing public health and community development. Lastly the construction of the drinking water filtration plant in Mallapur Gram panchayat by NPCIL Kaiga and the village panchayat exemplifies a paradigm of proactive leadership, partnership, and community-driven development. By realizing the dream of safe and healthy drinking water for all residents, the project underscores the intrinsic value of water as a basic human right and a cornerstone of sustainable development. Through collaborative efforts and inclusive engagement, NPCIL Kaiga and the local community have not only addressed a critical socio-economic need but have also laid the foundation for a

healthier, more resilient, and empowered society. As a testament to its success, the drinking water filtration plant stands as a testament to the transformative power of collective action and the enduring legacy of shared prosperity and well-being.

- C. Infrastructure facilities to Uttar Kannada District Government Hospitals pertaining to COVID19. As part of its Corporate Social Responsibility (CSR) initiative, the Nuclear Power Corporation of India Limited (NPCIL) - Kaiga extended crucial support to government hospitals in Uttara Kannada District during the COVID-19 pandemic. This initiative aimed to strengthen healthcare infrastructure, enhance medical facilities, and improve patient care to combat the challenges posed by the pandemic.

Key Areas of Support:

1. Procurement of Medical Equipment: 1. To ensure efficient patient treatment, NPCIL-Kaiga funded the purchase of Ventilators & Oxygen Concentrators – Essential for critical COVID-19 patients requiring respiratory support. ICU Beds & Patient Monitors – Upgrading intensive care units (ICUs) to accommodate severe cases.

2. Establishment of Oxygen Supply Systems: Setting up oxygen generation plants in hospitals to ensure a steady oxygen supply. Medical oxygen cylinders and pipelines for uninterrupted oxygen support.

3. COVID-19 Testing and Diagnosis Support: RT-PCR and Rapid Testing Kits – Enhancing the district's testing capacity. Diagnostic Equipment – Such as digital X-ray machines and portable ultrasound units to detect COVID-related complications like pneumonia.

4. Strengthening Hospital Infrastructure: Establishing temporary COVID-19 isolation wards in government hospitals. Upgrading sanitation and waste disposal systems to maintain hygiene. Enhancing ambulance facilities for emergency patient transport.

5. Supply of Protective and Medical Consumables: Personal Protective Equipment (PPE) kits for frontline healthcare workers. N95 masks, gloves, sanitizers, and disinfectants for infection control. Essential medicines such as antivirals, steroids, and immune boosters for COVID treatment.

6. Capacity Building and Training: Conducting training programs for doctors, nurses, and paramedics on COVID-19 treatment protocols. Community awareness campaigns on vaccination, hygiene practices, and social distancing.

Impact of the Initiative:

- **Enhanced Hospital Readiness:** The upgraded facilities enabled hospitals to handle a larger number of COVID-19 patients efficiently.
- **Reduced Fatalities:** With better equipment and oxygen support, critical patients received timely care, reducing mortality rates.
- **Improved Testing & Early Detection:** Faster diagnosis helped in early treatment and containment of the virus.
- **Long-Term Benefits:** The infrastructure improvements continue to serve the community even post-pandemic.

CSR contribution by NPCIL-Kaiga played a vital role in strengthening the healthcare infrastructure of Uttara Kannada district during the COVID-19 crisis. This initiative not only addressed immediate medical needs but also left a lasting impact on the district's healthcare system.

D. Establishing Supervised Isolation Centre (SIC) in Karwar Medical College

The Dean and Director of Karwar Institute of Medical Science Dr Gajanan N. Nayak stated that as part of Corporate Social Responsibility (CSR) initiatives, NPCIL Kaiga signed a Memorandum of Understanding (MoU) for the establishment of a Supervised Isolation Centre (SIC) at Karwar Medical College. This contribution aims to strengthen healthcare infrastructure in the region, ensuring preparedness and response capacity for managing infectious diseases and health emergencies, particularly in light of recent health crises. Further he explained the objective of the Supervised Isolation Centre (SIC), i.e, to provide a dedicated facility for isolating and treating patients with contagious diseases, to reduce the risk of infection spread within the community, to ensure access to high-quality medical care and monitoring for isolated patients especially at the time of Covid 19. He also stated that the NPCIL-Kaiga CSR Fund was used for construction and furnishing of isolation wards, Installation of necessary medical equipment and patient monitoring systems, oxygen supply systems, and essential medical devices and availability of personal protective equipment (PPE) and sanitation supplies for medical staff. The Dean of the medical College Dr. Gajanan. N Nayak stated that the CSR-Kaiga programme enhanced capacity of Karwar Medical College to handle infectious disease outbreaks and

Improved safety for patients and medical staff through a well-supervised isolation facility. The Dean of the institute extended their sincere gratitude to NPCIL-Kaiga towards its commitment to improving public healthcare and supporting the community's well-being. Such contributions are essential for building a resilient healthcare system in the region.

E. Organising Eye camp and providing relevant treatment for villages within 16km

The Nuclear Power Corporation of India Limited (NPCIL), Kaiga, under its Corporate Social Responsibility (CSR) program, has initiated Eye Camps and Relevant Treatment Services for villages within a 16 km radius of its operational facility. This initiative aims to address vision-related health issues, improve access to quality eye care, and enhance the overall well-being of rural communities.

Impact and Community Benefits

Improved Vision: Many beneficiaries, especially elderly individuals and students, experience enhanced eyesight, allowing them to lead a better quality of life.

Increased Awareness: People become more conscious of eye health, leading to better hygiene practices and early diagnosis of vision-related problems.

Enhanced Productivity: Improved vision directly contributes to better work efficiency for daily wage laborers, farmers, and students, positively impacting their livelihood and education.

Significance of NPCIL Kaiga's CSR Initiative

NPCIL Kaiga's commitment to healthcare and community welfare is evident through this vision care program, ensuring that rural populations receive essential eye treatment without financial constraints. By organizing regular eye camps and providing necessary medical interventions, NPCIL is making a significant contribution toward preventable blindness reduction, improved public health, and overall social well-being in the region.

5.2 Education:

With the aim to promoting quality of education, special education, enhancing vocational skills especially among school children, was provided under the CSR activities. Government Schools within 16 km were supported by NPCIL with a special interest of giving a boost to rural education and to encourage children and their parents to attend school.

During the schools visit, the researchers observed the special initiatives taken by NPCIL Kaiga under the CSR activities. They are....,

- Constructed School Buildings and Toilets
- Augmentation of Teachers
- Supply of Library books and furniture
- Drinking water
- Construction of Anganwadi
- Distribution of Study materials, desk, chair, school bags, umbrella, sports materials and Nutrition Chikki.

While collecting the opinion from the head masters about the CSR activities undertaken by the NPCIL Kaiga, The researchers found that, the student's enrollment level has been increased and these activities influenced school children to improve themselves, helped to gain cognitive and overall development.

As part of its Corporate Social Responsibility (CSR) initiatives, Nuclear Power Corporation of India Limited (NPCIL) has demonstrated a strong commitment to promoting quality education, special education, and vocational skills development, particularly in rural areas. Through strategic partnerships and targeted interventions, NPCIL has supported villagers by constructing various school anganwadi buildings at following locations:

- LPS at Kuchegar
- HPS at Virje
- Renovations of Anganwadi Buildings
- HPS at Basal
- LPS at Mavinmane & Marugadde
- HPS at Bare
- HPS and Hostel Building at Bankolli
- Classroom, Kitchen Room & wash Rooms for schools at Jogalkeri, Allemane & Bare-Honnekoppa,
- School Building at Shigekeri

- School Building at Malavalli
- Anganwadi at Timani, Vajralli and Basal
- School at Shivapur
- School Building at Harangade
- Class Room at First Floor of Existing School Building and Toilet Rooms at Shirve
Construction/ renovations of all above buildings have greatly boosted the educational infra of the area and with the aim of enhancing educational opportunities and fostering holistic development among school children. These initiatives not only empower students with essential skills but also encourage parental involvement and community engagement in education.

- **Supporting Government Primary Schools:**

The Support to Government Schools above mentioned by NPCIL signifies a collaborative effort to address the unique challenges and opportunities in rural education. By partnering with local educational authorities and school administrators, NPCIL demonstrates its commitment to supporting public education systems and enhancing learning outcomes for underprivileged children.

- **Promotion of Quality Education:**

NPCIL's CSR initiatives focus on promoting quality education by enhancing infrastructure, resources, and teaching methodologies in the adopted schools. Investments are made in improving classroom facilities, libraries, laboratories, and playgrounds, creating an enabling environment conducive to learning and personal growth. Additionally, NPCIL facilitates teacher training workshops, capacity-building programs, and educational innovations to enhance pedagogical practices and instructional effectiveness. By investing in the professional development of teachers and educators, NPCIL ensures that students receive high-quality instruction that is responsive to their diverse learning needs and aspirations.

Furthermore, NPCIL leverages technology and digital resources to supplement traditional teaching methods and enhance educational outcomes. Through the provision of computers, tablets, and internet connectivity, students gain access to digital learning platforms, educational content, and interactive resources that enrich their learning experiences and expand their horizons. This integration of technology into the classroom not only enhances academic performance but also equips students with 21st-century skills necessary for success in the digital age.

- **Encouraging Parental Involvement and Community Engagement:**

NPCIL's CSR initiatives recognize the importance of parental involvement and community engagement in supporting children's education and holistic development. Through awareness campaigns, parent-teacher meetings, and community outreach activities, NPCIL encourages parents and guardians to actively participate in their children's education journey. By fostering strong partnerships between schools, families, and the community, NPCIL creates a supportive ecosystem that nurtures academic achievement, social-emotional well-being, and lifelong learning.

Furthermore, NPCIL promotes community ownership and sustainability by involving local stakeholders in decision-making processes, project planning, and implementation. By empowering communities to take ownership of their schools and educational initiatives, NPCIL fosters a sense of pride, responsibility, and accountability that transcends individual projects and creates lasting impact. This collaborative approach not only strengthens social cohesion and trust but also builds resilience, self-reliance, and collective agency within the community.

A. Construction of School building

1. Government Higher Primary School Kadra

A meeting took place with students at Government Higher Primary School in Kadra, where the children expressed immense joy regarding the Corporate Social Responsibility (CSR) Project initiated by NPCIL. The project involved the construction of a school building and the installation of a well for clean water supply, specifically intended for the benefit of the school children. Additionally, NPCIL distributed bags and provided nutritious food to the students, further enhancing their well-being. The students were evidently appreciative and satisfied with the positive impact of the project on their educational environment and daily lives.

2. Government Higher primary School Virje

Education is a cornerstone of development, empowering individuals, communities, and nations with knowledge, skills, and opportunities for a better future. Recognizing the importance of promoting quality education, particularly among higher primary school children, Nuclear Power Corporation of India Limited (NPCIL) has undertaken impactful CSR activities in Government Primary School Virje. Through strategic partnerships and targeted interventions, NPCIL's contributions have

transformed the educational landscape, enriching the learning environment, and enhancing the well-being of students and the broader community.

Comprehensive Support for Education:

NPCIL's CSR initiatives in Government Primary School Virje encompass a wide range of interventions aimed at improving educational outcomes and promoting holistic development. The adoption of the school by NPCIL signifies a long-term commitment to supporting educational excellence, innovation, and inclusivity. Under the guidance of NPCIL, the school has received significant infrastructure enhancements, including the construction of school buildings, provision of furniture, and establishment of facilities such as libraries and stages for conducting programs.

Moreover, NPCIL's support extends beyond physical infrastructure to include provision for essential educational resources and amenities. The initiative to provide breakfast for school children ensures that students have access to nutritious meals, addressing issues of food security, nutrition, and attendance. Additionally, NPCIL's contribution of books for the library and crayons for artistic expression enriches students' learning experiences, fosters creativity, and promotes literacy and numeracy skills.

Furthermore, NPCIL's provision of the Vidhyavahini bus facility for school-going children enhances access to education, particularly for students from remote or marginalized communities. By ensuring safe and reliable transportation to and from school, NPCIL removes barriers to attendance, reduces dropout rates, and promotes educational equity and inclusivity. This holistic support for education reflects NPCIL's commitment to nurturing the intellectual, social, and emotional development of students and empowering them to reach their full potential.

Impact on School and Community:

The contributions made by NPCIL to all Government Schools have had a profound impact on both the school and the wider community. At the school level, NPCIL's support has led to tangible improvements in infrastructure, facilities, and educational resources, creating a conducive learning environment that inspires and empowers students. The provision of modern facilities, nutritious meals, and transportation services enhances students' well-being, engagement, and academic performance, contributing to a positive school culture and sense of belonging.

3. Construction and Up gradation of Govt. Lower Primary School at Kuchegar

The Nuclear Power Corporation of India Limited (NPCIL) - Kaiga has undertaken a Corporate Social Responsibility (CSR) initiative to enhance the educational infrastructure at Govt. Lower Primary School, Kuchegar. This initiative aims to improve the learning environment for students by constructing new classrooms and upgrading existing school facilities.

The CSR initiative by NPCIL-Kaiga is a significant step towards strengthening the educational infrastructure in Kuchegar. By investing in school development, NPCIL is contributing to the future of young learners and supporting the broader goal of community development through education.

4. Construction of Government Higher Primary School Building at Basal

The construction of the Government Higher Primary School building at Basal has been made possible through funding from the Corporate Social Responsibility (CSR) program of the Nuclear Power Corporation of India Limited (NPCIL), Kaiga. This initiative aims to enhance educational infrastructure and provide better learning facilities for students in the region. The support from NPCIL Kaiga reflects its commitment to community development and improving access to quality education.

5. School Building at Benadagule

The construction of the Government Higher Primary School building at Benadagule has been funded under the Corporate Social Responsibility (CSR) program of the Nuclear Power Corporation of India Limited (NPCIL), Kaiga. This initiative aims to improve educational infrastructure, providing a better learning environment for students. NPCIL Kaiga's support highlights its commitment to community development and enhancing educational opportunities for children in the region.

6. Construction of Hostel-cum-school Building for Govt. Higher Primary School at Bankolli Village

The construction of a hostel-cum-school building for the Government Higher Primary School at Bankolli Village has been funded under the Corporate Social Responsibility (CSR) program of the Nuclear Power Corporation of India

Limited (NPCIL), Kaiga. This initiative aims to provide better accommodation facilities for students, ensuring a conducive learning environment. NPCIL Kaiga's support reflects its commitment to community welfare and enhancing educational infrastructure in rural areas.

7. School Building at Malavalli

The construction of a school building at Malavalli has been made possible through the funding provided under the Corporate Social Responsibility (CSR) program of the Nuclear Power Corporation of India Limited (NPCIL). This initiative is a significant step towards improving the educational infrastructure in the region, ensuring that students have access to better learning facilities in a well-equipped environment.

By supporting the construction of the school building, NPCIL aims to enhance the quality of education, create a safe and comfortable learning space, and encourage higher enrollment and retention rates among students. This initiative is particularly beneficial for students from underprivileged backgrounds, providing them with improved educational opportunities and fostering their overall development.

NPCIL's CSR contribution to the education sector reflects its commitment to social development and empowerment, aligning with its broader mission of contributing to the welfare of communities in and around its operational areas. The new school building at Malavalli will play a crucial role in shaping the future of students by offering them a conducive atmosphere for academic growth and extracurricular activities.

B. Augmentation of Teachers for Government Schools

Kaiga, under its Corporate Social Responsibility (CSR) program, has extended support for the Augmentation of Teachers for Government Schools. This initiative aims to address the shortage of qualified teachers in government schools, ensuring that students receive quality education and guidance for their academic and personal development.

By funding the recruitment and deployment of additional teachers, NPCIL Kaiga is helping to reduce the student-teacher ratio, which directly improves the learning environment and enhances student engagement. The presence of more teachers allows

for better subject-specific instruction, individualized attention to students, and overall improvement in academic performance.

This initiative is particularly beneficial for schools in rural and underserved areas where the lack of sufficient teaching staff often hampers the quality of education. With NPCIL's CSR intervention, schools can provide more comprehensive learning experiences, leading to better student outcomes and a stronger foundation for their future education.

NPCIL's commitment to educational development through this program underscores its dedication to social responsibility and its role in fostering sustainable community growth by strengthening the education sector.

C. Distribution of School Kit to students studying in schools within 16Km (For three academic years)

The Nuclear Power Corporation of India Limited (NPCIL), Kaiga, through its Corporate Social Responsibility (CSR) program, has undertaken the Distribution of School Kits and Furniture to students studying in schools within a 16 km radius of its facility. This initiative, spanning three academic years, aims to enhance the learning experience by providing essential educational materials and improving classroom infrastructure.

As part of this program, school kits—including notebooks, stationery, school bags, and other learning essential such as umbrella—are distributed to students to ensure they have the necessary resources for their education. Additionally, classroom furniture such as desks, benches, chairs, and storage units are provided to schools, creating a more comfortable and conducive learning environment.

By reducing the financial burden on students and their families, particularly in rural and economically weaker sections, this initiative promotes inclusive and equitable education. The provision of furniture also addresses infrastructural challenges in schools, helping to improve classroom conditions and overall student engagement.

NPCIL Kaiga's commitment to educational development and community welfare through this CSR initiative reflects its dedication to empowering young learners and fostering a better academic environment. By investing in both learning materials and school infrastructure, this program contributes significantly to the holistic growth and future success of students in the region.

D. Establishment of Prayagolaya within 16 Kms of Kaiga Site

1. Prayogalaya in Kadra High School

The science teacher of Kadra High School extended their sincere gratitude to NPCIL-Kaiga for equipping the Prayogalaya (laboratory) with a range of scientific instruments. They noted a significant transformation in students' attitudes toward science, with many showing enthusiasm and curiosity.

Previously, students found science subjects challenging, but the introduction of interactive models has made learning engaging and accessible. For many, it was their first time encountering such models, and they now grasp concepts more effectively through hands-on demonstrations. While theoretical concepts can sometimes seem abstract, these models provide tangible proof, reinforcing understanding and making complex ideas easier to comprehend. Science, being rooted in evidence, becomes more convincing when students can see and experience it firsthand. Many now describe science as "magical."

The laboratory has also played a crucial role in strengthening students' understanding of mathematical equations and geometrical concepts. Beyond the syllabus, they are learning practical applications that benefit them in their daily lives and future careers.

Recognizing the impact of these resources, the teachers expressed a need for additional support, particularly a solar energy kit to enhance students' understanding of renewable energy, and essential chemicals for chemistry experiments to deepen their grasp of chemical reactions and properties.

The Headmaster of the school also conveyed his appreciation to NPCIL-Kaiga for providing a state-of-the-art laboratory, emphasizing that it has become a major attraction for students seeking admission. He highlighted how the hands-on learning experience has fostered curiosity, making science classes more interactive and enjoyable.

Additionally, the school has identified the need for a projector screen to facilitate visual presentations, which would further enrich students' understanding of scientific concepts. The school community remains grateful to NPCIL-Kaiga for this invaluable support and hopes for continued collaboration in enhancing science education.

2. Prayogalaya in Government High School, Kerwadi, Karwar

The teacher from Government High School, Kerwadi, Karwar, expressed deep appreciation for NPCIL's support through its CSR initiatives. She highlighted that the

school previously lacked a well-equipped laboratory, making it challenging for students to grasp scientific concepts. Thanks to NPCIL's intervention, the school now has a fully functional laboratory equipped with various scientific models. These interactive tools have transformed the learning experience, making science more engaging and accessible.

Science can often be perceived as a difficult subject, but the hands-on approach provided by these models has ignited students' curiosity. They are now more eager to ask questions, explore concepts, and actively participate in experiments. Such exposure is invaluable, as it not only simplifies learning but also encourages students to pursue higher education in science and even consider careers in research and innovation.

However, the teacher also pointed out that some of the models in the laboratory are currently non-functional and require repairs. While these are excellent learning tools, the school lacks the technical expertise to fix them. Additionally, the smart board provided by NPCIL has been immensely beneficial for teaching, but its speaker, which was repaired last year, has been malfunctioning again for the past few months. Resolving these issues would greatly enhance the students' learning experience.

She also expressed heartfelt gratitude to NPCIL-Kaiga for sanctioning a building for the school, calling it a significant contribution to their infrastructure. However, given the school's rural location, she emphasized the urgent need for additional facilities, particularly in the area of digital education. She noted that in today's academic landscape, reliance on digital resources is increasing, and textbooks alone are insufficient. Currently, students must travel to Karwar to access computers for learning, which is not always feasible. If NPCIL could provide computer facilities within the school, it would greatly benefit the students by enabling them to develop essential digital skills and explore a wealth of knowledge beyond their textbooks.

Furthermore, to maximize the benefits of computer education, she highlighted the need for a qualified computer teacher. Access to technology, combined with proper guidance, would not only empower students but also help teachers enhance their own knowledge and teaching methods. She sincerely hopes that NPCIL will consider supporting the school in this regard, as it would have a lasting impact on the students' academic growth and future opportunities.

3. Prayogalaya in Government High School Anshi, Uttara Kannada District

The in charge headmaster of Government High School, Anashi proudly regards NPCIL Kaiga as an invaluable educational partner, recognizing their continued efforts and generous support in enhancing the educational environment. Kaiga's contributions under its Corporate Social Responsibility (CSR) program have played a crucial role in strengthening the educational foundation for rural children by providing both essential resources and permanent facilities for the school. Every year, Kaiga extends its support by distributing essential items such as school bags, stationery, and umbrellas to students. These seemingly simple but impactful provisions ensure that students from economically weaker sections have the necessary tools for their education, reducing the financial burden on their families and motivating students to attend school regularly and participate actively in their learning.

In addition NPCIL- Kaiga has significantly contributed by creating permanent infrastructure that benefits both the school and the surrounding community. The construction of a multipurpose hall has been a transformative addition to the school. It serves various purposes, enriching the school's educational and extracurricular activities. The hall has been used for weddings and other purposes of the community during school holidays and the hall has been effectively used for the morning school assembling, for the group lunch, for the indoor games, exercises and yoga practices for children, for the co-curricular activities, to conduct the exams etc. Two smart classrooms equipped with modern teaching aids have revolutionized the teaching and learning process. These classrooms enable interactive and engaging learning experiences, making complex subjects easier to understand and helping students stay updated with contemporary educational practices. NPCIL-Kaiga has also addressed a crucial infrastructure need by providing an open well with a reliable water supply. This has ensured that the school has a consistent source of clean water for drinking and other essential purposes, contributing to better hygiene and health among students. Improved road connectivity to the school, facilitated by Kaiga, has significantly enhanced accessibility. It has made the daily commute easier and safer for both students and teachers, encouraging better attendance and participation.

E. Coaching classes for competitive examinations

Mr. Mahesh, the Director of two coaching Centres learned about the CSR project by NPCIL-Kaiga, which had the noble objective of providing coaching for competitive

examinations to students in rural areas. NPCIL-Kaiga approached us with this initiative, recognizing the need for quality coaching to help village students excel in these exams.

Following their inquiry, we submitted a quotation, and NPCIL-Kaiga conducted a thorough evaluation, including class demonstrations and a visit to our centre. After their assessment, they selected our coaching institute for the project. With NPCIL's support, we launched the program in three regions: Mallapur, Mallavalli, and Joida, where many talented yet underprivileged students lack access to quality coaching due to financial constraints and distance from the city.

In collaboration with NPCIL-Kaiga, we launched this initiative. We have been able to bring structured guidance and learning directly to them, making a significant impact and it has been a great success. I am thankful to NPCIL-Kaiga for the support they have provided to underprivileged students to train for competitive examinations.

Additionally, I would like to propose an enhancement to the program. Instead of conducting short-term three-month coaching sessions once a year, extending the program to run every Saturday and Sunday throughout the year in structured batches would provide more consistent learning and better results. While our training empowers students with the knowledge and skills needed to qualify for competitive exams, we have observed a key challenge. Once the training period ends, many students, despite being eligible, struggle to secure jobs. This can lead to disappointment and a loss of motivation to continue their efforts. To truly fulfill the purpose of this project, it is essential not only to train students but also to facilitate job opportunities for them.

To ensure maximum participation, we visited students door-to-door, mobilizing and encouraging them to take advantage of this opportunity. The success of this initiative has been evident, and with further enhancements, we can make an even greater impact on the future of these students. Our vision is not just to train but to empower these students with real opportunities, ultimately helping them build a brighter future.

5.3 Environmental sustainability:

Environmental sustainability is the ability to maintain an ecological balance in our planet's natural environment and conserve natural resources to support the wellbeing of current and future generations. Hence, with the objective to find the initiatives taken by NPCIL regarding environmental sustainability, the researchers collected opinion from the beneficiaries of the projects introduced by NPCIL like fish seeding, coconut tree climbing machine/ equipment, honey bee boxes etc. played an important role in eradicating unemployment and helped them to become economically empowered.

In the context of NPCIL-Kaiga, these initiatives would be particularly beneficial. Fish seeding helps replenish local water bodies, supporting both aquatic ecosystems and the livelihoods of fishermen. The introduction of coconut tree climbing machines/equipment facilitates efficient coconut harvesting, promoting the sustainable utilization of coconut resources, which are abundant in the region. Additionally, honey bee boxes not only aid in pollination but also offer opportunities for beekeeping, generating income for residents while promoting biodiversity. By engaging beneficiaries in these projects, NPCIL not only addresses environmental concerns but also fosters economic empowerment within the community. This dual approach not only ensures the preservation of natural resources for future generations but also enhances the well-being and livelihoods of current residents in Kaiga.

A. Training & Distribution of Honey Bee Boxes

As part of its Corporate Social Responsibility (CSR) initiatives, the Nuclear Power Corporation of India Limited (NPCIL) at Kaiga Generating Station has undertaken projects aimed at enhancing local livelihoods through skill development in apiculture (beekeeping). In collaboration with the Department of Horticulture, Karwar, NPCIL's CSR team provided training on bee hive culture and honey extraction to villagers from Mavinmane, Shirve and Devalamakki. Post-training, participants received bee boxes with bee colonies and honey extraction equipment, enabling them to generate consistent income by producing natural honey, which has a strong local demand. Additionally, NPCIL's CSR efforts have included sustainable development initiatives such as honey bee culture projects, further supporting local communities in adopting apiculture as a viable livelihood option.

B. Establishment of Orchidarium at Anashi National Park

The Orchidarium, established in association with NPCIL and the Karnataka Forest Department, was created with a strong scientific and educational purpose. It serves as a centre for awareness, attracting both students and tourists who gain valuable knowledge about orchids and their ecological significance. This initiative has also contributed to employment generation, particularly benefiting the Kunabi tribes in the region, who are responsible for maintaining the Orchidarium. The tribe members are actively involved in maintaining the Orchidarium, contributing to their livelihood while preserving the local biodiversity.

The forest officer further explained our Forest Department, in collaboration with NPCIL-Kaiga, has taken significant measures to grow both wild and commercial orchids, enhancing their aesthetic appeal and conservation value. In its initial phase, the infrastructure for the Orchidarium was fully supported by NPCIL-Kaiga, and the Forest Department is now focused on developing an Interpretation Centre to enhance the learning experience for visitors.

However, to enhance the learning experience, we currently require additional components such as cameras, microscopes, and project screens. Incorporating an audio-visual interpretation system would greatly enhance the interest of children and visitors, making their learning experience more engaging and interactive. The Orchidarium, funded by NPCIL's CSR initiative has served the purpose, as it is one of its kind in Karnataka and has made us immensely proud. It has supported scientific research, enabled publications, and opened opportunities for ecological studies. This initiative has revealed the unseen beauty of nature and has helped us understand and conserve its delicate intricacies. We sincerely acknowledge the efforts of NPCIL- Kaiga and the Karnataka Forest Department for making this vision a reality and we look forward to further support in expanding its capabilities.

C. Establishment of Butterfly Park at Gotegali in Kadra Range

Mr. Puttana, the Deputy In-Charge of the Forest Department, Gotegali branch, expressed his appreciation for the Butterfly Park, a joint initiative with NPCIL-Kaiga. He described it as a valuable addition to the region, particularly since there are very few parks between Dandeli and Gotegali. The park has quickly become a popular spot where people can relax and connect with nature. Rating it an 8 out of 10, he acknowledged its positive impact while also highlighting areas for improvement.

He emphasized that the park is especially beneficial for students, offering them an opportunity to learn about butterflies and their natural habitats. The initiative has also been well received by the local villagers, who frequently visit and appreciate its serene environment. However, with further enhancements, the park could serve the community even more effectively.

One of the primary concerns he raised is the issue of rainwater runoff. Since the park is located on a slope, heavy rains cause water to rush down, damaging the plants. To prevent erosion and protect the vegetation, he suggested the construction of a proper drainage system. Additionally, for security and privacy, he recommended the installation of a compound wall around the park. Another challenge is the lack of adequate seating. At present, there is only one seating arrangement for visitors. Adding two or three more seating areas would improve convenience and encourage longer visits.

Water scarcity is another major issue affecting the park's maintenance. The well inside the park holds water for only about a month after the rainy season, making it difficult to sustain the greenery. Since digging a borewell does not guarantee a sufficient water source, he proposed an alternative solution drawing a pipeline from the river, which is approximately 200-300 meters away. However, given that the park was established in collaboration with NPCIL-Kaiga, funding from the Forest Department may not be available. He requested NPCIL's support in setting up the pipeline, which would greatly aid in the upkeep of the park.

Mr. Puttana also suggested a slight revision to the park's entry fee structure. Currently, visitors pay Rs.10 and Rs.5. If the park undergoes further development, a small increase in ticket prices could generate additional revenue, which could be reinvested into park maintenance and growth through the Grama Abhivraddi Samithi of Gutegali.

Furthermore, he highlighted the need for an educational space within the park. At present, information about the park and butterfly species is conveyed to visitors informally during guided tours. However, if they have a display room with a projector, we could provide a more structured and engaging learning experience. A visual presentation about the park and different butterfly species would help spread awareness and even contribute to butterfly conservation efforts. He requested NPCIL-Kaiga and the Forest Department collaborate on this, it would be a valuable addition to the park.

In his closing remarks, he expressed confidence that with these improvements, the Butterfly Park could attract more visitors, benefiting both education and eco-tourism in the region.

5.4 Rural Infrastructure

During their visit, the researcher found different types of CSR activities connected with rural infrastructure in villages within 16 km radius. As a part of this, they have constructed multipurpose community hall, construction of road and bridge. The rural infrastructure provided essential construction which are required for social and economic growth and for promoting the quality of life of public living in particular geographical area.

Rural infrastructure plays a pivotal role in facilitating social and economic development, improving quality of life, and promoting inclusive growth in rural communities. Recognizing the significance of robust infrastructure in fostering sustainable progress, various Corporate Social Responsibility (CSR) initiatives have been undertaken in following locations:

- Development of crematorium at Mallapur Village
- Multipurpose Hall at Kadra, Benadgule, Sunksal, Malavalli, Anshi, Gotegali.
- Development of roads within 16 km radius
- Infra development at Balse & Harur
- Village roads at Mavinmane Panchayat
- Cement Concrete Roads at Mavinmaane, Mallapur, Devalmakki and at various other locations.
- Foot Bridges
- Dining Hall & Kitchen room at Mallapur.

These infrastructure projects not only address critical infrastructure gaps but also lay the foundation for holistic development and enhanced well-being for residents of Kadra village.

A. Multipurpose Community Hall:

The Nuclear Power Corporation of India Limited (NPCIL), Kaiga, through its Corporate Social Responsibility (CSR) program, has funded the construction of Multipurpose Halls in Kadra, Benadgule, Sunksal, Malavalli, Anshi, and Gotegali. This initiative is aimed at enhancing community infrastructure, providing dedicated spaces for social, educational, cultural, and developmental activities in these villages.

Key Benefits and Usage of the Multipurpose Halls

Community Engagement & Social Gatherings: These halls serve as venues for community meetings, social functions, and cultural programs, promoting unity and social interaction among residents.

Educational & Training Programs: The halls can be used for skill development workshops, student seminars, and awareness programs, benefiting youth and women by providing opportunities for personal and professional growth.

Schools and educational institutions can use them for extracurricular activities, science fairs, and public awareness sessions.

Health & Welfare Initiatives: These spaces can host medical camps, vaccination drives, and health awareness programs, making essential healthcare services more accessible to rural communities.

Disaster Relief & Emergency Shelters: In times of natural disasters or emergencies, these halls can serve as temporary shelters for affected families, ensuring safety and support during crises.

Recreational & Sports Activities: The halls provide indoor spaces for sports, yoga, and fitness programs, encouraging a healthier lifestyle among villagers.

The construction of these multipurpose halls reflects NPCIL Kaiga's commitment to sustainable community development. By providing modern, well-equipped infrastructure, this initiative supports social welfare, education, healthcare, and disaster resilience in rural areas. These facilities will play a vital role in enhancing the quality of life for residents, fostering inclusive growth and strengthening community bonds for generations to come.

B. Construction of Roads and Bridges:

Improving transportation infrastructure through the construction of roads and bridges is essential for enhancing connectivity, accessibility, and mobility in rural areas. The construction of well-maintained roads and sturdy bridges facilitates the movement of people, goods, and services, reducing travel time, transportation costs, and logistical constraints. This enables residents to access essential services, educational institutions, healthcare facilities, and markets more efficiently, thereby improving their overall quality of life and economic prospects.

Moreover, the construction of roads and bridges stimulates economic development, trade, and investment by opening up remote areas to economic opportunities and market integration. Farmers can transport their produce to markets more easily, expanding their customer base and increasing their incomes. Similarly, businesses can reach new customers and suppliers, fostering entrepreneurship, job creation, and wealth generation. Additionally, improved connectivity attracts infrastructure

investments, tourism, and social capital, further enhancing the socio-economic vitality and resilience of village.

- **Impact on Quality of Life and Well-being:**

The rural infrastructure projects implemented have a transformative impact on the quality of life and well-being of its residents. By providing essential amenities and services, such as community halls, roads, and bridges, these initiatives enhance access to education, healthcare, livelihood opportunities, and social services, thereby improving overall living standards and human development indices. Residents experience greater safety, convenience, and comfort in their daily lives, leading to enhanced physical and mental well-being.

Furthermore, the improved infrastructure promotes social inclusion, equity, and empowerment by reducing disparities and barriers to participation. Vulnerable groups, such as women, children, elderly, and persons with disabilities, benefit from enhanced accessibility, mobility, and social integration, enabling them to actively engage in community life and decision-making processes. Additionally, the enhanced connectivity and infrastructure resilience contribute to disaster preparedness, risk reduction, and climate adaptation, safeguarding lives, livelihoods, and assets in times of crisis.

- **Construction of over bridge in Harur Mallapur Village**

The construction of an over bridge in Harur Mallapur Village by the Nuclear Power Corporation of India Limited (NPCIL) as part of its Corporate Social Responsibility (CSR) initiative has brought significant benefits to the community. This project stands as a testament to the positive impact that corporate entities can have on local communities through strategic CSR efforts. In this comprehensive overview, we delve into the various dimensions of the project and its far-reaching effects on the village and its residents.

Background:

Harur-Mallapur Village, nestled amidst the scenic landscapes, has long grappled with infrastructural challenges, particularly regarding transportation. The absence of a reliable overbridge has posed safety hazards and impeded connectivity, hindering both daily commutes and economic activities. Recognizing these challenges, NPCIL, a key stakeholder in the region, initiated the construction of an over bridge as part of its CSR endeavors.

Construction and Implementation:

The construction of the over bridge was meticulously planned and executed, involving consultations with local authorities and community representatives to ensure alignment with the village's needs and aspirations. Skilled labor from the local community was employed, fostering a sense of ownership and participation among residents. The project adhered to strict quality standards and timelines, minimizing disruptions to the daily lives of villagers.

Impact on Connectivity:

The completion of the over bridge has ushered in a new era of connectivity for nearby Village and its environs. Residents now enjoy seamless access to neighboring areas, facilitating smoother transportation of goods and services. This enhanced connectivity has bolstered economic activities, enabling local businesses to thrive and fostering socio-economic development in the region.

Social Cohesion and Community Development:

Beyond its tangible benefits, the over bridge project has catalyzed social cohesion and community development in nearby Village. The collaborative effort involved in its construction has fostered a sense of unity and solidarity among residents, transcending social divides. Furthermore, the improved infrastructure has attracted investments and initiatives aimed at further enhancing the village's livability and sustainability.

Environmental Considerations:

NPCIL's commitment to environmental stewardship was reflected in the overbridge project through measures to minimize ecological impacts. Environmental assessments were conducted to identify sensitive areas, and mitigation measures such as tree plantation drives were implemented to offset any adverse effects. Additionally, the project incorporated eco-friendly construction practices, ensuring minimal disruption to the natural ecosystem.

C. Construction of library building

The Nuclear Power Corporation of India Limited (NPCIL) - Kaiga, as part of its Corporate Social Responsibility (CSR) initiatives, has undertaken various projects to enhance educational infrastructure in rural areas. One significant initiative is the construction of a library building to promote education and knowledge-sharing in the local community.

Implementation & Benefits:

Infrastructure Development: NPCIL funds and oversees the construction of library buildings with proper seating arrangements, lighting, and ventilation.

Book & Resource Allocation: The library is equipped with academic textbooks, reference materials, newspapers, magazines, and digital resources.

Technology Integration: Efforts are made to introduce computers and internet access, enabling students to use online learning platforms.

Support for Local Schools: Schools in nearby villages benefit as students can access additional study materials and improve their academic performance.

Impact on Local Communities: Improved Literacy Rates: Encouraging both students and adults to develop reading habits.

Better Educational Outcomes: Students preparing for board exams, competitive exams, and higher studies gain better access to learning resources.

Community Development: The library becomes a knowledge hub, fostering intellectual growth and lifelong learning.

Promotion of Government Initiatives: Aligning with national programs like Digital India and Beti Bachao Beti Padhao, by making education more accessible.

NPCIL-Kaiga's initiative to construct a library building under its CSR program highlights its commitment to education and community development. By providing a dedicated learning space with quality resources, NPCIL is actively contributing to the intellectual and social upliftment of the region. This initiative is a step towards creating a knowledge-driven society and ensuring equal educational opportunities for all.

D. Participation of Rural Administrative Departments

1. Kerwadi Rural Panchayat

During a research visit to Kerwadi rural panchayat, discussions were held with key figures including the Panchayat President, PDO, and Secretary. They shared insights into the positive impact of NPCIL's CSR initiatives on the local community. Fifteen years ago, NPCIL constructed a multipurpose hall on the panchayat premises, facilitating various community gatherings and meetings. This initiative has proven invaluable in fostering community cohesion and enabling local events and functions. Furthermore, the researchers learned about NPCIL's extended CSR programs, which

include providing school bags and nutritious foods to school children. This initiative directly contributes to the well-being and educational development of the children in the community.

In addition to expressing gratitude for past initiatives, the panchayat representatives expressed a need for further support. Specifically, they requested assistance in constructing a library building on the premises. Such a facility would provide community members with access to newspapers and books, promoting literacy and knowledge dissemination within the community.

NPCIL's CSR efforts in Kerwadi rural panchayat have had a tangible and positive impact, from infrastructure development to educational support. The proposed library building would further enrich the community by providing a space for intellectual growth and engagement.

2. Rural Panchayat Kadra

A research team embarked on a visit to Kadra Rural Panchayat with the objective of enhancing rural infrastructure. Engaging in discussions with key stakeholders such as the Panchayat President, PDO, and Secretary shed light on the significant positive impact of NPCIL's CSR endeavors on the local populace. One noteworthy initiative involved the construction of a multipurpose hall at the panchayat premises by NPCIL-CSR project. This facility serves as a venue for various community gatherings and meetings, fostering a sense of unity and cooperation among residents. Additionally, it provides a space for local events and marriage functions, thereby contributing to the social fabric of the community.

Furthermore, the PDO highlighted another crucial contribution of NPCIL-CSR, namely the construction of a library building. This resource has proven to be immensely beneficial for the community, offering residents access to educational materials and resources. The availability of a local library enriches the lives of individuals by providing a space for learning and knowledge sharing.

The officials of Kadra Rural Panchayat expressed their appreciation for NPCIL's comprehensive approach to CSR, emphasizing the tangible benefits it has brought to the community. They underscored the importance of such initiatives in improving the quality of life for residents. Additionally, they acknowledged NPCIL's commitment to extending services beyond infrastructure projects, such as the provision of concrete roads to Singevadi Rural Village. This holistic approach to CSR reflects NPCIL's

dedication to making a meaningful and sustainable impact on the communities it serves.

3. Beneficiaries of Kadra community

The study discusses the feedback from beneficiaries in the Kadra community regarding NPCIL-Kaiga CSR projects. These initiatives include distributing bags to school children, constructing a multipurpose hall for community use, and receiving suggestions for further improvements. In the context of Kaiga, these initiatives are highly beneficial. Distributing bags to school children ensures they have essential supplies for their education, which directly contributes to their academic success and well-being. The construction of a multipurpose hall provides a space for community gatherings and events, fulfilling various social and cultural needs. Furthermore, the suggestions put forward by the community members aim to address specific concerns and enhance the overall welfare of the community. Providing free electricity to Kadra residents would alleviate financial burdens and improve living standards. Giving preferences to local candidates during recruitment fosters employment opportunities and economic empowerment within the community. Additionally, reinstating school bus services ensures that children have safe and reliable transportation to school, thus promoting access to education.

Overall, these initiatives and suggestions serve to uplift the Kaiga community by addressing immediate needs, fostering economic development, and promoting social inclusion.

5.5 Livelihood & Woman Empowerment:

Nuclear Power Corporation of India Limited (NPCIL) has undertaken significant initiatives to foster women empowerment and improve livelihoods within local communities. Recognizing the pivotal role of women in societal progress, NPCIL has introduced various training programs aimed at enhancing skills and generating sustainable income opportunities. Among these initiatives are tailor-made training programs in tailoring, computer literacy, and manufacturing of non-forest products. These endeavors not only empower women economically but also contribute to their social and personal development.

A. Tailoring Training Program:

The tailoring training program initiated by NPCIL aims to provide women with practical skills in garment making and design. Through comprehensive training sessions, participants learn various aspects of tailoring, including pattern drafting, stitching techniques, fabric selection, and garment finishing. This hands-on approach equips women with the necessary expertise to pursue a career in tailoring or establish their own small-scale enterprises. By encouraging entrepreneurship and self-reliance, NPCIL empowers women to contribute to household incomes and become financially independent.

Moreover, the tailoring program fosters creativity and innovation among participants, enabling them to explore new design ideas and market trends. As a result, women are not only able to meet local demand for tailored garments but also tap into wider markets, thereby expanding their earning potential. Additionally, NPCIL provides support in accessing microfinance schemes and marketing assistance, further facilitating the establishment and growth of tailoring businesses.

B. Computer Training Program:

In today's digital age, computer literacy is essential for socio-economic advancement. Recognizing this, NPCIL has implemented computer training programs targeted at women from marginalized communities. These programs offer basic to advanced level courses covering computer fundamentals, software applications, internet usage, and digital literacy skills. By imparting technical knowledge and proficiency in computer operations, NPCIL enables women to enhance their employability prospects across various sectors, including administrative roles, data entry, and customer service.

Furthermore, the computer training program opens doors to online entrepreneurship opportunities, such as e-commerce, digital marketing, and freelance work. Participants are equipped with the necessary skills to leverage technology for income generation and career advancement. Additionally, NPCIL collaborates with local educational institutions and vocational training Centers to ensure the accessibility and sustainability of computer training initiatives. By bridging the digital divide and empowering women with technological competencies, NPCIL contributes to inclusive growth and community development.

5.6 Disaster Management

A. Procurement of Boats, Fire pumps and other items pertaining to rescue operation during flood

The Inspector from the Karnataka State Fire and Emergency Department, Karwar, stated that it came to their attention in 2022 that NPCIL-Kaiga, through its CSR initiatives, was funding the Fire and Emergency Department for rescue operations. Recognizing this opportunity, the department submitted a proposal to the District Commissioner of Uttara Kannada District, outlining the essential materials required for effective rescue operations, including boats, life jackets, and other critical equipment. Based on this proposal, NPCIL-Kaiga provided rescue operation materials worth of Rs.1,12,16,912/-. The department received high-quality equipment, including life jackets, HDP boats, nylon ropes, emergency lighting systems, fire pumps, foldable stretchers, dry watering pumps, and LED torches. These materials have been effectively utilized in various rescue operations, proving to be valuable assets and the department is thankful for the same.

However, the department faced challenges in fully utilizing certain resources. For instance, they received 10 petrol-driven saw, but their performance has not been satisfactory. Additionally, the high repair costs have made it difficult to maintain these devices.

While the provided equipment has significantly enhanced rescue efforts, the department lacks a dedicated vehicle to transport these materials to emergency sites. Currently, only fire brigade vehicles are available, which are not always suitable for carrying rescue equipment efficiently. The inspector emphasized that if NPCIL-Kaiga could provide a pick-up van for this purpose, it would greatly improve response times and operational effectiveness. The department, therefore, requested NPCIL's continued support in strengthening rescue operations by providing a dedicated vehicle for the swift transportation of essential equipment.

B. Rehabilitation of flood victims and Reconstruction of flood affected areas in Uttar Kannada district

The District Commissioner of Uttar Kannada District stated that as part of its Corporate Social Responsibility (CSR) initiatives, NPCIL- Kaiga has generously contributed Rs.2,50,00,000/- for the Rehabilitation of Flood Victims and Reconstruction of Flood-Affected Areas in Uttar Kannada District. This financial

support is aimed at restoring normalcy in the lives of those affected by severe floods and rebuilding critical infrastructure in the region.

Rehabilitation of Flood Victims such as

- ✓ Provision of temporary shelters and essential supplies for displaced families.
- ✓ Medical support and counselling for affected individuals.
- ✓ Reconstruction and Infrastructure Development
- ✓ Rebuilding damaged homes, schools, and public facilities.
- ✓ Restoration of roads, bridges, and drainage systems to prevent future flood damage.
- ✓ Livelihood Support
- ✓ Assistance for farmers to recover and rebuild their livelihoods.
- ✓ Distribution of agricultural inputs and financial aid.
- ✓ Health and Sanitation Improvements
- ✓ Mobile health camps and distribution of essential medicines.
- ✓ Construction and repair of sanitation facilities to ensure public health and hygiene.

Impact of the Initiative

The Chief Executive Officer of Zilla Panchayat Uttar Kannada District also stated that timely support from NPCIL -Kaiga will significantly aid in the recovery process, ensuring that affected communities can rebuild their lives and improve their resilience to future disasters. The funds will help restore essential infrastructure and provide a stable foundation for sustainable development in the Uttar Kannada district. NPCIL-Kaiga continued support reflects its commitment to community welfare and disaster relief, making a positive difference in the lives of the people of Uttar Kannada District.

5.7 Major Findings

The NPCIL Kaiga CSR initiatives have significantly enhanced the healthcare infrastructure and public health services in Mallapur and surrounding areas. The Mallapur Health Centre, supported by a Mobile Medical Health Unit, exemplifies a holistic and community-driven approach to healthcare, offering round-the-clock medical services, disease prevention programs, and community outreach activities. The centre's state-of-the-art infrastructure, skilled personnel, and access to diagnostic services and essential medications have led to improved health outcomes, especially in underserved rural populations. Additionally, the construction of a drinking water filtration plant in collaboration with the Mallapur Gram Panchayat has addressed a long-standing public health issue by ensuring access to clean drinking water, reducing the prevalence of waterborne diseases, and empowering local communities through active participation and shared responsibility.

Furthermore, NPCIL Kaiga's contributions during the COVID-19 pandemic played a vital role in bolstering the healthcare system of Uttara Kannada district. Support included establishing oxygen plants, supplying life-saving medical equipment, and enhancing diagnostic capabilities. The creation of a Supervised Isolation Centre (SIC) at Karwar Medical College further strengthened the region's capacity to respond to infectious disease outbreaks. Additionally, regular eye camps organized by NPCIL provided free vision care services to villages within a 16 km radius, improving the quality of life for hundreds of rural residents. These initiatives highlight NPCIL long-term commitment to sustainable, inclusive healthcare development and its focus on building resilient, healthier communities through strategic partnerships and participatory approaches.

NPCIL Kaiga CSR initiatives in the education sector have brought about substantial improvements in rural educational infrastructure and learning outcomes within the 16 km radius of its operations. By constructing and renovating school buildings, Anganwadis, classrooms, toilets, and kitchen facilities, and by providing essential resources like study materials, school bags, library books, sports items, and nutritious food, NPCIL has significantly enhanced the learning environment. These interventions have led to increased student enrollment, improved attendance, and better cognitive development among children, as observed during school visits and interactions with headmasters. Moreover, the promotion of digital learning tools, teacher training, and community engagement has created a holistic, child-centric educational ecosystem. Schools such as those in Kadra and Virje exemplify the transformative impact of these CSR activities, where students, teachers, and parents reported

improved satisfaction, participation, and academic performance, reinforcing NPCIL's role as a catalyst for educational equity and rural development.

NPCIL-Kaiga's CSR initiatives have significantly improved educational infrastructure and learning outcomes in rural areas within a 16 km radius. Construction and renovation of school buildings, provision of school kits, and teacher augmentation have enhanced enrollment, retention, and student engagement. The establishment of Prayogalayas (science labs) has sparked scientific curiosity and experiential learning. Digital education support, transportation facilities, and nutritious meals have addressed key barriers to learning. Coaching classes for competitive exams have empowered rural students with new aspirations, though long-term support and job linkage remain areas for further development. Overall, these efforts reflect a holistic and inclusive approach to rural educational empowerment.

NPCIL-Kaiga's CSR initiatives in environmental sustainability have significantly contributed to ecological conservation and community empowerment. The honey bee box distribution and apiculture training provided villagers with sustainable income sources while promoting biodiversity and pollination. The coconut tree climbing equipment improved labor safety and productivity, aligning economic benefits with environmental care. Establishment of the Orchidarium at Anashi promoted biodiversity conservation, tribal employment, and ecological education, making it a hub for research and learning. The Butterfly Park at Gotegali has become a center for eco-tourism and student education, encouraging environmental awareness. However, it faces challenges like water scarcity, erosion, and limited visitor amenities. Suggestions for improvement include drainage systems, a water pipeline, seating, fencing, and educational facilities. Across all projects, the dual focus on conservation and livelihood highlights NPCIL's integrated approach to sustainable development and community well-being.

NPCIL-Kaiga's CSR initiatives in rural infrastructure and livelihood have significantly improved the quality of life in surrounding villages. The construction of multipurpose halls, roads, bridges, and libraries has enhanced connectivity, community cohesion, and access to education and healthcare. These facilities serve social, educational, and emergency needs, contributing to inclusive rural development. Livelihood programs, such as tailoring and computer training, have empowered women by enhancing skills, promoting self-employment, and increasing income opportunities. Community feedback highlights the success of these initiatives and calls for additional support like free electricity, school bus services, and local recruitment, demonstrating the deep-rooted impact of NPCIL's CSR model.

NPCIL-Kaiga's CSR initiatives have significantly strengthened disaster management in Uttar Kannada district. A contribution of over Rs 1.12 crore provided essential rescue equipment like boats, fire pumps, and life jackets, enhancing emergency response capabilities. However, the Fire Department highlighted the need for a dedicated transport vehicle for rescue materials. Additionally, NPCIL contributed Rs 2.5 crore for flood rehabilitation and reconstruction, supporting shelter, infrastructure repair, and livelihood restoration. The aid helped rebuild homes, schools, and roads, and improved health and sanitation services. These efforts reflect NPCIL's commitment to disaster resilience and community welfare in crisis situations.

Conclusion

The NPCIL-Kaiga Corporate Social Responsibility (CSR) initiatives have emerged as a comprehensive and transformative model for rural development, effectively addressing critical areas such as healthcare, education, environmental sustainability, infrastructure, livelihood, women empowerment, and disaster management within a 16 km radius of its operations. By prioritizing participatory approaches and strategic collaborations with local stakeholders, NPCIL has fostered inclusive growth and long-term community resilience. The organization's holistic efforts ranging from establishing health centers and educational facilities to promoting eco-friendly livelihoods and enhancing disaster preparedness have not only improved the quality of life for thousands of rural residents but have also contributed to ecological conservation and social equity. Through its sustained commitment and multi-sectoral interventions, NPCIL Kaiga has set a benchmark for impactful CSR, demonstrating how public sector enterprises can be instrumental in driving sustainable, people-centric development in rural India.