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Impact of CSR in Mining Industries Development in Education of Local Communities'- A Special Reference to Keonjhar District.

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ABSTRACT

Corporate Social Responsibility (CSR) initiatives in the mining industry play a pivotal role in fostering sustainable development, particularly in enhancing the educational landscape of local communities. This abstract explores the multifaceted impact of CSR interventions on education within the context of Keonjhar District, an area deeply entrenched in mining activities. Through a comprehensive review of literature and empirical evidence, this study delves into the diverse ways in which CSR initiatives have influenced educational outcomes, including infrastructure development, access to quality education, skill enhancement programs, and community engagement initiatives. Moreover, it investigates the challenges and opportunities encountered in the implementation of CSR projects in the education sector, shedding light on effective strategies for maximizing positive impacts. By analyzing the experiences and perceptions of stakeholders, including mining companies, local communities, and educational institutions, this abstract provides valuable insights into the dynamics of CSR-driven educational development in mining regions. Ultimately, it underscores the importance of collaborative efforts between stakeholders to ensure the holistic advancement of education and sustainable development in Keonjhar District and beyond.

Keywords: CSR, Education, Initiatives, Strategies, Mining industry, Development

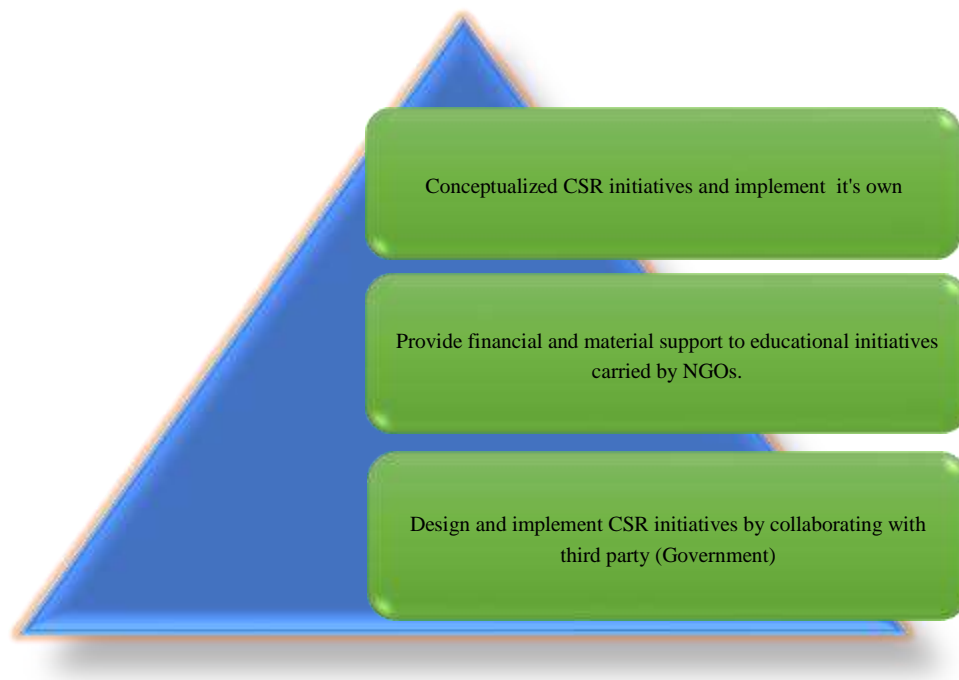
Introduction:

Corporate Social Responsibility (CSR) initiatives in educational development represent a strategic avenue for businesses to make positive contributions to society while simultaneously advancing their own interests. Education is universally recognized as a fundamental driver of socio-economic development, and businesses have a critical role to play in ensuring access to quality education for all. Through CSR programs focused on educational development, companies can address pressing challenges facing educational systems, empower individuals, and contribute to building sustainable communities.

One of the primary objectives of CSR initiatives in educational development is to improve access to quality education. Many communities, particularly in developing regions, face barriers such as inadequate infrastructure, insufficient resources, and socio-economic disparities that hinder access to education. By investing in initiatives such as building schools, providing educational materials, and offering scholarships, businesses can help mitigate these barriers and create opportunities for marginalized populations to receive a quality education.

Another critical aspect of CSR in educational development is promoting innovation and technology integration in education. In today's digital age, technology plays a vital role in enhancing educational outcomes and expanding access to learning resources. Companies can support initiatives such as providing digital learning tools, internet connectivity, and educational software to schools and communities, thereby empowering students and educators to harness the benefits of technology for learning and skill development.

Moreover, CSR initiatives in educational development contribute to building sustainable communities by fostering long-term partnerships and promoting community engagement. By collaborating with local stakeholders, including government agencies, educational institutions, NGOs, and community organizations, businesses can ensure the relevance, effectiveness, and sustainability of their educational initiatives. CSR initiatives in educational development offer businesses a unique opportunity to make a meaningful and lasting impact on society while also advancing their own interests. By investing in initiatives that improve access to education, enhance educational infrastructure and etc.



CSR IN KEONJHAR

Keonjhar district also receives investments in various social services through Corporate Social Responsibility (CSR) funds, particularly from iron ore mining and iron and steel manufacturing sector. Total CSR spending in the district in the fiscal year 2017-18 was nearly Rs. 47 crores. CSR investing were in the area of education & skill development Rs. 20.63 crores, rural development Rs. 12.04 crores.

Review of Literature-

Sharma, Gupta (2020) This study examines the role of Corporate Social Responsibility (CSR) in enhancing the quality and accessibility of education in India, ultimately contributing to societal development. Using both primary and secondary data collected through surveys, interviews, and observations, the study employed statistical tools like regression analysis to test key hypotheses. Findings emphasize the importance of collaboration between educational institutions, industry, and government to strengthen CSR practices in the education sector. The study concludes that CSR initiatives play a vital role in improving literacy, expanding educational opportunities, and fostering better communication skills, thereby supporting the broader goal of community and societal development.

Pal S. Kumar, Sarker P. C. (2022) This study aims to assess public knowledge and perception of Corporate Social Responsibility (CSR), focusing on the role of education in shaping awareness and attitudes. Conducted in Rajshahi city, Bangladesh, it targeted people of various age groups using both online and paper-based surveys, with 400 responses collected through convenience sampling. A structured questionnaire was used to gather data. The findings reveal that education significantly contributes to raising awareness and improving perceptions of CSR. Additionally, many organizations are found to adopt and implement CSR policies focused on educational activities, highlighting education's crucial role in promoting CSR understanding and engagement.

C. Subathra (2018) This exploratory study reviews the issues and challenges of Corporate Social Responsibility (CSR) initiatives in India's education sector, using both quantitative and qualitative analysis. It highlights various CSR schemes implemented by corporations to support Sustainable Development Goals, particularly in promoting education among local communities. Key interventions include building schools, providing scholarships, books, and uniforms. The study finds that most CSR efforts focus on access to education, with some corporates aiming to deliver quality education through non-profit models. These initiatives contribute to community development by addressing educational needs and fostering long-term social impact through inclusive and sustainable educational support.

Azhar A, A. Azlindra (2021) This study examines the impact of educational CSR programs from the school's perspective, focusing on their influence on pupils. Using a qualitative approach, it employed a case study of the Adopt-a-School programme, collecting data through semi-structured interviews and questionnaires. The study highlights flaws and gaps in current CSR educational initiatives, particularly the lack of technology-based learning components. It suggests the inclusion of computer and tech-related programs to better engage students. Additionally, it emphasizes the need to evaluate the sustainability of CSR initiatives in rural schools to ensure lasting benefits for pupils, teachers, schools, and the broader community.

Rao P. Koteswar, Rao T. V. (2016) This study analyses how companies in India contribute to education through Corporate Social Responsibility (CSR) initiatives, using both primary and secondary data. It examines annual reports and CSR spending on educational activities, with primary data focused on individuals aged 18 to 23 from a population sample of 164 million. The study highlights that companies actively support and invest in school education programs. Major challenges in implementing CSR include regulatory hurdles and lack of effective execution frameworks. The study concludes that CSR efforts not only enhance a company's brand image but also help develop a skilled talent pool by supporting education

Dixit P. (2020) This study investigates the use of corporate social responsibility (CSR) in private secondary schools in North and South Delhi, examining its impact on institutional performance. Using a quantitative, descriptive research design, it reveals no significant gender differences in perceptions of CSR strategies, suggesting both male and female staff share similar views on CSR benefits. The findings indicate a very high positive correlation between economic and legal responsibilities of CSR and school performance. Additionally, a moderate positive correlation is observed between ethical responsibility and institutional performance, highlighting the importance of CSR in enhancing private sector school effectiveness.

Saxena M. and Mishra D.K (2017) This study explores the perception of Corporate Social Responsibility (CSR) among management students in India and Mauritius, aiming to understand whether they view CSR as a key factor in corporate effectiveness (CE), including profitability and long-/short-term success. Primary data was collected via questionnaires distributed to management institutes in both countries, using a sampling strategy. The study is qualitative in nature. It concludes that business education not only equips students with decision-making skills for professional tasks but also plays a crucial role in shaping their understanding of CSR and guiding informed career choices.

Panday A. (2023) This study examines the alignment between Sustainable Development Goal 4 (Quality Education) and corporate social responsibility (CSR) initiatives of companies. Using secondary data from annual and sustainability reports of 10 companies, it highlights how corporations benefit from skilled manpower developed by educational institutions. To ensure a steady supply of talent, firms are encouraged to support these institutions through CSR activities that enhance educational quality. The study concludes that, given the state's limitations in resources and expertise, corporate involvement in education via CSR can be a valuable supplement, leveraging private sector capabilities to address broader developmental challenges, particularly in education and related sectors.

Shukla P. (2021) The study explores various Corporate Social Responsibility (CSR) initiatives undertaken by companies in India to support and develop the education system, using secondary data. It aims to highlight the role of CSR in improving education by examining the facilities and programs offered to children. The findings suggest that while education is essential for India's future, challenges like skill-based learning, rural education, teacher training, and infrastructure need attention. Despite government efforts over the years, issues persist, and India still ranks third in literacy per UNESCO. Given the government's limited resources, the study emphasizes the crucial role of corporate CSR in addressing educational shortcomings.

OBJECTIVES OF THE STUDY:

1. To study CSR educational programs flaws and future programs.
2. To know the initiatives and strategies for CSR in education Sector.
3. To examine the status of CSR in education sector, to evaluate the top CSR initiatives and strategies in education sector, to study key issue and challenges in education sector.

RESEARCH METHODOLOGY:

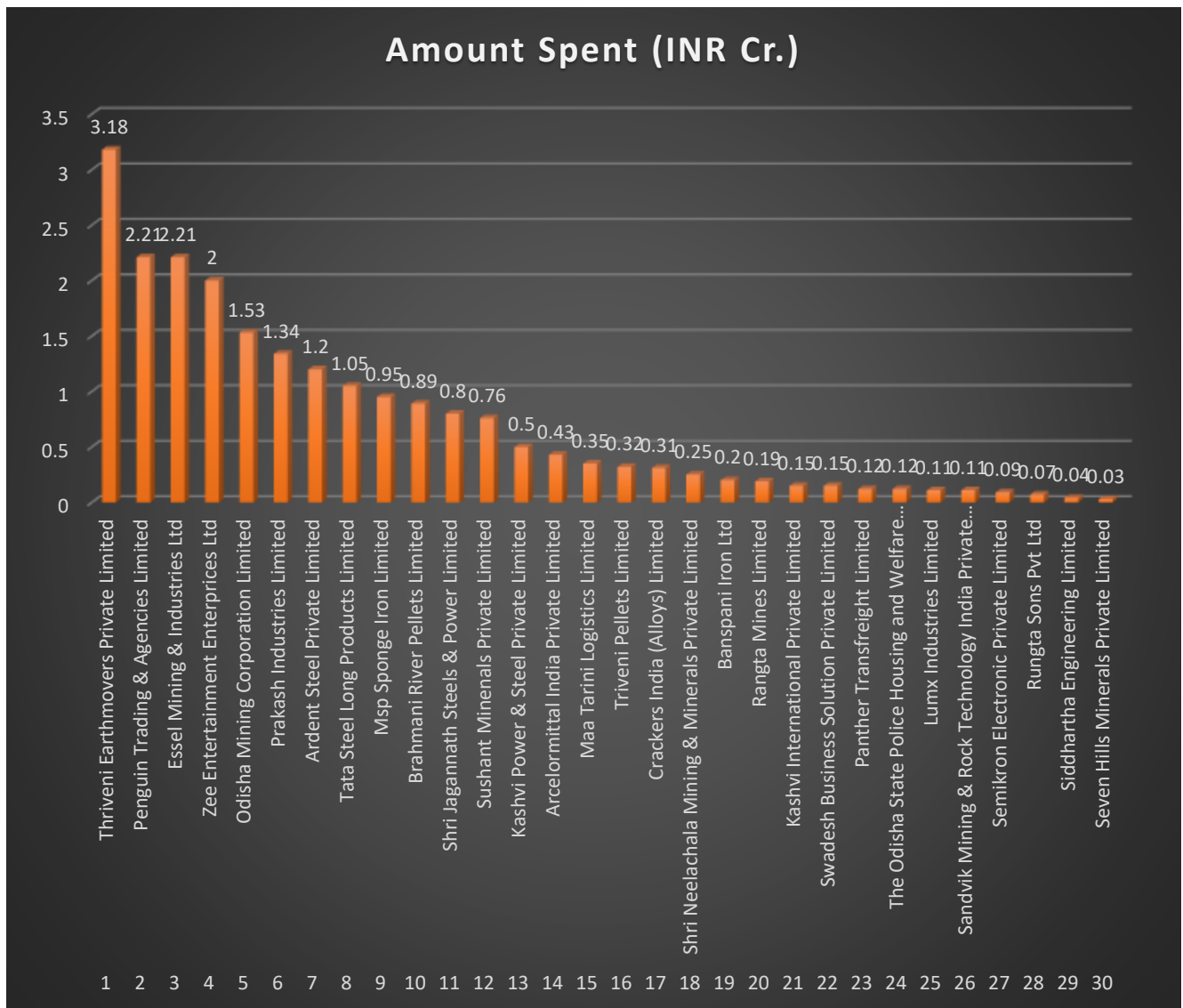
This paper is analytical in nature and it is based on secondary data. Basically, the practices on CSR are conducted in various areas but education sector is selected for the purpose of this study as it is highly concentrated funding area as well as priority sector for corporates CSR funding. The major chunk of total CSR goes to this sector only. Under this study role and contribution towards educational ecosystem is highlighted. The relevant data for this paper is collected from national CSR portal, NGO box organisation, CSR box, NSE info base and from other reliable sources. The data under this paper is processed as per the requirements of the study. The secondary data also collected from various sources including books research paper, newspapers, magazines and websites is used for the purpose of study.

Analysis and Interpretation of Data

List of Keonjhar Districts Company spent in CSR

SLNO.	Company Name	Amount Spent (INR Cr.)
1	Thriveni Earthmovers Private Limited	3.18
2	Penguin Trading & Agencies Limited	2.21
3	Essel Mining & Industries Ltd	2.21
4	Zee Entertainment Enterprises Ltd	2

5	Odisha Mining Corporation Limited	1.53
6	Prakash Industries Limited	1.34
7	Ardent Steel Private Limited	1.2
8	Tata Steel Long Products Limited	1.05
9	Msp Sponge Iron Limited	0.95
10	Brahmani River Pellets Limited	0.89
11	Shri Jagannath Steels & Power Limited	0.8
12	Sushant Minenals Private Limited	0.76
13	Kashvi Power & Steel Private Limited	0.5
14	Arcelormittal India Private Limited	0.43
15	Maa Tarini Logistics Limited	0.35
16	Triveni Pellets Limited	0.32
17	Crackers India (Alloys) Limited	0.31
18	Shri Neelachala Mining & Minerals Private Limited	0.25
19	Banspani Iron Ltd	0.2
20	Rangta Mines Limited	0.19
21	Kashvi International Private Limited	0.15
22	Swadesh Business Solution Private Limited	0.15
23	Panther Transfreight Limited	0.12
24	The Odisha State Police Housing and Welfare Corporation Limited	0.12
25	Lumx Industries Limited	0.11
26	Sandvik Mining & Rock Technology India Private Limited	0.11
27	Semikron Electronic Private Limited	0.09
28	Rungta Sons Pvt Ltd	0.07
29	Siddhartha Engineering Limited	0.04
30	Seven Hills Minerals Private Limited	0.03

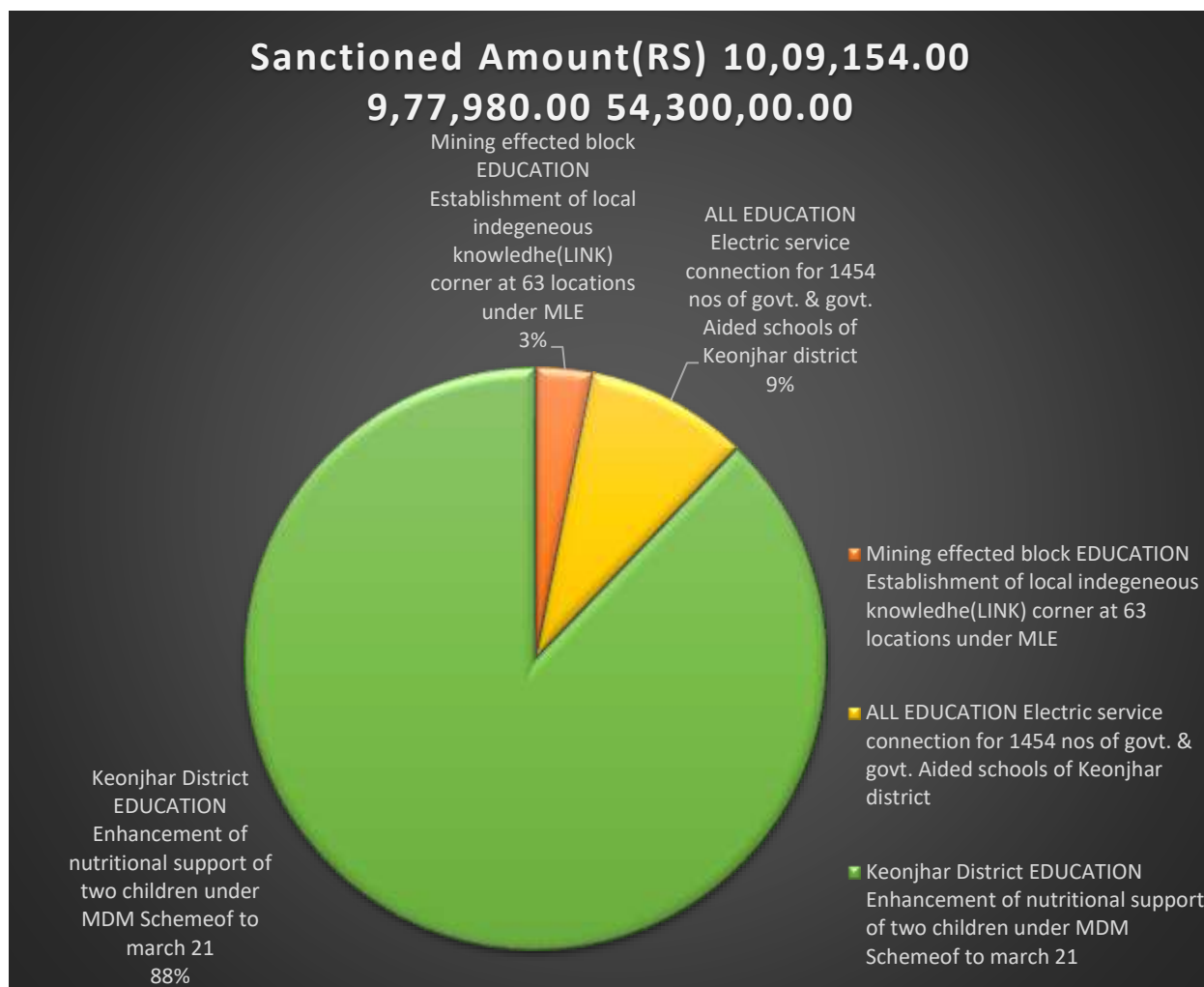


Interpretation

The above graph shows the company wise CSR fund, in which the amount of CSR spend in Triveni Earthmovers private Ltd. Highest among all i.e. 3.18 Cr. Penguin trading and agencies Ltd. is second in the CSR spending i.e. 2.21 Cr. Essel mining and industries Ltd. is third in the CSR spending i.e. same as second. Seven hills mineral private Ltd. is lowest in the CSR spending i.e. 0.03 Cr.

Annual report of DMF Education in year 2019-2020

SL.NO	Name of the executing agency	Block/Municipality	Sector	Name of the project	Sanctioned Amount (RS)	Sanctioned Ordered with date
1.	DEO Keonjhar	Hatadihi	EDUCATION	Provision for gpa filling at OAV Sundarpal	10,09,154.00	1047/16.07.19
2.	DEO Keonjhar	Ghasipura	EDUCATION	Provision for gpa filling at OAV Sundarpada	9,77,980.00	1047/16.07.19
3.	DPC SSA	Keonjhar District	EDUCATION	DMF scholarship scheme in Keonjhar dist. for the eligible student of class iii,v & viii of all schools	54,30,000.00	1108/23.07.19
4.	DPC SSA	Mining effected block	EDUCATION	Establishment of local indigeneous knowledhe(LINK) corner at 63 locations under MLE	63,00,000.00	2000/16.12.19
5.	DPC SSA	ALL	EDUCATION	Electric service connection for 1454 nos of govt. & govt. Aided schools of Keonjhar district	1,82,98,590.00	504/13.03.20
6.	DEO Keonjhar	Keonjhar District	EDUCATION	Enhancement of nutritional support of two children under MDM Scheme of to march 21	17,77,15,392.00	1054/16.07.19



The above graph shows that the amount sanctioned by CSR in Keonjhar District to enhancement of nutritional support of two children under MDM Scheme is Rs 17,77,15,392.00 is highest amount of all sanctioned list. Next the executing agency DPC SSA to the all blocks for development of education sanctioned Rs 1,82,98,590.00 in project of electric service connection for 1454 numbers of govt. schools on 13/03/2020. Mining effected block education establishment of local indigenous knowledge(link) corner at 63 locations under MLE.



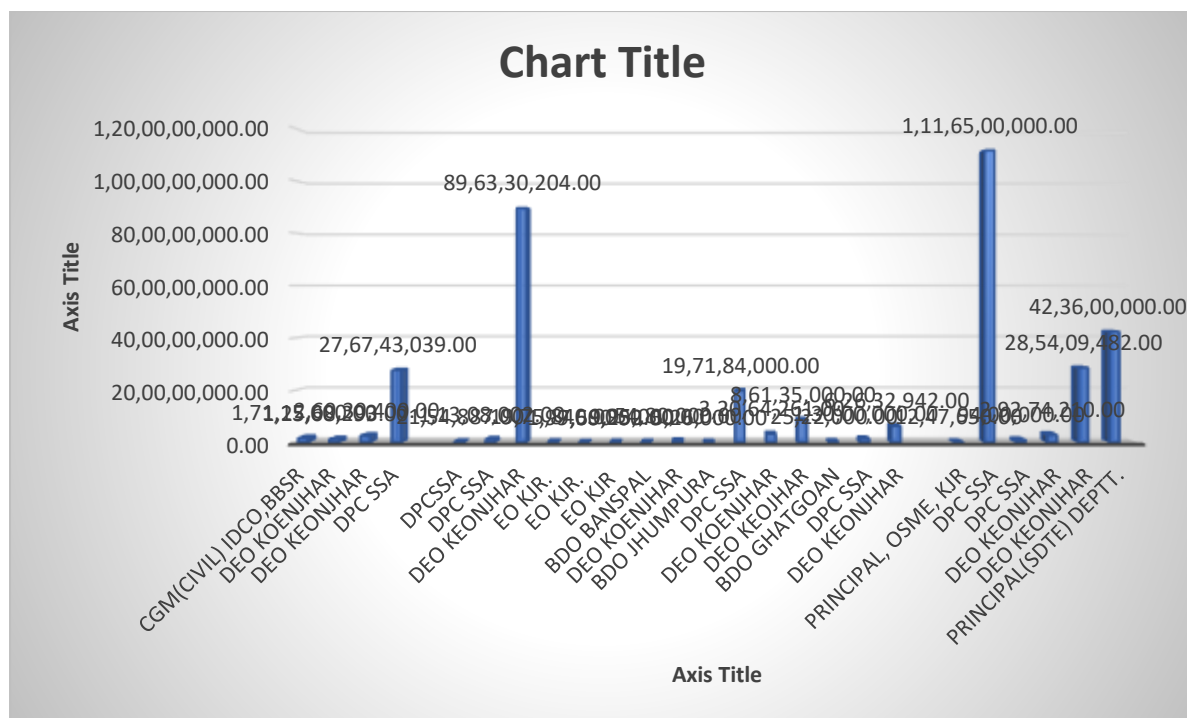
Interpretation

The above Chart shows that DMF funding according to annual report 2020-21 the DPS SSA contribute to provision of desk and bench in all govt. schools of keonjhar district that is Rs.73,33,24,936.00 in amount. Following comes the DEO Keonjhar contribute keonjhar's district all blocks on 18/06/2020 to enhancement of nutritional support to children under MDM Scheme upto March 2021, the amount is sanctioned Rs 12,68,47,021.00 .

❖ **The details of the project undertaken in FY 2021-22**

Sl. No.	Name of the Executing Agency	Year	Block/ Municipality	Name of the Project	Sanctioned Amount(Rs.)	Sanction Order With Date
1	CGM(Civil) IDCO,BBSR	2021-22	Sadar	Const. Of infrastructure & upgradation of DD Tribal Sports Hostel Complex in Sankarpur	1,71,15,000.00	33/ 04.01.22
2	DEO Koenjhar	2021-22	All	Extension Of entitlements under RTE up to Secondary level	1,25,68,293.00	2187/ 23.11.21
3	DEO Keonjhar	2021-22	Keonjhar	Extension of entitlements under RTE up to Secondary level (School Unifrom)	2,60,30,400.00	2187/ 23.11.21
4	DPC SSA	2021-22	All	Transformation campaigning of 100 govt. and aided schools of keonjhar district (Infrastructure PH-I)	27,67,43,039.00	1013/ 24.06.21 79/ 10.01.22
5	DPCSSA	2021-22	All	LT extention connection for 76 schools in keonjhar district	21,54,887.00	1184/ 15.07.21
6	DPC SSA	2021-22	All	Establishment of Hanging/portable Library in all govt. and aided high school in Kjr District	1,13,08,002.00	1177/ 15.07.21
7	DEO Keonjhar	2021-22	Keonjhar	Establishment of smart lab for upgradation/const.of school infrastructure in govt. and aided schools	89,63,30,204.00	1281/ 03.08.21
8	EO Kjr. Municipality	2021-22	Keonjhar	Const. of Gopaljew Phataghara in Oldtown Near BadaDanda	19,75,840.00	1414/ 11.08.21
9	EO Kjr. Municipality	2021-22	Keonjhar	Completion of district Tribal Resources Centre, Keonjhar	1,99,600.00	1414/ 11.08.21
10	EO Kjr Municipality	2021-22	Keonjhar	Renovation of Dist. Tribal resources Centre, kjr	7,59,252.00	1414/ 11.08.21
11	BDO Banspal	2021-22	Banspal	Completion of govt. upgraded high school at Jantari	9,95,000.00	1522/ 02.09.21
12	DEO Koenjhar	2021-22	Keonjhar	DMF Schorlarship Scheme in Kjr Dist. For the eligible students of Class X for govt. and aided School by OAVs(280 students) for the year 2021	54,80,000.00	1533/ 03.09.21
13	BDO Jhumpura	2021-22	Jhumpura	Completion of Library room at Balibandha H/S	5,26,000.00	1576/ 03.09.21

14	DPC SSA	2021-22	All	Transformation Campaign of 100 Govt. & Aided Schools Of Keonjhar Dist.(Gap filling)	19,71,84,000.00	1568/ 03.09.21
15	DEO Keonjhar	2021-22	Keonjhar	Furniture for teachers, students and green board for upgradation/construction of school infrastructure in (100) govt. and aided school-5T program	3,20,64,261.00	1717/ 29.09.21
16	DEO Keonjhar	2021-22	Keonjhar	DMF Scholarship Scheme In keonjhar District For the eligible student of class X for govt. and aided schools for the year 2021	8,61,35,000.00	1902/ 28.10.21
17.	BDO Ghatgoan	2021-22	Ghatgoan	Completion of on-going projects on transformation at NK H/S Brahatipura & NG H/S Pipla	25,22,000.00	1912/ 28.10.21
18.	DPC SSA	2021-22	All	Transformation campaigning of 100 govt. and aided schools of Kjr dist. (Speking wall and other related activities)	1,30,00,000.00	1920/ 28.10.21
19.	DEO Keonjhar	2021-22	Keonjhar	Establishment of 140 digital classroom for upgradation/ construction of school infrastructure in govt. and aided school	6,26,32,942.00	2115/ 17.11.21 394/ 17.02.22
20.	Principal, OSME, Kjr	2021-22	Kendujharghar	Upgradation facilities at OSME, keonjhar (for 125 KVADG set)	12,47,650.00	2078/ 04.12.21
21.	DPC SSA	2021-22	All	Upgradation/construction of school infrastructure with learning and provision of sitting facilities in govt. and aided 203 school(infrastructure & Aesthetic components Ph-II)	1,11,65,00,000.00	2391/ 21.12.21
22.	DPC SSA	2021-22	All	Establishment of local indigenous knowledge corner at 20 location under MLE	94,00,000.00	2416/ 21.12.21
23.	DEO Keonjhar	2021-22	Keonjhar	Const. of science lab for upgradation/const. of school infrastructure in 278 govt. and aided school	2,9274,210.00	2424/ 21.12.21
24.	DEO Keonjhar	2021-22	Keonjhar	Transformation, campaigning of 304 secondary schools of keonjhar district(furniture for techers,students and green board)	28,54,09,482.00	443/ 02.03.22
25.	Principal(SDTE) Deptt.	2021-22	Sadar	Installation of laboratory at GEC,keonjhar	42,36,00,000.00	539/ 09.03.22



INTERPRETATION

In the above chart the total amount sanctioned is Rs. 351.11 Cr. To the executive agency DEO Keonjhar And DPS , SSA Keonjhar . A total number of 25 projects are approved. The DEO Keonjhar Sanctioned Rs. 89,63,30,204.00 is to establishment of smart lab for upgradation of school infrastructure in govt. schools. On 03/08/21. Following Comes the Principal(SDTE) Department contribute to Sadar for installation of laboratory of GEC Keonjhar is Rs. 42,36,00,000.00 on 09/03/2022.

FINDINGS

This study finds that: -

1. The total amount spent in company to CSR of Odisha is 293.3 Cr.
2. The highest amount spent in Triveni Earthmovers Private Limited to CSR i.e., amount 3.18 Cr in Keonjhar district of Odisha.
3. The lowest amount spent in Banspal Iron Limited to CSR i.e. amount 0.2 Cr. In Keonjhar district of Odisha.
4. 20 projects sanctioned in the FY 2020-2021 in Education sector by the CSR i.e., 1,10,44,67,573.00.
5. The highest amount spent by CSR to the DEO Keonjhar for Enhancement of nutritional support of two children under MDM Scheme of to March 21 i.e. the amount 17,77,15,392.00.

SUGGESTION:

Corporate Social Responsibility (CSR) initiatives in the mining industry can significantly impact educational development in local communities like Keonjhar. Suggestions for a CSR project could include:

- Collaborate with local authorities to establish schools equipped with proper infrastructure and resources.
- Offer scholarships to bright students from the community to pursue higher education, vocational training, or skill development programs.
- Organize adult literacy programs to empower older members of the community who missed out on formal education.
- Conduct workshops to enhance the skills of local teachers, ensuring quality education delivery.
- Improve infrastructure in existing educational institutions, such as providing clean water, sanitation facilities, and libraries.

CONCLUSION

This study explores the role of Corporate Social Responsibility (CSR) initiatives by mining companies in enhancing the educational landscape of Keonjhar district, Odisha—a region significantly impacted by mining activities. With education as a high-priority sector for CSR funding, this research analyses how corporate interventions, particularly through CSR and District Mineral Foundation (DMF) funds, have contributed to educational development. The study is based on secondary data collected from national CSR portals, DMF annual reports, and various research publications.

In the fiscal year 2017-18 alone, approximately ₹47 crores were spent on CSR in Keonjhar, with ₹20.63 crores dedicated to education and skill development. Notable companies like Triveni Earthmovers, Penguin Trading, and Essel Mining were among the top contributors. DMF-funded projects have also played a crucial role, with significant allocations for smart classrooms, science labs, digital libraries, scholarships, infrastructure upgrades, and nutritional support under the Mid-Day Meal Scheme. For example, in 2021-22, over ₹351 crores were sanctioned for 25 educational projects, including ₹89.63 crores for establishing smart labs in government schools.

The literature review confirms that CSR initiatives positively affect educational access, quality, and infrastructure, while also promoting community engagement. However, challenges such as uneven implementation, lack of sustainability planning, and gaps in monitoring persist.

Key findings highlight a strong corporate presence in educational development but underscore the need for collaborative strategies involving local authorities, educators, and community members. Suggested interventions include teacher training, adult literacy programs, scholarships, and improved school facilities.

In conclusion, CSR initiatives in Keonjhar have significantly contributed to educational progress, but greater stakeholder coordination and long-term planning are essential to ensure sustainable and inclusive development. The study emphasizes that CSR can be a powerful tool to bridge educational gaps in mining-affected regions when implemented with strategic intent and local participation.

Reference

- Bhardwaj S. N., Barua N. (2022) “A Study on The Socio-Economic Impact of CSR Practices with Special References to Numaligarh Refinery Ltd. (NRL)”.
- Sen Rishita (2017) “Corporate Social Responsibility with Socio- Economic Development”.
- Verma Puja (2022) “A Study on Corporate Social Responsibility (CSR) and Its Role in Rural Development in India”.
- Das Kamal Kanti (2017) “Exploring the Role of Corporate Social Responsibility in Economic Development-A Theoretical Framework”.
- U.C. Dhavaleshwar and Mane Sangeetha R (2022) “Role and Effect of Corporate Social Responsibility in Community Development”.
- Patel Pravat R. (2020) Corporate Social Responsibility in India- A Path to Achieve Sustainable Development Goal”.
- Pradhan S., Ranjan A. (2010) “Corporate Social Responsibility in Rural Development Sector: Evidences from India”.
- Gautam V., Rani A., and Kumar P., (2017) “Corporate Social Responsibility: Challenges and Initiatives in India”.
- Shukla, P. (2021), The role of corporate social responsibility (CSR) in development of education in India. An International journal of education technology, 11(2):109-113.
- Thakur G. D. (2021), role of CSR in education sector: A study on perspective of better education through CSR. International journal of engineering and Applications www.ijera.com. ISSN:2248-9622.
- Deshmukh, P. (2017), CSR and education sector: Issues and Remedies. International Journal of Management, Vol.8 pp.137-144.
- Pandey, A., B.N Dubey (2023) Sustainable development goal for quality education and corporate social responsibility in India, Humanities and Social Science Studies, Vol. 11(2) , ISSN 2319-829X
- Saxena M. and D. K. Mishra (2017) ‘CSR perception: a global opportunity in management education’ Industrial and commercial Training, Vol. 49 Issue: 5,pp.231-244. <https://doi.org/10.1108/ICT-12-2016-0085>

Websites

- <https://csr.gov.in/content/csr/global/master/home/home.html>
- <https://shodhganga.inflibnet.ac.in/>
- <https://dmf.odisha.gov.in/district/KENDUJHAR>
- <https://csrbox.org>
- Annual report of DMF of Keonjhar, Odisha, India