An Imperative on Green Financing in the Perspective of Nepal

A. K. Mishra¹ & P. S. Aithal²

 ¹ D.Sc. Research Scholar, Srinivas University, India, and Associate Professor, United Technical College, Affiliated to Pokhara University, Bharatpur Metropolitan, Nepal, Orcid-ID: 0000-0003-2803-4918; Email: <u>anjaymishra2000@gmail.com</u>
² Professor, Institute of Management & Commerce, Srinivas University, Mangalore, India, Orcid-ID: 0000-0002-4691-8736; E-mail: <u>psaithal@gmail.com</u>

Subject Area: Business Management. Type of the Paper: Conceptual Paper. Type of Review: Peer Reviewed as per <u>[C|O|P|E]</u> guidance. Indexed In: OpenAIRE. DOI: <u>https://doi.org/10.5281/zenodo.7221741</u> Google Scholar Citation: <u>IJAEML</u>

How to Cite this Paper:

Mishra, A. K., & Aithal, P. S., (2022). An Imperative on Green Financing in the Perspective of Nepal. *International Journal of Applied Engineering and Management Letters (IJAEML)*, 6(2), 242-253. DOI: <u>https://doi.org/10.5281/zenodo.7221741</u>

International Journal of Applied Engineering and Management Letters (IJAEML) A Refereed International Journal of Srinivas University, India.

Crossref DOI: https://doi.org/10.47992/IJAEML.2581.7000.0155

Received on: 04/09/2022 Published on: 19/10/2022

© With Authors.



This work is licensed under a Creative Commons Attribution-Non-Commercial 4.0 International License subject to proper citation to the publication source of the work. **Disclaimer:** The scholarly papers as reviewed and published by the Srinivas Publications (S.P.), India are the views and opinions of their respective authors and are not the views or opinions of the S.P. The S.P. disclaims of any harm or loss caused due to the published content to any party.



An Imperative on Green Financing in the Perspective of Nepal

A. K. Mishra¹ & P. S. Aithal²

 ¹ D.Sc. Research Scholar, Srinivas University, India, and Associate Professor, United Technical College, Affiliated to Pokhara University, Bharatpur Metropolitan, Nepal, Orcid-ID: 0000-0003-2803-4918; Email: <u>anjaymishra2000@gmail.com</u>
² Professor, Institute of Management & Commerce, Srinivas University, Mangalore, India, Orcid-ID: 0000-0002-4691-8736; E-mail: <u>psaithal@gmail.com</u>

ABSTRACT

Purpose: The social imperative of Green Financing is most for saving the future. This imperative assessment focuses mostly on a new and innovative financial concept that is green financing, which is now functioning as one of the most important strategies to attain economic stability together with overall sustainable growth.

Design/Methodology/Approach: The research is descriptive in nature to analyze the future prospects of global financing in reference to Nepal. Literature based review dominated conceptual research is exploratory in nature. The key informants were consulted personally. On the basis of advantages, disadvantages, status, and actions required the professionals' opinions were documented using steps recommended by grounded theory. The Focus Group Discussion among professionals other than key informants was also done after collecting data personally on the same agendas for validation of research. It is furthermore illustrated with help of Ecotourism case analysis. It could be said partial ABCD based discussion and content analysis accumulated the research.

Findings/Result: Globalization is having an increasingly negative impact on the environment, it is no longer an option for industries all over the globe to achieve overall green growth by adopting various green initiatives that allow them to achieve a climate-resilient future through both environmentalism and capitalism at the same time; rather, it is now a necessity rather than an option for them to do so. the function and relevance of green financing in not just one sector but for all other industries, which can embrace this concept in one way or another for the purpose of achieving total green growth has been illustrated. Despite the fact that green financing is currently a niche concept, the application finds to be highly beneficial.

Originality/Value: Both relevant and practical aspects for future financing in the form of green financing have been recognized within a broader context to create an appeal and awareness on an academic platform.

Paper Type: Research paper

Keywords: Economy, Economic Stability, Green Finance, Sustainable Development, Green Growth, Environmentalism, Capitalism

1. INTRODUCTION :

Nepal is a developing country that clearly illustrates budget gap needs wide exercise [1, 2]. Being small world and diverse ecology in Nepal, scope of green financing might be tremendous as per Kyoto protocol as no industry but having several raw materials may be useful for industry. The natural-ecological factor is one of the most significant macro-environmental elements, and it has an effect, either directly or indirectly, on the growth of industry all over the globe as the resources for industrial operation comes from environment and waste of it also settled to the same in one or different process through different process(Randal, A. 1987) [3]. In the present day, it has been shown to be the primary contributing element for overall sustainable-financial growth of the industries. The attraction of research studies on green financing in Banking sector assures that the future of bank applying green finance is really green [4-7], which is in accordance with the notion of 'Green Financing,' which in



turn is paving the way for overall 'Green growth' of the organization. In spite of the effects of Coronavirus on human wellbeing and economy, green financing is acquiring expanding energy all over the planet as a procedure to move planet towards a low-carbon emission. Nepal has a novel chance to gain from green finance conditions applies such as developing monetary instruments and innovation and laying out successful organizations.

Even though in recent years there has been an increasing concern around the globe to accomplish economic growth of the industries by up keeping the sustainability of natural resources, by building climate resilience, and by lowering the carbon emission (Hillsdon Mark, 2017) [8], which have become essential requirements for human well-being, social equality, and for minimizing environmental risks and sacrifices. Unless there is a powerful and advanced financial concept such as green financing, which ensures both economical and sustainable benefit for the companies, it will become impractical to achieve this goal. This is because it is natural for businesses to seek out financial growth and stability in addition to addressing other social concerns associated with sustainability. Therefore, the notion of green financing, which is presently considered a niche concept, would unquestionably be a silver line not only for one specific business, but for all other industries as well since it promotes general green growth.

Although policymakers and development experts do not share a common understanding of what constitutes and propels "green financing," there is also confusion regarding what this means for nations like Nepal. The idea is still extremely important in the context of rapid climate change and unsustainable development. There is broad consensus that green sectors offer prospects for developing and forest-rich nations like Nepal since fossil fuel-based and import-oriented consumerism-based economies are unsustainable for now and the future. The green economy is perhaps a smart way to achieve sustainable development (SD) in the context of Nepal. To execute green and low-carbon economic activities, it is necessary to create specialized strategies and methodologies for Nepal. To reduce poverty and promote sustainable development, a national policy must be created and the green economy must be used. Through effective development plans and programs actively controlled by underprivileged and entrepreneurial rural and urban communities and supported by government, nongovernment, and donor agencies, the economic growth rate must be maintained while eliminating poverty. In a developing nation like Nepal, implementing Green Economy programs is fraught with difficulties. Some of the biggest obstacles are building capacity and skills, transferring and retrofitting technology to Nepal's steep and mountainous terrains, investing heavily in processing, value addition, and mitigating climate change. Despite these limitations, implementing green economic policies and initiatives can help the different regions of Nepal thrive sustainably. Finally, multidisciplinary planning, interdisciplinary implementation, effective and participatory monitoring, and evaluation are all necessary for effective implementation.

Nepal is a hilly, underdeveloped, and landlocked nation which is frequently listed as one of the nation's most vulnerable to climate change. Poor socioeconomic development, unforgiving geography, insufficient institutional capacity to handle research, development, policy, and primarily underdeveloped infrastructures have all increased the vulnerability of communities and ecosystems and constrained their capacity for adaptation. With the aid of donor nations, the UN, and multilateral organizations, Nepal has made great strides during the past ten years, especially in the development and implementation of institutional procedures as well as policies and frameworks. International financing patterns for both climate and development finance are changing as global climate politics become more complex, forcing nations like Nepal to diversify their funding sources for climate change initiatives and incorporate them into their national development plans and strategies. To stop global warming, a significant amount of green financing is needed for the switch to green energy. To evaluate the integrated effects of energy, environment, and financial variables, research was developed for the green finance index using a common weight DEA composite indicator. The green finance index values that are produced vary from 0.98 to 0.71. The statistics show that Malta has the lowest score of 0.71, while Australia is third with 0.98. Iceland and Nepal both have scores of 1.00. India has a score of 0.15, while the UK has a score of 0.23 [9]. The results of this study provide insight into the function of green financing in reducing environmental pollution. For governments, institutions, industries, and



other organizations, we recommend many policy implications or remedies. Some of the projects that are currently implemented in Nepal are the UNDP project for Green Economy.

2. STATEMENT OF PROBLEMS :

In Nepal, the ongoing advancement of green financing is generally administrative driven. At the equivalent time, a few Banks and Monetary Foundations are likewise raising desire by joining forces with worldwide organizations and creating green financing instruments. The government should be supported to perform as expected through Nepal's Nationally Determined Contribution (NDC) to the Paris Agreement—the "Guidelines on Environmental and Social Risk and Management for Banks and Financial Institutions (ESRM)" adopted by Nepal Rastra Bank (NRB) by business society, entrepreneurs and industry leaders (UNDP-NP-GF-PolicyPaper-2022_0.pdf) [10]. This is especially significant in Nepal given the pattern arrangement of the nation as far as energy utilization is generally green in the first place, which is somewhat novel when contrasted with other nations in the area. The imperative attempted to assess the future for green financing in Nepal.

3. OBJECTIVES :

The imperative analysis aims to assure Role and Importance of Green Financing: The Key to the Global Green Economic Future in the perspective of Nepal.

4. METHODOLOGY :

This is an imperative write-up of the author through long experience of teaching and class room discussion under engineering and management professional level program on Environmental Issues at United Technical College, Madan Bhandari Memorial Academy Nepal, Nepal Engineering College, Institute of Engineering, Sanker Dev, Uniglobe, Pokhara University and many more. As supporting evidence for the research paper's analysis, this research paper makes use of qualitative secondary data, which is conceptual in nature and comprises inquiry data on green funding published in a variety of credible websites, publications, and journals. This is a documentary analysis. The research is descriptive in nature to explore the relevant literature and document conceptual facts. The key informants were consulted personally. On the basis of advantages, disadvantages, status, and actions required the professionals' opinions were documented using steps recommended by grounded theory. The Focus Group Discussion among professionals other than key informants was also done after collecting data personally on the same agendas for validation of research. Focus Group Discussion among professionals who have joined as master's student is the primary sources of research. On the basis of the classroom discussions, the idea were generated from technocratic professionals after which the consultation from professionals and key officials of the banking and financial sector also were done in one to one either through phone or physical meetings. At the end the results have been illustrated through case analysis of Ecotourism. The Advantages (A), Benefits (B), Constraints(C), and Disadvantages (D) have been attempted to analyse using a partial ABCD analysis technique. Partial ABCD techniques have been used in Focus Group Discussions among environment experts, banking experts, and development projects leaders to document the perceptions of professionals but the analysis is not presented in the same form. So, it is called partial ABCD [11] technique.

5. RESULTS AND DISCUSSION :

5.1 Green Finance and its Initiatives:

Green finance refers to any kind of organized financial activity that is developed to assure a better result for the environment (World Economic Forum). There are a variety of names for it, including climate finance, environmental finance, clean technology investment, green investing, eco-investing, and energy efficiency loans, among others. Through the Millennium Sustainable Goals (SDG) program run by the United Nations Development Programme, the concept was presented to the global community and given widespread exposure (UNDP, Goal 7). The fact that this new financial concept may simultaneously satisfy the requirements of ecology and capitalism is the primary advantage offered by it. This concept focuses primarily on reducing risks, increasing profits, and allocating sufficient funds in order to achieve total green growth. This allows a finance to become economically and socially secure while also creating a new path toward sustainability.

Green finance provides better insights into how to make money while saving the planet. This must happen simultaneously to save the mother earth from further harm, to save the replenishing resources



for future generations, and to avoid further negative consequences on industries, which are the largest contributors to increased carbon emissions and climate change. Therefore, this concept is attracting not only many NGOs and governments from across the globe but also enormous investors from every corner of the world, since these investors have correctly grasped that the green finance sector would be their source of future wealth. Lending and investing should be done on the basis of initiatives that contribute towards green growth, which is encouraged by the principles of green finance. This, in turn, makes lending less hazardous since the aim of the money is obvious with the balance of the environment. Several studies have somehow similar essence [12-22].

5.2 Green Financial Instruments and Efforts:

In order to acquire funds up to USD 46 billion for Nepal till 2030 as estimated by IFC, (2017), [23] the following are imperatives of some of the green financial instruments and efforts that should be implemented by a variety of organizations and governments:

5.2.1 Green Funds and IPO:

Many businesses that are controlled by private equity companies as well as other significant power industries are participating in the global funding to establish green fund organizations in order to provide financial support for sustainable development initiatives. Numerous national regulations have been implemented around the world, and a public-private partnership has been established in order to finance environmentally green projects in the funding of nations. Initial public offerings, also known as IPOs, are becoming increasingly popular as a means of raising capital for businesses and organizations engaged in environmentally green practices. Green IPOs are one of the most popular methods of doing so, and top companies all over the world, Business positioning of Nepal is improving though it lingers behind in accomplishing an environment tough and reasonable improvement pathway when checked in the worldwide setting out. According to figures accessible from 2018, Nepal positions 109 in GHG outflows positioning and 105 in SDG file positioning, which covers 157 of the193 UN part states. Nepal trails Sri Lanka and Bhutan in the record, however, has performed better than India, Bangladesh, Pakistan and Afghanistan doing altogether well in the territorial setting. By and large, Nepal has arrived at 61.6 percent of its way toward achieving all the SDGs whereas in India individual companies [10] such as Adani Green Energy Limited and Times Green Energy Limited, have already begun to take advantage of this opportunity. This is in the background of a venture hole which has been assessed between 10-15 percent of Gross domestic product every year over the course of the following decade for national points of view [24 & 25].

5.2.2 Green Bonds:

Green bonds, which can turn the fortune of a company offering it and are expected to attract the highest market value in the future, are one of the primary reasons for the blossoming of green finance. It is estimated that the market for green bonds could be worth \$2.36 trillion by the year 2023. Green bonds are expected to attract the highest market value in the future (World Economic Forum) [26].

5.2.3 Green loans:

There are many banks all over the world, such as ING, that not only provide green loans for sustainable development projects, but also provide normal loans at a lower interest rate for businesses that implement green ideas.

5.2.4 Green Insurance:

Even though many countries have not yet adopted these insurance policies to cover all environment pollution regarded risks and to compensate the ecological damages when they are made, it has been made a mandatory requirement for all polluting industries in countries like China in order to decrease environmental obligations and to ensure green growth at least in the future.

5.2.5 Green Ratings:

Similar to a credit rating system, green ratings are acquiring a lot of relevance for securing the capital as a variety of governments and investors are prioritizing the consideration of a company's sustainable growth aspects above only the company's economic success. There are three main green rating agencies in India: Leadership in Energy and Environment Design (LEED), the Indian Green Building Council, and Green Rating for Integrated Habitat Assessment. Every country can have its own green rating agencies or can follow certain international rating agencies by adopting various policies and regulatory frameworks adopted for that country. In India, these three green rating agencies are: Leadership in Energy and Environment Design (LEED), the Indian Green Building Council, and



Green Rating for Integrated Habitat Assessment where as in Nepal strong legal framework yet to be developed and few construction companies are claiming green building at their own level (Mishra and Rai, 2017) [27].

5.3 Significance of Green Finance in Industries:

Based on the study presented above, it is clear that there has been a shift toward placing a greater emphasis on sustainable development. This may be accomplished by adopting a secure financial model, such as Green Financing, which assures the growth of environmentally conscious industries. However, the most significant concept is that green financing is still more of a niche concept at this stage, and as a result, there is less awareness of it across many industries. This is because many industries believe that this concept is only applicable to industries that are related to agricultural and allied practices, which have direct effects on the growth of sustainability. However, despite the fact that they may feel completely disconnected from the idea of finance as a whole, businesses in all sectors need to be made aware of and given the opportunity to embrace this idea. This is because each of these sectors can relate to the concept of green growth and green financing in some way, shape, or form. An analysis of some of the practices that may tie different industries to the concept of green financing and that can be taken further for green growth is shown below, with particular industries serving as examples:

5.4 Green Finance and its Initiatives:

• Industries that are not now starting on sustainable development projects are starting certain green projects as their subsidiary projects, similar to how a software business may start a wind power plant for the production of electricity. Green Thumb is the name of a new initiative that the TATA Group is starting in India to demonstrate its commitment to green sustainability hope it will impress Nepal's Big corporations though many companies are self-claiming in Nepal.

• Because Qualifying Industries are required to participate in Corporate Social Responsibility (CSR), many industries in the country are voluntarily participating in linked Green Initiatives, which may further integrate green financing for the same projects.

• Manufacturing industries may reduce their carbon emissions by adopting specific environmentally green practices, which are presently garnering higher investments and priority loans for their environmentally green initiatives thanks to green financing. Philips has recently received priority lending and loans totalling around 1 billion euros at a lower rate of interest from The Dutch Bank-ING for the purpose of financing their green initiatives. This has resulted in a 10% reduction in the cost of capital for Philips.

• Not only the manufacturing industries, but also the service sector, such as that of the Education industry, has a huge unrecognized role to play in this, by providing educational programs and initiatives that promote the green growth not only among children, but also through various certification programs to corporate regarding the green financing. Not only are these roles under recognized, but they are also underappreciated. Big residential society like Suncity is attempting to adopt partial in its operation through maintaining greenery in its compound. Madan Bhandari Memorial Academy has some components of green system like rain water harvest, solar system but this thing cannot be said green finance as not brought in financial operation yet. University of Nepal should try to reduce waste of paper by publishing only very relevant in hard copy and only the number of required. Research should try to adopt green research approach through less print paper more productive paper on line with strong reason what you publish, not just where you publish for shake of publication. Strong implication of research should be assured, rather than just paying and publishing to give airs, I have published Q1, Q2....resulting into carbon production in the form of print against saving trees. Every organization should adopt meson through email during working for communication rather than just writing in register which even assures chances to make any changes after writing otherwise in some government office people print on paper and attach in register and again remove it if changes needed and type the new one print and replace. This may regarded as white stupidity. By the use of memos, we get chances to record even the changes easily this will make the explanation easy as we have seen the difficulty to explain during constitution explanation in Nepal at the time of parliament dissolution by Mr. KP Oli, Prime minister of Nepal. Additionally, we deploy social learning system for that part which we want to be brought in public (Bhagat et al, 2022) [28].



Some industries, like the aviation industry, which is one of the highest contributors of carbon emission, can take up green initiatives such as going for aircraft models that emit less carbon, which helps them to think of growing green and further to think of bringing in green financing for their innovative green initiatives. Some of the industries, like that of the aviation industry, which is one of the highest contributors of carbon emission.

All of these initiatives and programs for boosting green finance are continually being taken up and monitored by many international organizations like those of: the World Economic Forum in partnership with The City of London Corporation and the Green Finance Institute via its initiatives like Green Horizon Summit, which was organized to examine practical solutions and innovations in green finance to bring about total green growth throughout the globe.

The environment team at the United Nations is focused on bringing the International Financial System into alignment with the goal for sustainable development. Through its efforts, it is also assisting nations in reengineering their financial systems and establishing regulatory frameworks that are conducive to green financing.

Not only international organizations such as the World Economic Forum and the United Nations, but also many international banks and investors, are interested in green finance in order to build a net zero and climate resilient future in order to avoid the risks of unmitigated climate change, which has become a standard topic of discussion in boardrooms across the globe.

5.5 Outcomes and Findings:

5.5.1Advantages & Benefits:

It has been discovered that the contemporary financial concept of "Green financing" has proven to be a future fortune for industries to achieve an overall green growth as it brings in balance between both economic and sustainable benefits for a company by meeting the requirements of both environmentalism and capitalism at the same time. Not only does it secure a future that is robust to climate change, but it also avoids the risks of climate change that is unchecked, and as a result, it avoids the economic risks that are attributable to the extinction of resources.

The concept of green finance attracts greater investment possibilities and also decreases the cost of capital by 10–20% for companies having a higher green rating, even at the early phase itself through indirect benefits it may be more. This is because money is pouring into any form of asset that is labelled green or sustainable. Not only does this add value to the company's image, but it also adds value to the company's financial products such as bonds and stocks.

It is certain that green finance will be the fortune for the companies that proactively adopt and incorporate it. This is because in the future there are all possibilities of implying quantitative limits on certain types of brown lending by various governments across the globe in order to achieve green growth.

5.5.2 Constraints and Disadvantages:

Regardless, an absence of normal definition and understanding on the meaning of "green" with regards to Nepal is a huge obstruction. In expansion, absence of limit and mindfulness on green finance along the worth chain, deficiency of long-term finance, absence of pipeline of bankable green tasks, restricted credit data and absence of straight forwardness on environment related exposure and information are a few explicit hindrances to green finance for government perspective in Nepal. Lack of Capacity among Companies and trust to collaborate is putting back the companies to lead in green finance.

It has been discovered that despite the fact that an advanced financial concept such as green financing plays a significant part in achieving sustainable growth for industries, the concept is still regarded as a specialized one that is applicable to a smaller number of industries that are comparable to it, and despite the fact that it offers huge benefits, it is not as widely used as it could be. Several obstacles, including green-washing, which refers to making fraudulent claims of environmental compliance, as well as a proliferation of green loans, are presenting threats to the concept. Due to the fact that it is a relatively new financial concept, there are not yet well-defined boundaries, policies, or regulatory frameworks with which to monitor and regulate this concept.

6. ILLUSTRATION USING CASE OF ECOTOURISM :

The UN Environment focuses on different aspects to achieve this goal. It includes policy development for zero carbon emission projects. Asses the project for technical assessment as well as environmental assessment to ensure it follows sustainable development criteria. As a part of the green economy, ecotourism makes a significant contribution to the Gross Domestic Product (GDP) of both public and private institutions. Developing nations with distinctive natural environments and cultures, like Nepal, have an advantage in the ecotourism industry. Through locally-led tourism initiatives to protect natural habitats, it creates jobs for unskilled workers in rural areas. With a total area of 147,181 square kilometres, Nepal is a small nation with diverse topography, a mild climate, and a rich natural and cultural history. The Himalayan ranges, natural beauty, protected regions, rich biodiversity, breathtaking terrain, unique cultural history, and mosaic of ethnic diversity are just a few of its many notable features. It is also recognized for its physiographic and eco-climatic variations. It is one of the world's most daring cultural and ecotourism attractions, and its success hinges on how well the environment is preserved. The world's tallest mountain range and numerous other cultural and natural treasures are its principal draws. From the Kanchenjunga Conservation Area, Illam in the east to Khaptad and Shuklaphanta National Park in the west, there are numerous trekking routes and locations for ecotourists to discover Nepal's natural splendor.

The positive and negative impact is seen from the research done in the community of Ghandruk village of Nepal by NTNC (National Trust for Natural Conservation) which includes 240 household people of that community [29]. Similar inference was found in many international studies [30-38] in their circumstances but the diversity of Nepal assures it more affective. The positive effect discoveries were ecotourism offers different items and administrations that can be classified as both a help and an encounter. Ecotourism destinations, for example, memorable houses or amusement parks, are fundamentally consumed for their experiential/profound aspects, which is more a portrayal of utilization of administration encounters instead of connecting with their useful properties. Hence, the mental advantages acquired by eco-tourists are considered more significant and significant in this specific situation. There is no contention between the advancement of planting and the protection of the climate. The advancement of country the travel industry furnishes the residents with second income. This concept may be recalled as sale of airs, waters and many more. There are many research results on green technology, green education, green banking practices, and other green industries [39-49].

7. ACTIONS AND SUGGESTIONS :

Because green finance is not only a concept of requirement of sustainable development but also a sophisticated financial concept of fortune for all industries, it has to be popularized and regularized by adopting different initiatives, policies, and regulatory frameworks from various local government and organizations together with various international organizations. This will allow it to become more widely used. It should come as no surprise that in the not-too-distant future, this concept will be a compelling factor rather than an option due to the various stringent policies and laws undertaken by various governments across the globe. Because of this, it is important that all financial institutes adopt and incorporate the concept of green finance as soon as possible.

In order to prevent green washing and the multiplicity of it, there is a demand for standardized policies and well-defined limits for monitoring the green finance. As initial steps, it is basic to accomplish the low balancing organic products in the country. These incorporate boosting both administrative organizations and BFIs to join global green organizations across the esteem chain to help green money limit building; distinguishing and working with potential financial backers and speculation reserves; getting government support in establishing an undeniable level green finance team with public interview; and giving low hanging reputational motivators for BFIs that are taking steps in green Finance.

Simultaneously, area explicit topical working bunches should be laid out who can work in distinguishing and planning an expected pipeline of green ventures and growth strategies upheld by lenders under extensive market and administrative evaluations. Venture takes a chance with should be recognized and moved across the lenders to see as the best model of funding. It is similarly essential to address the requirement for long haul funding and a shift away from security based supporting to



project based funding. There is likewise a requirement for an empowering climate on the development of private value and funding firms in the nation close by the development of public-private organizations in the green area. Specific consideration should be paid at guaranteeing admittance to green money to SMEs and that green money arrangements have natural, social and orientation shields at their center. To make green money alluring in the sub-public level, there is a requirement for nearby legislatures to have venture grade reliability. This requires tenable bookkeeping structures, sound monetary administration frameworks, free examining of nearby government money, and execution assessment for neighbourhood government services. The administrative methodology started by the Nepal Rastra Bank (NRB) should be supplemented by the confidential area and the market, like through the reception of intentional green rules and drives to make a comprehensive environment for green money pushing ahead.

Nepal's ongoing edge work includes interagency joint effort between monetary bosses/controllers, industry affiliations and Monetary Establishments. This joint effort likewise needs to incorporate other public organizations like ecological offices and services close by delegates of common society like NGOs, affiliations, and media. The monetary framework requires an incorporated approach that glances at the whole worth chain from financial backers to extend engineers with the administrative body boosting and helping these different partners. In the public level, a thought could be to give a pipeline of green bankable undertakings preferably from the degree of Service of Money and the Venture Leading group of Nepal predictable with worldwide best practices to build up speed and draw in financial backers. Nepal should prepare strong working paper to collaborate with Internal funding agency and developed countries for grant, not loan against its green development policy through clean development mechanism. There is a quick need in using green finance systems, like green securities, to guide supporting a green undertaking in the civil level alongside different partners including banks, confidential areas and regular support.

8. CONCLUSION :

This study paper has shown that green finance will be a future fortune for green growth of industries all over the world. Green finance also symbolizes a good shift in stability via the funding of universal economy as well as funding of individual green investments and public policies that promote green initiatives. Banks, other institutional and international financial institutions, and financial regulators all over the globe supply better financial ways via green financing in order to assure green growth. This is one of the primary reasons for the development of green finance. Because it satisfies the requirements of both ecology and capitalism at the same time, it has shown that it offers more long-term and sustainable advantages than the conventional form of brown financing. Large financial institutions and organizations are gravitating toward green finance because it provides superior knowledge into risk reduction, profitability, allocated finance, and how to generate money while preserving the world at the same time. Therefore, it should not come as a surprise that green finance is both a future fortune factor and a compelling factor. The concept of advanced company management is to attain an overall sustainable aim; therefore this should not be surprising.

9. ACKNOWLEDGEMENT :

The author is thankful to all the professionals who took part in discussions. The author took inspiration from the speech of M/s Ayshaine Medagangoda-Labe, resident representative of UNDP Nepal during Pokhara University Research Center workshop. Thank you my colleague Ar. Umesh Dhimal for fueling me to compose it. Special thanks to Bibhash Bhurer, Binaya Shrestha and Bishal Koirala from Madan Bhandhari Memorial Academy Nepal.

REFERENCES:

- [1] Mishra, A. K., & Aithal, P. S., (2021). Foreign Aid Movements in Nepal. International Journal of Management, Technology, and Social Sciences (IJMTS), 6(1), 142-161. DOI: <u>https://doi.org/10.5281/zenodo.4677825</u>. Google Scholar≯
- [2] Mishra, A. K., & Aithal P. S., (2021). Foreign Aid Contribution for the Development of Nepal. International Journal of Management, Technology, and Social Sciences (IJMTS), 6(1), 162-169. DOI: <u>https://doi.org/10.5281/zenodo.470864</u>. <u>Google Scholar</u>[↑]



- [3] Randall, A. Resource economics: An economic approach to natural resource and environmental policy. Second edition. United States. <u>https://www.osti.gov/biblio/6173184</u>. Google Scholar ス
- [4] Sharma, M., & Choubey, A. (2022). Green banking initiatives: a qualitative study on Indian banking sector. *Environment, Development and Sustainability*, 24(1), 293-319. Google Scholar X^{*}
- [5] Solekah, N. A. (2019). The effect of green banking product and green corporate image on green customers loyalty in green customers satisfaction syariah banking mediation. *Management and Economics Journal (MEC-J)*, 3(1), 81-94. <u>Google Scholar ×</u>³
- [6] Ullah, M. M. (2013). Green Banking in Bangladesh-A comparative analysis. World Review of Business Research, 3(4), 74-83. Google Scholar≯
- [7] Kapoor, N., Jaitly, M., & Gupta, R. (2016). Green banking: a step towards sustainable development. *International Journal of Research in Management, Economics and Commerce*, 7(1), 69-72. <u>Google Scholar</u>X¹
- [8] Hillsdon Mark, (2017). 'Green Finance: Can we bank on a clean energy future?' Reuters Events Sustainable Business. https://www.reutersevents.com/sustainability/green-finance-can-webank-clean-energy-future.
- [9] Iqbal, S., Taghizadeh-Hesary, F., Mohsin, M., & Iqbal, W., (2021). Assessing the Role of the Green Finance Index in Environmental Pollution Reduction. *Studies of Applied Economics: Sustainable Economics*, 39(3), 1-8. https://ojs.ual.es/ojs/index.php/eea/article/view/4140. <u>Google Scholar ×</u>
- [10] UNDP-NP-GF-PolicyPaper-2022_0.pdf) (2022). A Background Policy Paper on Green Financing in Nepal. United Nations Development Programme, UNDP, Nepal. https://www.undp.org/nepal/publications/background-policy-paper-green-financing-nepal.
- [11] Aithal, P. S., Shailashree, V, Kumar, P. M. (2016). Application of ABCD Analysis Framework on Private University System in India. *International journal of management sciences and business research*, 5(4), 159-170. <u>Google Scholar ≯</u>
- [12] Aluszak, G., & Wiśniewska-Paluszak, J. (2016). The role of green banking in a sustainable industrial network. *Bezpieczny Bank*, 4(65), 75-95. <u>Google Scholar</u>≯
- [13] Nath, V., Nayak, N., & Goel, A. (2014). Green banking practices–A review. IMPACT: *International journal of Research in Business Management*, 2(4), 45-62. <u>Google Scholar ≯</u>
- [14] Yadav, R., & Pathak, G. (2013). Environmental sustainability through green banking: A study on private and public sector banks in India. *OIDA International Journal of Sustainable Development*, 6(08), 37-48. <u>Google Scholar</u>×
- [15] Bihari, S. C., & Pandey, B. (2015). Green banking in India. Journal of Economics and International Finance, 7(1), 1-17. Google Scholar →
- [16] Zhelyazkova, V., & Kitanov, Y. (2015). Green Banking–Definition, Scope and Proposed Business Model. Journal of International Scientific Publications, 9(1), 309-315. Google Scholar×⁷
- [17] Tara, K., Singh, S., Kumar, R., & Sundararajan, M. (2019). Geographical Locations of Banks as an Influencer for Green Banking Adoption. *Prabandhan: Indian Journal of Management*, 12(1), 21-35. <u>Google Scholarx</u>
- [18] Hong, J., Zheng, R., Deng, H., & Zhou, Y. (2019). Green supply chain collaborative innovation, absorptive capacity and innovation performance: Evidence from China. *Journal of Cleaner Production*, 241(1), 118-377. Google Scholar x³
- [19] Yadav, Rambalak Pathak, & Govind Swaroop (2019). Environmental Sustainability through Green Banking: A Study on Private and Public Sector Banks in India. *German Development Institute* 201995, 3(5), 37-48. <u>Google Scholar</u>[×]
- [20] Anna Laskowska (2018). Green banking as the prospective dimension of banking in Poland. Ecological Questions, 29(1), 129-131. <u>Google Scholar≯</u>



- [21] Kaur, K., & Sandhu, V. (2019). Green Initiatives in Banking Sector: A study of state bank of India (SBI). ZENITH International Journal of Multidisciplinary Research, 9(7), 111-120. Google Scholarズ
- [22] Krishnamoorthy, B., & Shivkumar, A. (2020). Punjab National Bank: implementing core banking solution. *International Journal of Services Technology and Management*, 26(6), 502-519. <u>Google</u> <u>Scholar ≯</u>
- [23] IFC, 2017. Climate Investment Opportunities in South Asia An IFC Analysis. https://www.ifc.org/wps/wcm/connect/fa3bea68-20f1-4cb4-90b9-3e812d38067f/Climate+Investment+Opportunities+in+South+Asia+-+An+IFC+Analysis.pdf?MOD=AJPERES&CVID=1.raVua
- [24] World Bank (2019). New World Bank report highlights private sector solutions for sustainable infrastructure development in Nepal. https://www.worldbank.org/en/news/pressrelease/2019/09/10/new-world-bank-report-highlights-private-sector-solutions-for-sustainable-infrastructure-development-in-nep.
- [25] World Bank. 2020. Developing a Green Finance Taxonomy. http://documents1.worldbank.org/curated/en/953011593410423487/pdf/Developing-a-NationalGreen-Taxonomy-A-World-Bank-Guide.pdf
- [26] Fleming Scan, (2020). What is green finance and why it is important? World Economic Forumhttps://www.weforum.org/ agenda/2020/11/what-is-green-finance/
- [27] Mishra, A. K., Rai S. (2017). Comparative performance assessment of eco-friendly buildings and conventional buildings of Kathmandu valley. *International Journal of Current Research*, *9*(12), 62958-62973. <u>Google Scholar №</u>
- [28] Bhagat, C., Mishra, A. K., & Aithal, P. S., (2022). Model for Implementation of e-Government Services in Developing Countries like Nepal. *International Journal of Case Studies in Business*, *IT, and Education (IJCSBE)*, 6(2), 320-333. DOI: <u>https://doi.org/10.5281/zenodo.7139657</u>. <u>Google Scholar 2</u>
- [29] Anup, K. C. (2016). Ecotourism and its role in sustainable development of Nepal. *INTECH Open Science*, 31-59. <u>https://doi.org/10.5772/62308</u>. <u>Google Scholar ≯</u>
- [30] Cao, H., Tang, M., Deng, H., & Dong, R. (2014). Analysis of management effectiveness of natural reserves in Yunnan Province, China. *International Journal of Sustainable Development & World Ecology*, 21(1), 77-84. <u>Google Scholar №</u>
- [31] Hawkins, D. E. (2004). A Protected Areas Ecotourism Competitive Cluster Approach to Catalyse Biodiversity Conservation and Economic Growth in Bulgaria. *Journal of Sustainable Tourism*, *12*(3), 219-244. <u>Google Scholar ×</u>
- [32] Degang W. and Xiaoting H., (2006). Coincidence and Upgrade: A Typical Case Study of Rural Ecotourism Development. *Chinese Journal of Population Resources and Environment*, 4(1), 45-53. <u>Google Scholar №</u>
- [33] Gurung D. B. and Scholz R. W. (2008). Community-based Ecotourism in Bhutan: Expert Evaluation of Stakeholder-based Scenarios. *International Journal of Sustainable Development & World Ecology*, *15*(5), 397-411. <u>Google Scholar ≯</u>
- [34] Tyler D. and Dangerfield, J. M. (1999). Ecosystem Tourism: A Resource-based Philosophy for Ecotourism. *Journal of Sustainable Tourism*, 7(2), 146-158. <u>Google Scholar≯</u>
- [35] Genzong X., Penghua Q., and Shaoxia T., (2007). Nature Reserve and Ecotourism Development in China's Wuzhishan Mountain Region. *Chinese Journal of Population Resources and Environment*, 5(1), 74-83. Google Scholarx
- [36] Eagles, P. F. J. (2002). Trends in Park Tourism: Economics, Finance and Management. *Journal* of Sustainable Tourism, 10(2), 132-153. Google Scholar ≯

- [37] Brunet, S., Bauer, J., De Lacy, T., & Tshering, K. (2001). Tourism development in Bhutan: Tensions between tradition and modernity. *Journal of Sustainable Tourism*, 9(3), 243-263. <u>Google Scholar ×</u>
- [38] Maroudas L. and Kyriakaki A., (2001). The Perspectives of Ecotourism Development in Small Islands of the South Dodecanese. *Anatolia: An International Journal of Tourism and Hospitality Research*, *12*(1), 59-71. <u>Google Scholar ×</u>
- [39] Aithal, P. S., & Jeevan, P. (2016). How Service Industries Can Transform Themselves into Green Business Industries. *International Journal of Management Sciences and Business Research*, 5(4), 150-168. <u>Google Scholarx³</u>
- [40] Mendon, S., Salins, M., & Aithal, P. S. (2019). Challenges Associated with Running A Green Business in India and Other Developing Countries. *International Journal of Case Studies in Business, IT, and Education (IJCSBE), 3*(1), 35-47. <u>Google Scholar ×</u>
- [41] Aithal, P. S., & Rao, P. (2016). Green education concepts & strategies in higher education model. *International Journal of Scientific Research and Modern Education (IJSRME)*, 1(1), 793-802. <u>Google Scholar ×</u>
- [42] Aithal, P. S., & Jeevan, P. (2016). Strategic Rethinking of Management Education: Green MBA Model. International Journal of Management, IT and Engineering, 6(1), 55-73. Google Scholarx³
- [43] Aithal, S., & Aithal, P. S. (2021). Green and eco-friendly Nanotechnology–concepts and industrial prospects. *International Journal of Management, Technology, and Social Sciences* (*IJMTS*), 6(1), 1-31. <u>Google Scholar ×</u>
- [44] Aithal, P. S., & Aithal, S. (2016). Opportunities & Challenges for Green Technology in 21st Century. *International Journal of Current Research and Modern Education (IJCRME)*, 1(1), 818-828. <u>Google Scholar ×</u>
- [45] Prabhu, G. N., & Aithal, P. S. (2021). A Review-Based Research Agenda on Green Banking Service Practices through Green CSR Activities. *International Journal of Management, Technology and Social Sciences (IJMTS)*, 6(2), 204-230. Google Scholar ス
- [46] Prabhu, N., & Aithal, P. S. (2022). A New Model on Customers' Attraction, Retention, and Delight (CARD) for Green Banking Practices. *Retention, and Delight (CARD) for Green Banking Practices*, 7(1), 535-562. <u>Google Scholar ×</u>]
- [47] Mahesh, K. M., Aithal, P. S., & Sharma, K. R. S. (2022). Impact of Sustainable Finance on MSMEs and other Companies to Promote Green Growth and Sustainable Development. *International Journal of Applied Engineering and Management Letters* (*IJAEML*), 6(1), 60-76. <u>Google Scholar</u>.
- [48] Aithal, P. S. (2016). Ideal Banking Concept and Characteristics. *International Research Journal* of Management, IT and Social Sciences (IRJMIS), 3(11), 46-55. Google Scholar≯
- [49] Aithal, S., & Aithal, P. S. (2021). Green Nanotechnology Innovations to Realize UN Sustainable Development Goals 2030. International Journal of Applied Engineering and Management Letters (IJAEML), 5(2), 96-105. Google Scholar x³
