



### Short Review Paper

## Kalam's vision towards sustainable development in his writings

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### Abstract

*Dr. A.P.J. Abdul Kalam is one of the most eminent scientists of India. He was in charge of the SLV-3, India's first satellite launch vehicle, as well as the development and use of strategic missiles. Kalam has authored books on a wide range of subjects, which have been translated into many languages around the world. Wings of Fire, Target 3 Billion, India 2020: A Vision for the New Millennium, and Ignited Minds are among his most important works. Target 3 Billion is Kalam's collaboration with Srijan Pal Singh. Many of Srijan's articles on sustainability and development have appeared in prestigious journals. Srijan collaborated with Kalam to promote PURA as a system of sustainable development. The book contains novel solutions for long-term development. The book offers creative ways for sustainable development. The prejudices against affluence and basic human living standards must be overcome; this is both a major national responsibility and an international challenge.*

**Keywords:** Abdul Kalam, PURA (Provision of Urban Amenities in Rural Areas), Sustainability, Vision, Development.

### Introduction

As a representative of all Indians, Dr. A.P.J. Abdul Kalam asks himself, "What can I provide to the country?" Honor and respect among other nations, and putting a smile on his one billion fellow citizens' faces was his response<sup>1</sup>.

He was a man of vision who was constantly bursting with suggestions for the improvement of the nation. Dr. Kalam had an integrated action for a Developed India. He said that we have to transform India in five areas where it has core competence. They are: Agriculture and food processing, Education and healthcare, Information and communication technology, Infrastructure development, which includes reliable and quality electric power, surface transport and infrastructure for all parts of the country including rural and urban areas under PURA, and Self-reliance in critical technologies<sup>2</sup>.

### Sustainable Development

In his book Target 3 Billion, Kalam, a writer, concentrated on his and his co-author Srijan's first-hand experiences with the evolution and application of a sustainable development system in diverse places that benefit from diversity in input conditions and approaches. By utilizing the potential of the world's rural masses, the book will demonstrate how to carefully construct a sustainable development system of PURA while integrating the opportunities and problems of the current human civilization. Technology, people, traditions, talents, and entrepreneurial spirit are all combined in PURA with the goal of attaining sustainable development that is economically viable, socially equitable, and environmentally friendly<sup>3</sup>.

According to Kalam, the cornerstone for sustainable development is the emergence of happy, peaceful, and rich nations and civilizations<sup>4</sup>. According to Kalam, prosperity and peace must coexist for a sustainable development system to be fully implemented<sup>4</sup>.

Today, the challenges of the world are poverty, illiteracy, drinking water, clean and green energy, equitable distribution of resources, quality education with values for all, overcoming societal imbalances, curing diseases, quality healthcare for all and good living conditions. Development that satisfies current demands without compromising the capacity of future generations to satisfy their own needs is known as sustainable development. Sustainable development is an organizing principle for meeting human development goals while also sustaining the ability of natural systems to provide the natural resources and ecosystem services on which the economy and society depend.

The desired result is a state of society where living conditions and resources are used to continue to meet human needs without undermining the integrity and stability of the natural system. Growth must be achieved while taking into account both the natural world and humankind. Environmental protection, economic objectives, and social responsibility are all included. Only when there is a seamless, real-time connection between economic growth and social and cultural reform will the PURA concept be completely realised. When it comes to creating equity in opportunity, the combined improvement in technology, economy, and connection have a double-edged effect<sup>5</sup>.

The key to getting every citizen to engage in constructive activity is to give them economic and social authority. Societies that have economic success and steady expansion will be peaceful. Thus, the demand for sustainable development systems is not just national or regional but also worldwide. The concept of sustainable development must take into account a variety of factors, including the model's viability for both direct beneficiaries and non-beneficiaries, democratic principles, the environment, and system stability. Sustainability can be described broadly as including the following elements: Sustainability in the economy, Sustainability in technology, and Sustainability in society, Environmental protection, be mindful of sustainability, Capability to learn and adapt.

"Providing Urban Amenities in Rural Areas" is what PURA stands for. It is a socioeconomic framework for long-term expansion. As intended, it is intended to ensure a better living for the millions of Indians who currently live in poverty and are frequently a generation behind in access to basic human necessities, particularly in rural areas. In practise, PURA stands for a carefully thought-out effort to achieve an integrated and equitable development, beginning at the village home level. The fact that respectable professionals find village life unappealing is a common barrier to rural development.

PURA Corporation is an innovative yet doable solution that takes a new approach to giving everyone a place to participate in the nation's growth from the ground up. Its foundations are enterprise creation, sustainability, and integration. A structure like this might serve as a pillar for establishing thriving socioeconomic entities in the villages and throughout the developing countries. No one would live in poverty, and a lack of basic amenities would not prevent people from pursuing their goals. Such an empowered community would serve as the cornerstone of a country that is inclusively prosperous, universally enabled, and a true representation of a dynamic information society<sup>6</sup>.

We can only undertake a massive mission to empower rural people if we have the aim of transforming India into a developed country. The development of rural areas must follow a strategy that is both economically sound and environmentally sound. Through his travels to rural India, Kalam was able to prove that connectivity is a key factor in the country's problems. The connectivity Kalam is referring about would have four parts. In order for Economic connectivity to emerge and lead to self sufficiency, it is necessary to establish all four types of connectivity: Physical connectivity through the construction of roads in rural areas, Electronic connectivity through the establishment of a reliable communication network, Knowledge connectivity through the establishment of more professional associations and vocational training centers, By creating circular connectedness amongst rural village complexes, this concept will hasten rural development through empowerment. Kalam was certain that providing urban facilities in rural areas would be necessary to eradicate poverty (PURA). The model under

consideration is a habitat design that will enhance rural areas' quality of life and make specific recommendations to reduce urban congestion as well. The people of the village must move away from the metropolitan area, not the other way around. There must be a significant number of knowledge-powered village complexes created in each state. In other words, a circle route connecting 20-30 communities with roads offering physical connectedness Markets in this knowledge-powered village complex will also draw metropolitan commerce. Because land and buildings can be purchased for very modest prices in rural complexes, IT-enabled service firms can thrive there. To execute such massive projects, the best technology, procedures, and skilled, driven personnel must be used<sup>6</sup>.

The following are among the sustainable development objectives: no poverty, zero hunger, good health and well-being, quality education, gender equality, clean water and sanitation, affordable and clean energy, decent work and economic growth, industry, innovation, and infrastructure, decreased disparities, sustainable cities and communities, responsible consumption and production, climate action, life below water, life on land, peace, justice, and strong institutions.

Sustainable development can only be achieved via inventive leadership. Moral leadership has two parts, according to Kalam. It first demands the capacity for vivid and potent dreams or visions for the advancement of humanity. Second, it calls for a willingness to act morally and persuade others to follow the same<sup>7</sup>. Leaders that are creative can be as young as 25 or as old as 70. How does a successful leader operate? According to Kalam, a successful leader must be an expert in staffing. He needs to keep bringing in fresh talent for the company<sup>8</sup>. Kalam thought that a country's economy is driven by its level of competition. Technology and innovation are the fuels that drive competitiveness. Resources are invested to power technology and innovation. Revenue drives resource investment.

It is crucial to take into account Kalam's recommendations, which serve as solutions for putting into action sustainable activities. According to Dr. Kalam, the pyramid model's goals include providing clean water for drinking and water management in a sustainable manner, reducing pollution through technology and best practices, increasing the use of renewable energy to lessen reliance on fossil fuels, managing resources so as to prevent adverse effects on the environment and further diminishment of health and the environment, and enriching biodiversity in order to promote stability and economic prosperity in the world.

## **Conclusion**

We must collaborate foresightedly and in a mission mindset to meet the many demands of any form of development if we are to complete any task successfully. Environmental demands and concerns must be taken into account in national development initiatives including biodiversity and drug research, food

production in agriculture, integrated knowledge-powered rural development, and river networking. Any country that wants to provide its citizens with a wealthy, peaceful, and safe society must offer them more power. At different stages of development, parents can empower their children, transforming them into responsible adults. Good young people with strong value systems emerge when the instructor is equipped with knowledge and experience. When a person or a team is given access to technology, a shift to greater potential for success is guaranteed. Leaders are created when the head of any institution gives his or her followers the power to change the country in a variety of ways. When people are empowered, stability in society is guaranteed. The country's development is guaranteed when its political authorities use visionary strategies to empower the populace. When religion becomes a spiritual force, people develop a moral code and become enlightened citizens.

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