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A Literature Review on Implementation of PPP in Infrastructure Development: An Analysis of Constraints

Rupak Kumar Saha¹ and Prabakaran P A²

Post Graduate student, M.E Construction Management, Department of Civil Engineering¹
Assistant professor -II, M.E Construction Management, Department of Civil Engineering²
Kumaraguru College of Technology, Coimbatore, Tamil Nadu, India

Abstract: This literature review paper examines the implementation of Public-Private Partnerships (PPP) in infrastructure development, focusing on the constraints that affect their successful implementation. The paper analyses relevant literature on PPP implementation, including case studies, government reports, and academic research. The findings suggest that while PPPs can offer significant benefits in infrastructure development, their implementation is often constrained by factors such as regulatory frameworks, political risks, financial viability, and institutional capacity. The paper provides a comprehensive overview of the constraints associated with PPP implementation and offers insights into potential solutions that can address these challenges. Overall, this paper contributes to a deeper understanding of the complexities of PPP implementation in infrastructure development and provides useful recommendations for policymakers and practitioners involved in PPP projects.

Keywords: Public-Private Partnerships, Infrastructure Development, Constraints, Implementation, Regulatory Frameworks

RFEERENCES

- [1]. Abd Karim, N. A. (2011). Risk allocation in public private partnership (PPP) project: a review on risk factors. International Journal of Sustainable Construction Engineering and Technology, 2(2).
- [2]. Baruah, P. &Kakati, M. (2016). Critical Risk Factors of PPP Infrastructure Projects in India: A Practitioner's View. The International Journal of Business & Management, 4(5).
- [3]. Chan, A. P., Yeung, J. F., Yu, C. C., Wang, S. Q., &Ke, Y. (2011). Empirical study of risk assessment and allocation of public-private partnership projects in China. Journal of management in engineering, 27(3), 136-148
- [4]. Cheung, E., Chan, A., & Kajewski, S. L. (2012). Factors contributing to successful public private partnership projects: comparing Hong Kong with Australia and the United Kingdom. Journal of Facilities Management, 10(1), 45-58.
- [5]. De Bettignies, J. E., & Ross, T. W. (2004). The economics of public-private partnerships. Canadian Public Policy/Analyse de Politiques, 135-154.
- [6]. Grimsey, D., & Lewis, K. K. (2004). Public private partnerships. Cheltman, United Kingdom: Edward Elga
- [7]. Grossman, S. J., & Hart, O. D. (1986). The costs and benefits of ownership: A theory of vertical and lateral integration. Journal of political economy, 94(4), 691-719.
- [8]. Gupta, R. A. J. I. V. (2015). Issues in airport infrastructure development under public private partnership. International Journal of Business Management Intervention (IJBMI), 4(6), 66-77.
- [9]. Grout, P. A. (1997). The economics of the private finance initiative. Oxford Review of Economic Policy, 13(4), 53-66.
- [10]. Graham, J. R., & Harvey, C. R. (2001). The theory and practice of corporate finance: Evidence from the field. Journal of financial economics, 60(2-3), 187-243.

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- [11]. Awan, A., Asghar, N., and Rehman, H. U. (2011), The impact of exchange rate, fiscal deficit, and term of trade on external debt of Pakistan, "Australian Journal of Business and Management Research", Vol. 1 (3), 10-24.
- [12]. Irwin, T. (2007). Government guarantees: Allocating and valuing risk in privately financed infrastructure projects. The World Bank
- [13]. Iyer, K. C., & Jha, K. N. (2006). Critical factors affecting schedule performance: Evidence from Indian construction projects. Journal of construction engineering and management, 132(8), 871-881.
- [14]. Laksmanan, L. (2008). Public-private Partnership in Indian Infrastructure Development: Issues and Options. Reserve Bank of India.
- [15]. Mathur, S. (2017). Analysis of Critical Risk Factors in implementation of Public Private Partnership Road projects in A.P. Research Journal of Social Science & Management, 6(12),5-16.
- [16]. Pai, S., Patnaik, B., Mittal, D. A., & Anand, D. N. (2018). Identification of Risks Causing Time and Cost Overrun in Roads and Highway Projects in India. International Journal of Civil Engineering and Technology, 9(3).
- [17]. Pathan, E. R., &Pimplikar, S. S. (2013). Risk assessment of BOT road projects. J. Mech. Civ. Eng, 5(3), 40-59.
- [18]. Treasury, H. M. (2012). Equity investment in privately financed projects. London: The Stationery Office
- [19]. Zou, P. X., Wang, S., & Fang, D. (2008). A life cycle risk management framework for PPP infrastructure projects. Journal of financial management of property and construction.
- [20]. Beaty, C., Lieu, H. 2012. Development of an Early-Stage Toll Revenue Estimation Model. UTCM project #09-22-02, Texas Transportation Institute, College Station, TX, USA
- [21]. Shahbaz, M., Abdul, J., and Islam, F.(2010). Real Exchange Rate Changes and Trade Balance in Pakistan.Munich Personal RePEcArchive, 1-18.
- [22]. Engel, E., Fischer, R., Galetovic, A. (2018). The Joy of Flying: Efficient Airport PPP Contracts. Transportation Research Part B, 114, 131-146.
- [23]. Han Qing (2023) The role of public-private partnerships in selling, general, and administrative cost stickiness, Cogent Economics & Finance, 11:1, 2174650,)
- [24]. BRI Data. (2021). Annual report of China's PPP market in2020 from www.bridata.com, Accessed April 6, 2021.
- [25]. Cheng, Z., Ke, Y., Lin, J., Yang, Z., & Cai, J. (2016). Spatiotemporal dynamics of public private partnershipprojects in China. International Journal of ProjectManagement, 34(7), 1242–1251
- [26]. Chu, Y. C. (2022). Research on Risk Cooperative Governance of PPP Projects Based on Trust. Price theory and pratice, 3, 186–190.
- [27]. Wan, Y. K. P., Li, X., Lau, V. M. C., & Dioko, L. D. (2022). Destination governance in times of crisis and the role of public-private partnerships in tourism recovery from COVID-19: The case of Macao. Journal of Hospitality and Tourism Management, 51, 218–228.
- [28]. Zhang, Z., & Jia, M. (2012). A experimental study on allocation of control rights in PPPs. Journak of Systems and Management, 21, 166–179
- [29]. Zhao, Z. Y., Zuo, J., & Zillante, G. (2013). Factors influencing the success of BOT power plant projects in China: A review. Renewable and Sustainable Energy Reviews, 22, 446–453.
- [30]. Greco, L. (2015). Imperfect bundling in public-private partnerships. Journal of Public Economic Theory, 17 (1), 136–146.

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