

International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

Volume 2, Issue 1, May 2022

Study of Cashflow Constrains in a Construction Project

Rupeesh S¹ and P. A. Prabakaran² PG Student, Department of Construction Management¹ Assistant Professor, Department of Civil Engineering² Kumaraguru College of Technology, Coimbatore, India

Abstract: A constraint is a condition, agency or force that impedes progress towards an objective or goal an and Construction industry is a one of the most risky sectors due to high level of uncertainties included in the nature of the construction projects. Although there are many reasons, the deficiency of cash is one of the main factors threatening the success of the construction projects and causing business failures. Therefore, an appropriate cash planning technique is necessary for adequate cost control and efficient cash management while considering the risks and uncertainties of the construction projects. The main objective of this thesis is to conduct a brief study of cash flow management. ,its various aspects ,The factors influencing a cash.To prepare a questionnaire to identify the factors impact on current markets cashflow status by using satical pacakage for social science(SPSS)software and to develop a framework. The linguistic expressions are used for utilizing from human judgment and approximate reasoning ability of users for reflecting their experience into the model to create cash flow scenarios. The uncertain cost and duration estimates gathered from experts are inserted in the model. The model provides the user different net cash flow scenarios with formats that are beneficial for foreseeing possible cost and schedule threats to the.

Keywords: Cost Overrun, Time Overrun, Stakeholder Management, Survey Response.

REFERENCES

- Abdul Kadir, M.R., Lee, W.P., Jaafar, M.S., Sapuana, S.M., Ali, A.A. (2005). Factors affecting construction labour productivity for Malaysian residential projects. Structural Survey, 23(1), 42–54.
- [2]. Ailabouni, N., Gilado, K., Painting, No (2009). Factors affecting employee productivity in the UAE construction industry. In 25th Annual ARCOM Conference, Nottingham.
- [3]. Al Balushi, H., Al-Alawi, M., & Al-Shahri, M. (2020). Modeling, investigating, and quantification of the hot weather effects on construction projects in Oman. The Journal of Engineering Research, 17(2), 89–99.
- [4]. Al-Abbadi, G.M., Agyekum-Mensah, G. (2019). The effects of motivational factors on construction professionals productivity in Jordan. International Journal of Construction Management, 1– 12. https://doi.org/10.1080/15623599.2019.1652951.
- [5]. Alaghbari, W., Al-Sakkaf, A. A., & Sultan, B. (2018). Factors affecting construction labour productivity in Yemen. International Journal of Construction Management, 19(1), 79–91
- [6]. Alinaitwe, H. M., Mwakali, J. A., & Hansson, B. (2010). Factors affecting the productivity of building craftsmen— Studies of Uganda. Journal of Civil Engineering and Management, 13(3), 169–176.
- [7]. Al-Kharashi, A., & Skitmore, M. (2009). Causes of delays in Saudi Arabian public sector construction projects. Construction Management and Economics, 27(1), 3–23
- [8]. Allen, W. A., & Wood, G. (2006). Defining and achieving financial stability. Journal Finiacial Stability, 2(2), 152– 172.
- [9]. Almathami, K.Y., Trigunarsyah, B., Coffey, V. (2017). Factors influencing productivity in construction. In The Ninth International Structural Engineering and Construction Conference. Valencia.
- [10]. Al-Rubaye, Z. R., & Mahjoob, A. M. R. (2020b). Using measured mile method to quantify the loss of labor productivity in Iraqi construction site. Asian Journal of Civil Engineering, 21, 1287–1296

Copyright to IJARSCT www.ijarsct.co.in

IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

Volume 2, Issue 1, May 2022

- [11]. Al-Rubaye, Z.R.A. Mahjoob, A.M.R. (2020a). Identify the main factors affecting labor productivity within different organizational structures in the Iraqi construction sector. In: The Fourth Postgraduate Engineering Conference. Ho Chi Minh.
- [12]. Authority of Small and Medium Enterprises Development (Riyada), "SME Definition," 5 10 2020. https://riyada.om/en-us/aboutus/Pages/definesme.aspx.
- [13]. Bajjou, M. S., & Chafi, A. (2020). Empirical study of schedule delay in Moroccan construction projects. International Journal of Construction Management, 20, 783–800.
- [14]. Bartlett, J. E., Kotrlik, J. W., & Higgins, C. C. (2001). Organizational research: Determining appropriate sample size in survey research. Information Technology, Learning, and Performance Journal, 19(1), 43–50
- [15]. Chih, Y.-Y., Kiazad, K., Cheng, D., Lajom, J. A. L., & Restubog, S. L. (2017). Feeling positive and productive: Role of supervisor-worker relationship in predicting construction workers' performance in the Management, 143(8), 04017049.
- [16]. Doloi, H. (2008). Application of AHP in improving construction productivity from a management perspective. Construction Management and Economics, 26(8), 841–854.
- [17]. El-Gohary, K. M., & Aziz, R. F. (2014). Factors influencing construction labor producitivity in Egypt. Journal of Management in Engineering, 30(1), 1–1
- [18]. El-khalek, H. A., Aziz, R. F., & Morgan, E. S. (2019). Identification of construction subcontractor prequalification evaluation criteria and their impact on project success. Alexandria Engineering Journal, 58(1), 217–223.
- [19]. Enshaasi, A. (2014). Constraints to plestininan construction craftsmen productivity. In: The 22nd Annual Conference of the International Group for Lean Construction, Oslo
- [20]. Evanov, B. A., Rohlman, D. S., Strickland, J. R., & Dale, A. M. (2020). Influence of work organization and work environmenton missed work, productivity, and use of pain medicationsamong construction apprentices. American Journal of Industrial Medicine, 63(3), 269–276.
- [21]. Florez, L., Armstrong, P., & Cortissoz, J. C. (2020). Does compatibility of personality affect productivity? Exploratory study with construction crew. Journal of Management in Engineering, 36(5), 04020049.
- [22]. Ghoddousi, P., Poorafshar, O., Chileshe, N., Hosseini, M.R. (2015). Labour productivity in Iranian construction projects- Perceptions of chief executive officers. International Journal of Productivity and Performance Management, 64(6), 811–830.