## **IJARSCT**



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

Volume 2, Issue 2, June 2022

## **Bio-Bricks**

## Gaurav Rokade<sup>1</sup>, Vaibhav Yerme<sup>2</sup>, Gaurav Pithore<sup>3</sup>, Dhiraj Dixit<sup>4</sup>, Prof. S. Mane<sup>5</sup>

Department of Civil Engineering

Bharti Vidyapeeth College of Engineering, Lavale, Maharashtra, India

Abstract: India is among the main three makers of waste on the planet and produces colossal measure of agro-squander that should be arranged. Simultaneously, interest for natural substances, particularly blocks, is truly expanding for Indian development businesses. The bio blocks we created from normal agropaste have an immensely preferable net carbon impression over standard structure materials and are exceptionally modest and straightforward underway. Building development is one of the quickest developing enterprises in India and it puts an immense weight on its restricted regular assets. This study attempts to feature the utilization of elective materials and how they can be balanced to suit the Indian development industry. Bio-block or Agro-squander based block is one such material that can possibly be a maintainable and financially savvy arrangement.

Keywords: Demand, Bio-Aggregates, Bio-Bricks, Low-Density, Fire

## REFERENCES

- [1]. Aswale, S. (2015), "Brick making in india history", International Journal of Financial Services Management, Vol. 4, available at: https://doi.org/https://www.researchgate.net/publication/295387059\_BRICK\_MAKING\_IN\_INDIA\_-\_HISTORY.
- [2]. Awasthi, A., Singh, N., Mittal, S., Gupta, P.K. and Agarwal, R. (2010), "Effects of agriculture crop residue burning on children and young on PFTs in North West India", Science of the Total Environment, Elsevier B.V., Vol. 408 No. 20, pp. 4440–4445.
- [3]. Armstrong, L. (2015), "Building a sustainable future: The hempcrete revolution", Www.Cannabusiness.Com, available at: http://www.cannabusiness.com/news/science-technology/building-a-sustainable-future-thehempcrete-revolution/ (accessed 4 August 2018).
- [4]. Rautray, Priyabrata (1); Roy, Avik (2); Mathew, Deepak John (1); Eisenbart, Boris (3) (2019), Bio-bricks of sustainable and cost effective building material Article one.-india.
- [5]. Singh, V.K. (2017), "Alternative utilization of crop residues: Tackling negative impacts of burning in India", Krishijagran.Com, available at: https://krishijagran.com/featured/alternative-utilization-of-crop-residuestackling-negative-impacts-of-burning-in-india (accessed 27 October 2018).
- [6]. De Pandit, S. (2017), "The role of the pradhanmantriawas yojana (urban), 2015 in financial inclusion in India", International Journal of Recent Scientific Research, Vol. 8 No. 8, pp. 18959–18962.
- [7]. V.S. ARANGARAAJAN1, M. ARIVOLI,ECO FRIENDLY LOW-COST BIO-BRICK, Volume: 07 Issue: 07, https://www.irjet.net/.
- [8]. Roya Ahmadi a, BubakSouri a, Masood Ebrahimi, Evaluation of wheat straw to insulate fired clay hollow bricks as a construction material, https://www.journals.elsevier.com/journal-of-cleaner-production
- [9]. Karthik A. Sabapathy, Sateesh Gedupudi, On the influence of concrete-straw-plaster envelope thermal mass on the cooling and heating loads for different climatic zones of India, https://www.journals.elsevier.com/journal-of-cleaner-production

DOI: 10.48175/IJARSCT-5604