Development of Freight Generation Model in Urban Areas

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PROJECT OVERVIEW

Title: Development of Freight Generation Model in Urban Areas
Grant: Research Initiation Grant (2015-2017); Organisation: BITS Pilani

- Grant No.: RIG Head 06/03/302
- Sanctioned Amount: ₹200000 ($3000) (2016 rate: 1 $ = 66.8)
- Utilized Amount: ₹142336 ($2000)
- Project Team: Prasanta Sahu, Agnivesh Pani, Aitichya Chandra, Purfwan A. Bhat
- Study States: Kerala and Rajasthan
- Sample Size: 432 and 176

STUDY REGIONS AND SURVEY

Kerala (7 Cities)

Sample Description
- Sample Frame = 54170
- Gross Sample Drawn = 1425; SRS
- Sample Loss = 13.7 % ; Average Response Rate = 24.7 %
- Final Sample – 432 Establishments and 1631 Records

Survey Cities (Year of Survey)
- Cochin (2015-2016)
- Kollam (2015-2016)
- Thrissur (2015-2016)
- Kottayam (2015-2016)
- Palakkad (2015-2016)
- Malappuram (2015-2016)
- Wayanad (2015-2016)

Rajasthan (1 city)

Sample Description
- Sample Frame = 31725
- Gross Sample Drawn = 931; SRS
- Sample Loss = 20.0 % ; Average Response Rate = 24.7 %
- Final Sample – 184 Establishments and 907 Records

Survey City (Year of Survey)
- Jaipur (2017-2018)

AWARDS AND RECOGNITION

- Handling Editor- Transportation Research Record
- Special Issue Editor- Freight Automation, Logistics and Supply Chain: Transportation Research Record
- Member- Standing Committee on Freight Transportation Planning and Logistics (AT015), Transportation Research Board. The National Academies of Sciences, USA
- PMRF Scholarship- Aitichya Chandra
- SLOCAT Young Leaders in Sustainable Transport 2020 and Assistant Professor, IIT BHU- Agnivesh Pani
- Best Paper Award from AT015- Agnivesh Pani and Purfwan Bhat: Freight Transportation Planning and Logistics, Transportation Research Board.
- Associate Research Centre/Partner- Volvo Research Educational Foundation Centre of Excellence: Sustainable Urban Freight Systems

PUBLISHED PAPERS

Transportation (Impact Factor: 6.052)


Transportation Research Part D: Trans. and Environ. (Impact Factor: 5.495)


Journal of Transport Geography (Impact Factor: 4.986)


Transport Policy (Impact Factor: 4.674)


Research in Transportation Business Management (Impact Factor: 2.740)


Network and Spatial Economics (Impact Factor: 2.538)


Transportation Research Record (Impact Factor: 1.686)


Transportation Planning and Technology (Impact Factor: 1.375)


Journal of Urban Planning and Development (Impact Factor: 1.165)


Journal of the Institution of Engineers (India): Series A (Impact Factor: 0.96)


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Development of a National Freight Transportation Planning Toolkit

PUBLICATION SUMMARY (2018-2021)

- Journals: 22
  15 Published (P) + 7 Under Review (UR)
- Working Papers (W) - 3
- Research Procedia (RP) - 2
- Conference Proceedings (C) - 12
- 14 SCL-P and 1 Scopus-P

Publication List:

- Land Economics (2021)
- Journal of Technology, Policy & Management (2021)
- Journal of Transport Geography (2021)
- Journal of Urban Planning and Development (2021)
- Transportation Research Record (2021)
- Transportation Planning and Technology (2021)
- Journal of the Institution of Engineers (India): Series A (2021)

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