

# Sustainable Hyderabad

## **Measuring the acceptance of LPG cookers in the slums of Hyderabad**

- Study Project –

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## **Abstract**

The thesis “Measuring the acceptance of LPG cookers in the slums of Hyderabad” is a study project incorporated in the work package 3.2.A “Energy Management Of The Emerging Megacity Hyderabad” of the “Sustainable Hyderabad Project”. It contains a detailed literature review on the potential benefits of LPG (Liquid Petroleum Gas) cookers, the patterns and costs of the energy use in the slums of Hyderabad and information about household structures and their income. Taking the availability of LPG, existing subsidy scheme and access to energy into account, its main objective is to find out the obstacles to the acceptance and acquirement of LPG cookers in the slums of Hyderabad. The results of the literature review indicate that financial aspects as well as lacking awareness are the main reasons that hinder slum inhabitants from the access to LPG. This will be proved later on with the help of a quantitative field research. As SHGs (Self-Help-Groups) are considered as one efficient tool to overcome the scarcity of financial resources, they will be explained in this paper and their importance to LPG acquisition will be pointed out. Mutual trust among the members is the base for a well functioning SHG in a community. Two so called trust games that are supposed to measure the trust among groups were played within this research project. After doing the field research it became clear that there already exist plenty of SHGs in the two identified slums. Therefore, this paper does not concentrate on the measurement of the trust level; it rather evaluates outcomes of the pre- and post-questionnaires in order to emphasize the validity of the field research. According to this research, it seems possible to create SHGs in these two slums that focus on the acquisition of LPG cookers. As 98 % of the interviewees stated a LPG device would be highly appreciated therefore, further research should concentrate on the implementation of the SHGs or expand to less developed slums.