

**Expressions of Interest for  
Setting up 3 Resource Efficient Brick (REB) Units and  
Preparation of Investment Plans for 25 REB Units**

The Indian brick industry with an annual brick production of nearly 240-260 billion is the second largest brick producer in the world. Brick production contributes significantly to greenhouse gas (GHG) emissions as well as to topsoil erosion. There are immense possibilities of reducing energy consumption and thereby GHG emissions by manufacturing and promoting the use of clay fired Resource Efficient Bricks (REBs) including flyash based bricks/ blocks, which will have other co-benefits as well, such as soil conservation. Realizing the potential, UNDP launched a program to support setting up of 3 REB production units & preparation of investment plans for setting up 25 such REB production units (including flyash based bricks/ blocks) in the Northern States of Punjab, Haryana, Himachal Pradesh, Jammu & Kashmir, Western U.P. and Rajasthan with the objective to reduce energy consumption, restrict GHG emissions and save the topsoil. These plans could be used as ready-made documents for attracting potential investors.

**United Nations Development Programme (UNDP) has engaged Punjab State Council for Science & Technology, Chandigarh (PSCST) for “Setting up of 3 Resource Efficient Brick (REB) Units and Preparation of Investment Plans for 25 REB Units”.**

The scope of work under task-1 i.e. *Preparation of Investment Plans for 25 REB Units* of the assignment includes:

- Identification of 25 interested units and locations for investment planning
- Prepare Draft Investment Plans for the selected units
- Preparation of Summary report of 25 REB investment plans which will consist of brief 1 to 2 page profile of each industries, production capacity, investments required and commitments to mobilize, energy saving potential, GHG and soil reduction potential.

The scope of work under task-2 i.e. *Setting up of 3 Resource Efficient Brick (REB)* of the assignment includes:

- Identification of 3 interested units and locations for investment planning (Preference is to be given to the interested parties from the UNDP approved 25 parties as in Task-1)
- Preparation of Detailed Project Report (DPR)
- Construction & Equipment procurement
- Equipment acquisition and installation
- Testing and Trial production
- Submission of resource audit post intervention
- Submission of reports, separate and comprehensive and three case studies.

Now, under the UNDP project PSCST & UNDP will provide following support to the identified parties for Task 1 & Task 2:

- One to one Interactions with interested parties to explain the project details, various technological options for REB production, energy saving potential & estimated investment.
- Providing common platform for interaction with leading machinery manufacturers/ vendors.
- Preparation of detailed project reports (including investment plans) for the 25 identified parties willing to set up REB manufacturing unit in near future.
- Assist in Credit availability to interested parties from financial institutions/ banks.

Support exclusively for Task 2:

- Preparation of detailed project reports (including investment plans) for the 3 identified parties (Preference is to be given to the interested parties from the UNDP approved 25 parties as in Task-1) willing to set up REB manufacturing unit in the Financial Year 2016-2017.
- Pre & post intervention Resource audit (energy & environmental audit) of the 3 identified parties willing to set-up REB manufacturing unit.
- Assisting the unit during procurement, installation & commissioning of machinery/ equipment & plant.

UNDP under its other simultaneous programs will promote the use of REB products at National level & give exposure to the participating parties.

In case of any queries, the interested parties may please contact:-

1. Mr.Pritpal Singh, Project Team Leader, Punjab State Council for Science & Technology, Sector-26, MGSIPA Complex, Chandigarh – 160019, Phone NO.0172-2793325 Extn. 129 Cell No.098141-04784, Email- stcouncilpb@gmail.com.
2. Mr.Maganbir Singh, Team Member, Punjab State Council for Science & Technology, Sector -26, MGSIPA Complex, Chandigarh – 160019, Phone NO.0172-2793325 Extn. 134 Cell No.098883-31415, Email- stcouncilpb@gmail.com.