Home Based Embroidery Work

Home Based Embroidery Works are establishments employing a large number of women workers in activities that enables value addition in the textile industry.
About the Livelihood

“Surekhaben along with her husband Sanjaybhai runs a HOME-BASED Embroidery Business.”

Surekhaben receives around 700 pieces of textile everyday (1000 pieces during festivals). Her business gives employment to around 35 women on a daily basis. She distributes almost 20 pieces of textile to each woman that she employ to add value with light embroidery work. Surekhaben along with sanjaybhai and a few others work on this primary embroidered textile on their 3 embroidery machines for value addition on each piece of textile. Therefore, the embroidery machine is central to surekhaben’s highly vibrant livelihood activity that employs a large number of women everyday.
Promoting Energy Efficiency in Home-Based Livelihoods

The roof at surekhaben's house is made out of tin sheets, due to which the temperature inside her house was usually high. Due to this, the fan and lights in her home were used continuously. Surekhaben had invested in the installation of airtite ventilation technology on the roof which allows dispersed sunlight to enter and maintains the flow of air inside the house.

MHT’s technical team conducted an energy audit at surekhaben’s house. According to their pattern of usage of appliances at surekhaben’s home the monthly average expenditure is around INR 1200 (USD 17). Almost half (48%) of the expenditure is accounted from the use of the three embroidery machines. Apart from the embroidery machine, significant amount of consumption is also accounted from the usage of Fan (22%) and 2 tubelights (19%) indicating that the installation of airtitevent was not enough as a stand alone intervention.

**MHT’s Intervention**

To pilot the energy efficient solutions at surekhaben’s house, MHT decided to intervene on one embroidery machine, one fan and one tubelight. The intention was to explore the impact that could be generated through Solar Powered technical solutions.

**Key Impacts**

1. **Energy Efficiency**
   - Reduction in electricity bills by 50%.

2. **Heat Stress Reduction**
   - Usage of solar powered fan to reduce heat stress.

3. **Efficient Illumination**
   - Proper illumination for minute and detailed craftsmanship.
TYPES OF PILOTS IN THE SUSTAINABLE HOUSING PROGRAMME

The sustainable Housing Programme intends to explore the possibilities of achieving sustainability in Built Environment through different interventions on a pilot basis and subsequent scaling of pilots.

The Pilots undertaken under energy efficient appliances and technology intends the demonstration of sustainable built environment of different livelihoods through the effective use of solar powered technology in the geographical regions of Gujarat and Madhya Pradesh in India.

Sustainable Housing Programme
Energy Efficient Home Based Livelihoods
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