

**Case study - Spread of use of smokeless chulla (oven) of Sura Bindu Chanda & Jaher Ayo Bahargarh Mahila Dal, Purulia**



The 35 women members of Sura Bindu Chanda & Jaher Ayo Bahargarh Mahila Dal, Sura and Agardihi, Kashipur block in Purulia have adopted the use of smokeless chulla since 2016. The group has received aid from DRCS under Climate Change Adaptation fund for setting up the chullah in their home. The energy efficient smokeless ovens also have a hot water storage tank. The tank has the capacity of producing about 12 litres hot water apart from cooking, using the same firewood.



This energy-efficient stove has helped to save a minimum of 3 kg of firewood (average) per day. It also helped in reducing carbon emission (5.4 kg/family/day on an average) and drudgery of women members of the family. The use of smokeless oven has saved fuel costs of Rs. 8,452 in 2016, Rs. 19,440 in 2017 and Rs. 64,152 in 2018. Thereby the use of stoves has also reduced the pressure on natural resources. Efficient use of energy have saved the 1096 hours in 2016, 2520 in 2017 and 8316 in 2018 of users. The women users will be able

to use their saved time for other income generation activities which will contribute towards reducing the vulnerability due to climatic variability.