



भा.कृ.अनु.प.-राष्ट्रीय मांस अनुसंधान संस्थान

(पूर्व भा.कृ.अनु.प.-राष्ट्रीय मांस अनुसंधान केंद्र)

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(ISO 9001:2015 और FSSC 22000 प्रमाणित, ISO/IEC 17025:2017 NABL मान्यता प्राप्त, FSSAI रेफरल प्रयोगशाला)

Swachh Meat Hub: A Portable Abattoir Model

Inventors/Developers: Dr. M. Muthukumar, Dr. A.R.Sen, Dr. B. M. Naveena, Dr.Rituparna Banerjee, Dr. Yogesh P. Gadekar and Dr.S.B.Barbuddhe

Brief description about the technology

The exorbitant cost of building civil structure and slaughterhouse machineries and non-availability of small scale meat processing units are resulting in clandestine slaughter at villages and small towns. Except in few of the larger Municipal corporations and Municipalities, majority of the Gram panchayats need suitable for slaughter of small group of animals. Hence, there is an urgent and imperative need to develop and adopt sustainable, economically viable and environment-friendly technologies suitable for small scale processing.

The Swachh Meat Hub is a compact and cost-effective assembly developed on the principles of good manufacturing and hygienic practices and is suitable for small scale slaughtering of sheep/goat (50 animals/day)/pigs (20 animals/day). The unit has dimension of 12'(L) X 8' (W) X 8' (H) and has all the components required for harvesting and production of meat viz., inbuilt detachable restrainer cum bleeding platform, overhead rail, hoist, knife sterilizer, carcass washing, carcass fabrication table, and containers for holding edible and inedible co-products. The inner wall of the facility is fabricated with food grade stainless steel (SS 304). This unit is designed to be mounted over trailer and could be moved by a tractor or any other suitable vehicle.





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