

Regional Occupational Health Centre (ROHC), Kolkata

Transportation Device

Product/Process: Redesigned model of cycle rickshaw.

Application/Uses: Redesigned model of cycle rickshaw reduces the occupational health problems of cycle rickshaw pullers. The redesigned model is based on “ergonomic principle”. It is a cheap mode of transportation device, extensively used in India and many other South-East Asian Countries.

Salient Technical Features: ROHC developed three models of cycle rickshaw namely, Parthav, Sarathi and Parthasarathi. The model Parthasarathi is considered the best model from both aesthetic and technical point of view. Changes have been made in both the structural and functional configuration which include changes in structure and weight of vehicle, driving mechanism, brake system, hood including drivers hood, passengers seat unit, luggage space and boarding height.

Scale of Development: The technology has been developed up to the laboratory scale.

Status of Commercialization: An Indian Patent (Appl. no. 1643/DEL/2005) and Design application (Class 12-11) have been applied. Technology is being commercialized.

