



# CSIR-Central Mechanical Engineering Research Institute Mahatma Gandhi Avenue, Durgapur - 713209

## Battery Powered Disinfectant Sprayer (BPDS):

The disinfectant unit may be used for the deactivating or killing of pathogenic micro organism present on the human body/ surfaces/ environment by spraying water soluble chemical disinfection mist. The unit is designed for the ease of retro fitment on the standard wheelchair used in hospitals. The sprayer is suitable for disinfecting the indoor premises such as office, hospital, Industrial floor & machine, Malls, Hotels, banquets hall, conference rooms etc.

The sprayer comprises of two stage spraying unit with separate storage system. This storage can be used with two different chemical for effective utilisation of the spray. The sprayer is having an extended spray arm for reaching the obscure corners where standard sprayer machine can't reach. These features increase the machine versatility. Machine is equipped with high power battery pack which can run for four hours in a single charge. The Sprayer is equipped with mopping feature which enable the mopping of the floors and soaking the spread chemicals from the floors.



*Sprayer movement without operation*



*Spraying and mopping operation*



*Spraying operation using extended arm*

### Application :

All type of indoor hospital, indoor Office buildings, inside of the factory supermarket, shopping malls etc.

### Key Features:

- Cordless machine
- Two nozzle spray system
- Extended arm spray unit
- Cost effective

### Specification:

- Storage Capacity: 20 Litres each tank
- Battery back-up time in a single charge : 4 hours
- Gross weight (empty tank): 25 Kg
- System Dimension (Overall) : L 41 x W 44 x H 44 (in cm)
- Covering width: 10.5 cm
- Pump capacity & spec: 4- 5 L/min flow with 7 bar pressure
- Extension sprayer length (Full stretch): 250 cm

### Technology Transfer Fee:

Rs. 2.5 Lakh including GST (For MSME) & Rs. 5 Lakh including GST (For others)

*For further details please contact  
Mr. Avinash Kumar Yadav, Senior Scientist  
Phone: 7389595691; E-mail: ak.yadav@cmeri.res.in*

