



Bandicoot Robot Project

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Project Duration

4 Weeks implementation
& 5 years O&M Period



Project Beneficiaries

PMC



Completion Date

April 2022



Project Status

Completed



bandicoot™

The Bandicoot is a robotic machine that is engineered for cleaning any type of sewer manholes. The robot consists of two major units, a stand unit and a robotic drone unit. The drone unit which will dive into the manholes for the cleaning operations or unblocking operations. The diving depth of the robotic drone is customizable according to the maximum depth needed of our clients. Add-on feature Nano coating in addition to the powder coating surface treatment process enables the robot to perform its operation in any hazardous or corrosive sewerage environments effectively for a longer period.

“Mission Robohole” is all for ending the demeaning practice

Manual Scavenging from India by changing *manholes* to

roboholes while making sanitation workers into Robotic

operators. Thereby diligently redefine the Indian sanitation

System

“A Mission to End Manual Savaging”

- Pune Smart City Development Corporation Limited envisaged for the purpose of cleaning and De silting Manholes using Bandicoot V2.0 Robots.
- The idea is to make the manhole cleaning manual processing to be replaced with currently 3 Bandicoots Robots that shall clean the holes robot without manual intervention to clean the sewerage holes
- The project shall bring the change and end the manual scavenging and root for better life through the use of technology.

Key Features:

- ❑ *a self-driven, customized and adaptive Robots* to successfully improve and clean the sewerage holes without any manual entry.
- ❑ *Gas sensing* for further improvements and focus in area
- ❑ Machine 360 degree vision into the hole
- ❑ Water resistance with the depth of arm to clean the holes more than 20 meters with cleaning and monitoring activity participation.