

Press Note

Handover of Solar Operated Machine hole Robot along with Electric Cart to Bharuch Nagarpalika

One solar operated Machine hole Robot along with electric cart is handed over to Bharuch Nagarpalika in a Virtual event organized by Gujarat CSR Authority dated 22th April, 2022. The Machine hole robot is supported under the CSR Initiative of Gujarat Urja Visas Nigam Limited.

The handing over ceremony is attended by Shri Ravi Shanakar, IAS (Director, Administration & Finance, GUVNL), Shri Parthiv K. Bhatt (Company Secretary, GUVNL), Shri Keshav Koladiya (I/c Chief Officer, Bharuch Nagarpalika), COO- GCSRA, MD - Club First Robotics.

Chief Officer, Bharuch Nagarpalika conveyed thanks to the GUVNL & GCSRA for facilitating & providing the machine hole Robot, he ensured that it will be used in the effective way and it will support the urban body to address the issues of scavenging & water logging.

Shri Ravi Shanakar, IAS (Director, Administration & Finance, GUVNL), also addressed the event, COO, GCSRA expressed vote of the thanks.

About Solar Operated Machine hole Robot:

India banned the employment of people as manual scavengers. Hence there is requirement to identify the alternate innovative system for cleaning of Drainage system on regular basis. Solar Operated Machine hole robot will remove the sludge from underground drains through effective technology. Machine hole robot is made from India to promote the Mantra of Atma Nibhar Bharat. This Machine hole Robot is Solar Operated hence it also promotes the Sustainable Development Goals (SDGs). The entire project is conceptualized and monitored by Gujarat CSR Authority (GCSRA) while the financial support has been provided by GUVNL.

Special Features of the Solar Operated Machinehole Robot:

- Solar Operated Machinehole Robot is multi utility robot, it can utilize for
- Sewerage man hole cleaning, Rescue operations and Agriculture purpose.
- The robot is SOLAR Powered battery based
- Can work up to 7 days in single charge
- Robot is fully water proof can work in any environment
- Robot is All terrain design
- Robot is integrated with 12 Type of GAS detection sensors, it provide alert while
- Detecting gas from chambers.
- Robot is integrated with Bio chemical treated sludge collection Tray
- Robot is GPS, GSM enabled can be tracked remotely
- IOT and AI based remote monitoring system, so that its operations and
- Maintenance can be track remotely.
- Self-Recovery behaviors
- It can collect up to 100Kg sludge at a time
- Robot Cleaning Unit can dive up to 15 Meter
- First in Class Turbine cleaning technology
- Live monitoring camera, Ultra HD Color Image in Night
