

## Press Note

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### **Handover of Solar Operated Machinehole Robot along with Electric Cart to Mehsana Nagarpalika**

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 GRICL.

GCSRA has handed over one solar operated Machine hole Robot along with electric cart to Mehsana Nagarpalika on 5<sup>th</sup> September 2021 with auspicious presence of Honorable Dy. CM, Gujarat.

During the handover process, Shri Praveen Vasanth, CEO, GRICL & his Team; Shri. Pankaj Kamliya, COO, GCSRA; Shri Bhuvnesh Mishra, MD, Club First Robotics remain present.

#### **About Gujarat CSR Authority:**

Set up by the Government of Gujarat in 2014, Gujarat CSR Authority helps public and private sector companies optimally utilise the CSR funds, and also contribute to the welfare of the state. The purpose of the organisation is to also manage the CSR funds and for coordinating, monitoring and implementing the various CSR activities in the state.

GCSRA provides support to the companies and PSUs in development of CSR strategy and Annual Plan. It also offers training and capacity building support for a common platform to corporate, government agencies, NGOs and civil society members to share their expectations, aspirations and responsibilities to address the problems faced by the state.

#### **About Solar Operated Machine hole 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