This is a rugged Underwater Service Robot which can be operated remotely using the Remote Control and can be used inside water tanks, Ponds, River Beds for removing the silt or mud deposited on the base. The Robot has Two pairs of Twin - Counter Rotating Brushes which will enable it to scrap all kinds of deposits and then subsequently throw out all that with a powerful onboard pump or an optional onboard replaceable filters. The complete Robot is made from Special grade Stainless Steel which makes it 100% rust proof - even during prolonged use and even in acidic mediums.

**Features**
- Autonomous Operation
- Automatic / Manual Control
- Operable Depth : 50 M
- Drive Type : Chain Tracks
- Power Supply : Single Phase A.C
- Underwater Vision : Pan Tilt Camera
- Payload Capacity : 50 Kg
- Control Unit : Onboard 32 Bit
- Onboard Light : Infrared Flood Lights
- Power brush attachment capacity
- Remotely Replaceable - Sludge collection cases
- Linear Speed : 5 Cm/Sec
- Continuous Operation upto 300 hrs.
- Onboard Powerful pump Unit

**Technical Overview**

<table>
<thead>
<tr>
<th>Robot Dimensions</th>
<th>Weight Specs</th>
<th>Monitoring System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height : 15 Inches</td>
<td>System Weight : 150 Kg</td>
<td>Onboard Camera : 520 TVL (IR)</td>
</tr>
<tr>
<td>Length : 36 Inches</td>
<td>Filters Weight : 10 Kgs</td>
<td>IR FLood Lights : 200 IR Lights</td>
</tr>
<tr>
<td>Breadth : 20 Inches</td>
<td>Controller Weight : 15 Kgs</td>
<td>Secondary Camera : Color/520 TVL</td>
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**Operation Description**

The Robot once lowered in the water tank using a chain block can be started remotely to move inside the tank/pond.

The view of the inside can be directly seen on the provided remote control panel’s video console.

The Robot employs strong and rugged chain tracks with rubber pads which enables it to move on any uneven terrain.

The provided IR Illuminator can be controlled remotely and its intensity can be adjusted as per the internal light conditions.

The robot has bump sensors on its all sides to avoid any unnecessary collision and subsequent damage to the tank.

**Items Provided / Optional Items**

- SAUSR
- Controller
- Removable Brushes
- Onboard Filters
- Remote Filter Replacement System
- Filter Locking System
- Off Board Filters
- Power Supply Unit