



# Security Defence Systems

Plot No. 50, DIC, Industrial Area , Baddi, Solan (H.P)

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## ROVER MARK-1



MODEL : ROVER MARK - I

### STRUCTURE INSTALLATION

The ROV is able to carry out EOD and surveillance of the following structures/installation:

1. Building Operations & installation.
2. Urban Transportation Location.
3. Passenger Terminals
4. Inside Aircraft

### KEY TECHNICAL FEATURES

The ROV is having the following key technical features:

1. Weight man portable – not more than 90 kg for basic unit
2. Climbing ability – 45 degree stair/slopes.
3. Video color camera, driving reverse camera and aiming camera.
4. Night vision capability with IR camera.
5. It is provided with EOD manipulator arm with camera & white floodlight.



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6. Aiming with the help of both camera & laser aiming pointer.
7. Lifting Capability of 10 kg with arm fully extended.
8. Spot lights -
  - For driving camera
  - For aiming camera compatible with video camera

## **CONTROLS**

1. Provided with radio control for Urban / Built-up area of 200m.
2. Provided with radio control for open area of 1Km.
3. Provided with fiber optics control of 100m.

## **EOD OPTIONS**

1. Water jet disruptor.
2. Charge Dropper Assembly.
3. RTVS Mount.
4. Lifting Bracket for articulated movement of key opening.

## **POWER SUPPLY**

1. AC to DC via on-board power convertor with cable min 100m.
2. Rapid rechargeable SMF batteries.
3. Battery capacity: Driving endurance & Operational endurance of 2 hrs.
4. Battery charger to be provided with maximum charging time for charging not more than 8 – 12 hrs.

## **BASE STATION**

1. It is compact and light weight.
2. Portable control system.
3. Display unit with a high resolution LCD screen.
4. It is capable of powered on mains and battery both.
5. It has picture in picture display with camera selection by way of touch screen.
6. It has joystick control.
7. It has inbuilt safety feature.
8. It has essential operational controls.

## **OPERATING TEMPERATURE**

-10°C to +55°C