



Security Defence Systems

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BOMB TRUCK



Tested by TBRL

MODEL : BOMB TRUCK

Construction

It consists of:

1. Blast Bin.
2. Trailer with robotic arm.
3. The minimum size of the blast bin is 3*3 feet diameter.
4. The blast bin installed on the trailer operates with wired control from a distance of 50m for tilt and stand operation for easy dropping and placement of suspected objects using a remotely operated hydraulic jack.
5. The bomb Trailer has platform with good road clearance.
6. The bomb trailer has 4 tubeless tires, good shock absorbing arrangement for jerk less travelling along with toeing facility.

Blast Carrying Capacity

1. The blast bin has a capacity to withstand minimum 1.25 kg of TNT or equivalent quantity of explosive (Govt. of India, Ministry of Defence TBRL report available).
2. The blast bin is made of suitable material to contain the blast from causing any sideways damage.
3. The blast bin has a net of suitable material to suspend the suspected object.

Battery

The robotic arm operates on 24V, 65 Ah or higher batter with suitable battery charger.



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Robotic Arm

1. The hydraulic robotic arm has the capability for putting the suspected object in the blast bin installed in the trailer, with adequate capability to swivel in all directions.
2. The hydraulic robotic arm is installed on the platform for easy transportation.

Lifting Capacity

The hydraulic robotic arm, when fully extended is able to lift min. 20 kgs of polished products.

Jaw Opening

The jaw opening is not less than 1ft and various attachments are provided to lift varied suspected objects like bottles and sack.

Area Covered

The jaw of hydraulic robotic arm has the facility to rotate clockwise (180°), anticlockwise (180°), up, down and complete down 1ft perpendicularly.

Display

The robotic arm has IR camera with minimum 6"LCD monitor and IR camera has capability to work at 0.1 lux

Ruggedness

The bomb truck equipment is rugged for military use / EOD operation.