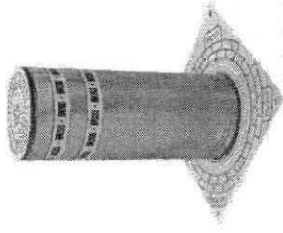
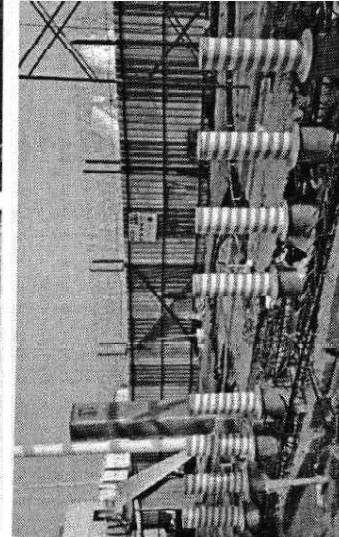
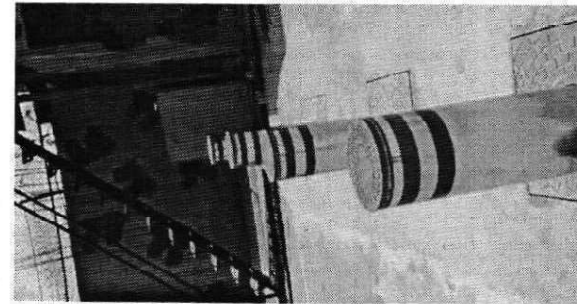
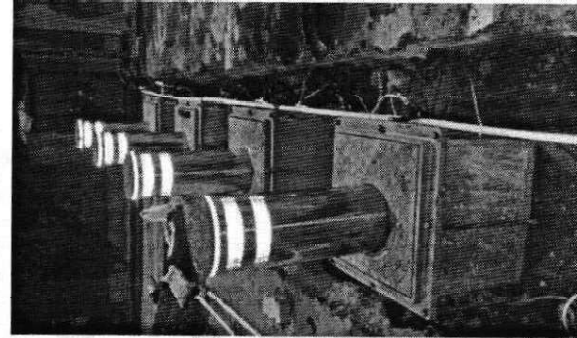
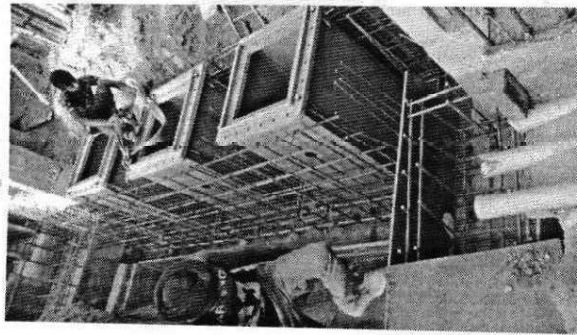


## Anti-Ram Bollards FORCE B8



Brosis FORCE B8 retractable hydraulic bollard have been manufacture & designed to protect anti-terrorist areas with an unobtrusive barrier capable of defending against a vehicle attack / forceful entry. Our single FORCE B8 is able to stop vehicle of 7.2 ton travelling at the speed of 40mph (64km/h) and met requirements for M40 : P1 rating as per ASTM F2656 (2018) known as K8 crash rating.



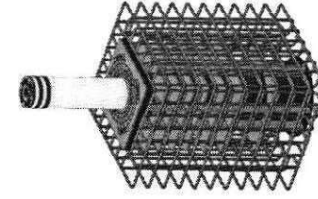
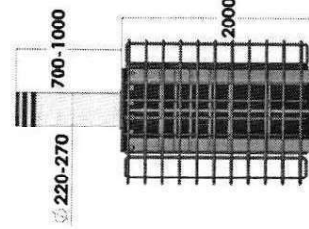
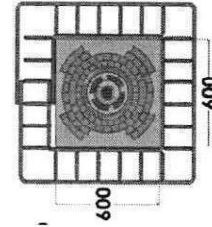
Actual Site Pictures

## TECHNICAL SPECIFICATION

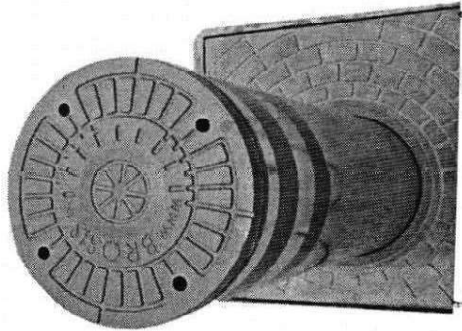
| MODEL                         | FORCE B8                                                                                                                |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Anti-Ram class / Crash rating | Designed to stop 7.2 ton loaded vehicle @ 64 Km/h known as K8 (M40 - P1)                                                |
| Drive unit (External)         | B8 - H (Hydraulic), B8 - P (Pneumatic)                                                                                  |
| Rising height                 | 700 - 1000 MM                                                                                                           |
| Diameter of bollard           | 220 - 270 MM                                                                                                            |
| Material                      | High tensile structural heavy duty steel                                                                                |
| Cylinder top plate            | Anti-slip die cast aluminum                                                                                             |
| Input Voltage                 | 440 VAC $\pm$ 10%, 50/60 Hz, 3 phase or 220 VAC $\pm$ 10%, 50/60 Hz, 1 phase                                            |
| Rising time                   | 3-5 sec, emergency 1.5 sec                                                                                              |
| Lowering time                 | 3-4 sec, emergency 1 sec                                                                                                |
| Oil tank                      | 100 lt. - 250 lt. (depend on number of bollards to operate at a time)                                                   |
| Oil level sensor              | Standard                                                                                                                |
| Protection class              | IP 67                                                                                                                   |
| Finish                        | Anti-UV epoxy powder coating or SS chrome finish                                                                        |
| Blocking in raised position   | Hydraulic lock/Pneumatic lock                                                                                           |
| Breakout resistance           | 15,00,000 J                                                                                                             |
| Operating temperatures        | -20°C to +60°C                                                                                                          |
| MTBF                          | 70,00,000                                                                                                               |
| Duty Cycle                    | 100%                                                                                                                    |
| <b>SAFETY</b>                 |                                                                                                                         |
| Safety against vehicles       | Loop detector                                                                                                           |
| Safety against humans         | Photo sensors                                                                                                           |
| Control unit                  | PLC/microprocessor based control unit for integration with all access control devices                                   |
| Visual & Sound                | Embedded LED lights on the top of aluminum head & buzzer for operational alert with Red/Yellow radium reflective strips |
| Driver alert                  | Traffic light (Red/Green) - optional                                                                                    |
| Smart integration             | Can be integrated with TOTAL BA                                                                                         |
| <b>POWER FAILURE</b>          |                                                                                                                         |
| Power failure                 | Manual hand pump                                                                                                        |
| Manual                        | Mechanical manual release device                                                                                        |
| Accumulator (optional)        | Accumulator for 04 cycles up/down operations in case of emergency                                                       |

### Dimensions For Reference

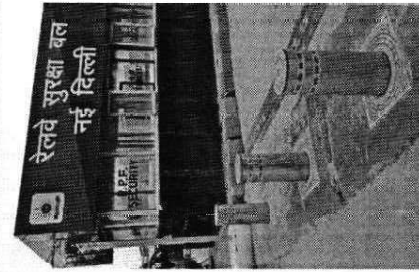
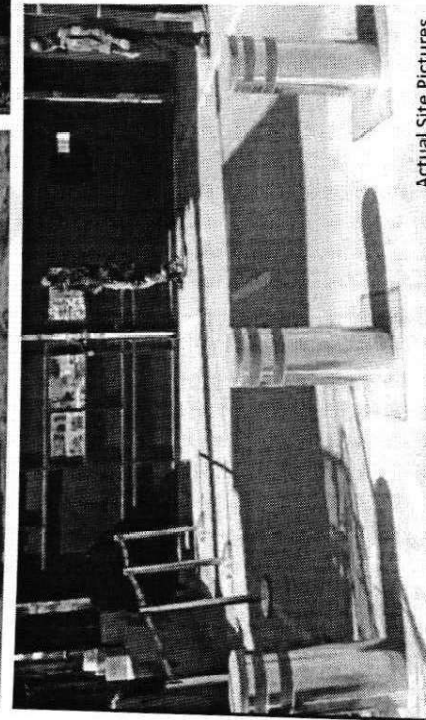
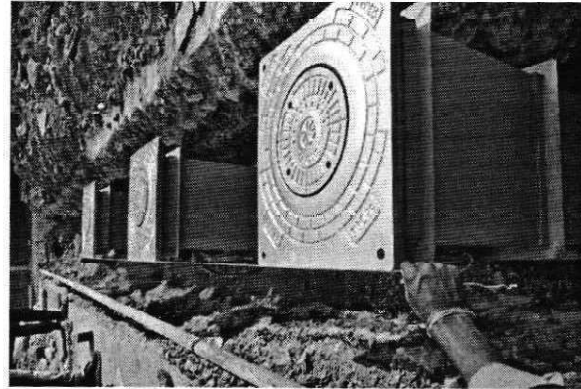
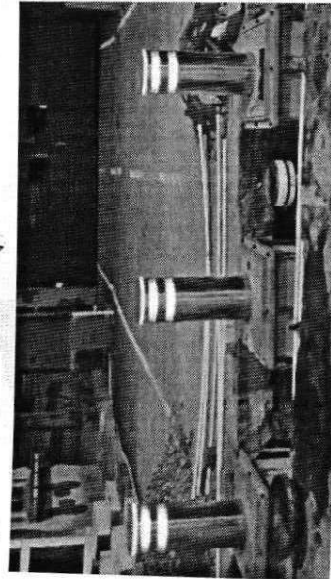
All dimensions are in MM



## Anti-Ram Bollards FORCE B4



Brosis FORCE B4 retractable hydraulic bollard is able to stop vehicle of 7.2 ton travelling at the speed of 30mph (48km/h) and met requirements for M30:P1 rating as per ASTM F2656 (2018) known as K4 crash rating.



Actual Site Pictures

## Anti-Ram Bollards FORCE B4

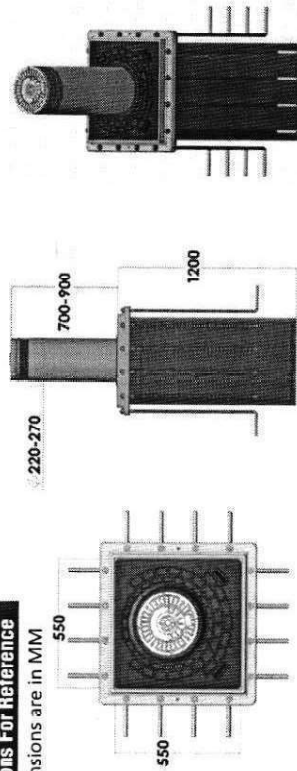


### Technical Specification

| MODEL                          | FORCE B4                                                                                                                |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Anti-Ram class / Crash rating  | Designed to stop 7.2 ton loaded vehicle @ 48 Km/h known as K4 (M30 - P1)                                                |
| Drive unit (External/Internal) | B12 - H (Hydraulic), B12 - P (Pneumatic) / In built hydraulic power unit optional                                       |
| Rising height                  | 700 - 900 MM                                                                                                            |
| Diameter of bollard            | 220 - 270 mm                                                                                                            |
| Material                       | High tensile structural steel                                                                                           |
| Cylinder thickness             | 10 mm                                                                                                                   |
| Cylinder top plate             | Anti-slip die cast aluminum                                                                                             |
| Input Voltage                  | 440 VAC $\pm$ 10%, 50/60 Hz, 3 phase or 220 VAC $\pm$ 10%, 50/60 Hz, single phase                                       |
| Rising time                    | 4-5 sec, emergency 1.5 sec                                                                                              |
| Lowering time                  | 3-4 sec, emergency 1 sec                                                                                                |
| Oil tank                       | 100 lt. - 250 lt. (depend on number of bollards to operate at a time)                                                   |
| Oil level sensor               | Standard                                                                                                                |
| Protection class               | IP 67                                                                                                                   |
| Finish                         | Anti-UV epoxy powder coating or SS chrome finish                                                                        |
| Blocking in raised position    | Hydraulic lock / Pneumatic lock                                                                                         |
| Breakout resistance            | 7,20,000 J                                                                                                              |
| Operating temperatures         | -20°C to +60°C                                                                                                          |
| MTBF                           | 70,00,000                                                                                                               |
| Duty Cycle                     | 100%                                                                                                                    |
| <b>SAFETY</b>                  |                                                                                                                         |
| Safety against vehicles        | Loop detector                                                                                                           |
| Safety against humans          | Photo sensors                                                                                                           |
| Control unit                   | PLC/microprocessor based control unit for integration with all access control devices                                   |
| Visual & Sound                 | Embedded LED lights on the top of aluminum head & buzzer for operational alert with Red/Yellow radium reflective strips |
| Driver alert                   | Traffic light (Red/Green) - optional                                                                                    |
| Smart integration              | Can be integrated with TOTAL BA                                                                                         |
| <b>POWER FAILURE</b>           |                                                                                                                         |
| Power failure                  | Manual hand pump                                                                                                        |
| Manual                         | Mechanical manual release device                                                                                        |
| Accumulator (optional)         | Accumulator for 04 cycles up/down operations in case of emergency                                                       |

### Dimensions For Reference

All dimensions are in MM

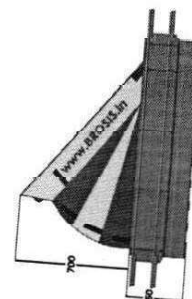
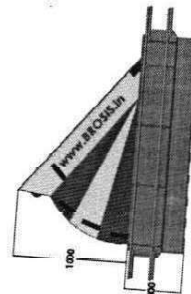
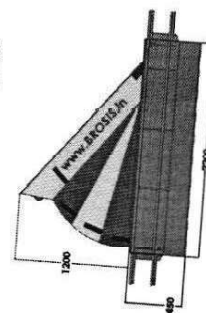
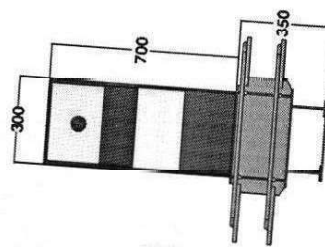
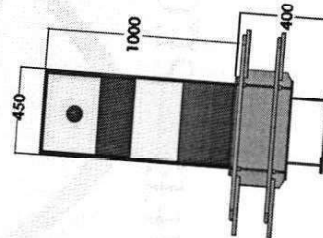
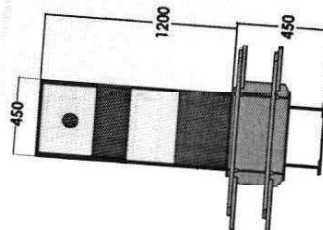
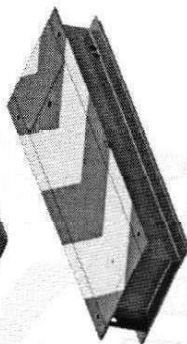
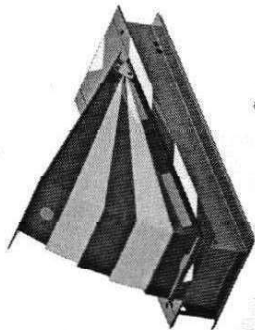


## Shallow Mounted Bollard FORCE BSM

Brosis FORCE BSM is a hydraulically operated shallow mounted bollard, which is used to prevent the entry of vehicles where high security is required, ideally where automatic retractable bollards are not possible to install due to depth constraints.

### Special Features

- Best option for protecting sites where there is problem of installing automatic retractable bollards due to their depth availability (pit size).
- Force SM requires maximum of 400mm depth.
- Due to its folding design, these can be installed with very little civil work.
- Less installation time as compared to automatic retractable bollards.
- Easily serviceable hence low maintenance cost.
- Finishing is done after hot dip galvanizing followed by anti-UV epoxy powder coating for corrosion free surface.
- LED lights and radium reflective strips for high visibility / alert.
- Can be installed in combination with other products like boom barriers, UVSS, spike barriers / tyre deterset.
- Can be controlled with:
  - From wire or wireless remote control.
  - Automatically via access control system.
  - Manually (manual sinking in case of power failure).
  - Manually up and down using hand pump in case of any breakdown / emergency.



C

## Shallow Mounted Bollard FORCE BSM

### Technical Specification

| MODEL                       | FORCE B12SM                                                       | FORCE B8SM                                                                                                          | FORCE B4SM                                                       |
|-----------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| Type of bollard             | Anti-Ram Class/rating                                             | Shallow mounted                                                                                                     | Shallow mounted                                                  |
| Designed to stop            | 7.2 ton loaded truck travelling @ 80 Km/h known as K12 (M50 - P1) | 7.2 ton loaded truck travelling @ 64 Km/h known as K8 (M40 - P1)                                                    | 7.2 ton loaded truck travelling @ 48 Km/h known as K4 (M30 - P1) |
| Drive Unit                  |                                                                   |                                                                                                                     |                                                                  |
| Rising height               | 1200 MM                                                           | Hydraulic (External)                                                                                                |                                                                  |
| Blocking width              | 450 MM                                                            | 1000 MM                                                                                                             | 700 MM                                                           |
| Rising time                 | 5-6 sec                                                           | 350 MM                                                                                                              | 350 MM                                                           |
| Down time                   | 3-4 sec                                                           | 4-5 sec                                                                                                             | 3-4 sec                                                          |
| Material                    | Heavy duty high tensile steel                                     | 3-4 sec                                                                                                             | 2-3 sec                                                          |
| Axle Load capacity          |                                                                   |                                                                                                                     | Heavy duty structural steel                                      |
| Structure & finish          |                                                                   |                                                                                                                     |                                                                  |
| Input Voltage               |                                                                   | 25 Ton                                                                                                              |                                                                  |
| Protection class            |                                                                   | Hot dip galvanized against resist to corrosion followed by epoxy powder paint.                                      |                                                                  |
| Blocking in raised position |                                                                   | 440 VAC $\pm$ 10%, 50/60 Hz, 3 phase or 220 VAC $\pm$ 10%, 50/60 Hz, 1 phase                                        |                                                                  |
| Breakout resistance         |                                                                   | IP 67                                                                                                               |                                                                  |
| Duty cycle                  |                                                                   | Hydraulic lock                                                                                                      |                                                                  |
| Operating temperature       |                                                                   | 16,80,000 J                                                                                                         |                                                                  |
| Control Unit                |                                                                   | 11,80,000 J                                                                                                         |                                                                  |
| MTBF                        |                                                                   | 100%                                                                                                                |                                                                  |
| SAFETY                      |                                                                   | PLC/microprocessor based control panel with readily available option for integration with any access control system |                                                                  |
| Reflective radium strips    |                                                                   | 50,00,000                                                                                                           |                                                                  |
| Visual & Sound              |                                                                   | Yes                                                                                                                 |                                                                  |
| Safety for humans           |                                                                   | Yes, built in LED lights & buzzer for operational alert                                                             |                                                                  |
| Safety for vehicles         |                                                                   | IR photo cells (sensors)                                                                                            |                                                                  |
| Driver alert                |                                                                   | Loop detector                                                                                                       |                                                                  |
| OPERATIONS                  |                                                                   | Traffic light (RED/GREEN) - Optional                                                                                |                                                                  |
| Power Failure               |                                                                   |                                                                                                                     |                                                                  |
| Manual                      |                                                                   |                                                                                                                     |                                                                  |
| Accumulator (Optional)      |                                                                   | Manual down with release valve                                                                                      |                                                                  |
| Smart Access                |                                                                   | Hand pump for operating manually up & down in case of prolonged power failure / breakdown / emergency               |                                                                  |
|                             |                                                                   | Accumulator for 04 cycles up/down operations if the one does not want to operate manually                           |                                                                  |
|                             |                                                                   | Can be integrated with TOTAL BA                                                                                     |                                                                  |

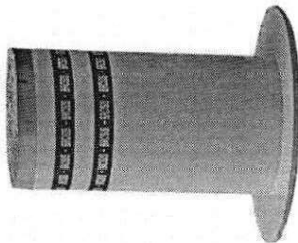
## Anti-Ram Fixed Bollards FORCE B12FB



Brosis FORCE B12FB is a fixed bollard and have been designed and manufactured bearing a resemblance similar to automatic retractable bollards and therefore allows the combined use of both type.

### Special Features

- Doesn't need any power supply.
- Cylinder is hot dip galvanized followed by anti-UV epoxy powder coating for corrosion free surface or SS chrome finish (customised).
- Composite die casting anti-slip Aluminium cylinder top.
- Service & Maintenance free.
- Bearing similar resemblance to automatic retractable bollards with same sizes.
- Can be used in conjunction with automatic retractable bollards to successfully secure a perimeter and block passage permanently.

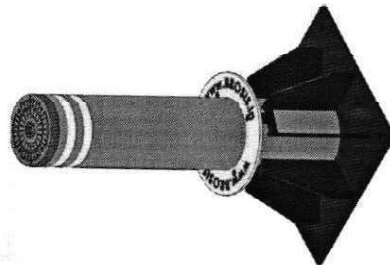
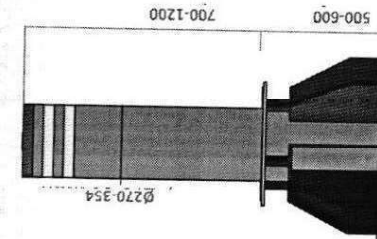
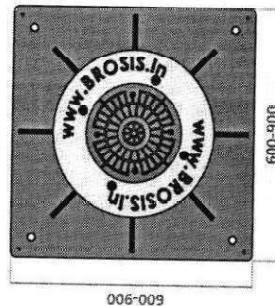


### Technical Specification

| MODEL                    | FORCE B12FB                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------|
| Type of bollard          | Fixed                                                                                              |
| Anti-Ram Class/rating    | Designed to stop 7.2 ton loaded truck @ 80 Km/h known as K12 (M50 - P1)                            |
| Diameter of cylinder     | 270 - 354 MM                                                                                       |
| Height of cylinder       | 700 - 1200 MM                                                                                      |
| Thickness of cylinder    | 25 MM                                                                                              |
| Material                 | Heavy duty structural steel                                                                        |
| Structure & finish       | Hot dip galvanized against resist to corrosion followed by epoxy powder paint or SS chrome finish. |
| Power requirement        | No power required                                                                                  |
| SAFETY                   |                                                                                                    |
| Reflective radium strips | Yes - 2 nos, on the top of cylinder of 55 cm each                                                  |

### Dimensions For Reference

All dimensions are in MM



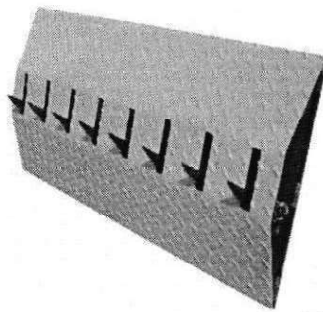
## One Way Barrier NAKH B80



Brosis NAKH B80 one way barrier is a mechanical operated device and an effective way to control speed of vehicle in addition to control traffic and regulate it in one direction.

### Special Features

- Doesn't need any power supply.
- It act as speed bump / breaker and hence control the speed of vehicle.
- Quick and easy to install onto concrete and most asphalt road surfaces with no excavation required.
- Available in 1 m lengths - single units can be joined together to form the road width coverage that is needed.
- Each spike works individually and lowers to the ground as the vehicle passes over with the vehicle's weight.
- Designed to withstand 50 tons of axle load.
- Tyres of the unauthorized vehicles will be destroyed immediately if it try to pass from the opposite direction.
- All the components are hot dip galvanized and with a superficial treatment of epoxy powder yellow color paint, in order to allow a major visibility (customize color options available).
- Surface of barrier is covered with anti-slip sheet.
- Can be used in all commercial and residential applications.
- Double the protection for your exit gates. Stop vehicles entering through exit gates.

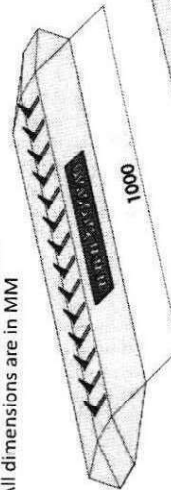


### Technical Specification

| MODEL                        | NAKH B80                                                                                 |
|------------------------------|------------------------------------------------------------------------------------------|
| Drive unit                   | Mechanically operated                                                                    |
| Height of spike above ground | 80 MM                                                                                    |
| Thickness of spike           | 10 MM                                                                                    |
| Spikes material              | Tempered steel                                                                           |
| Material                     | Heavy duty structural steel                                                              |
| Axle Load                    | 50 Tons                                                                                  |
| Structure & finish           | Hot dip galvanized against resist to corrosion followed by epoxy powder paint            |
| Adjacent spike distance      | 100 - 125 MM                                                                             |
| Power requirement            | No power required                                                                        |
| Movement                     | Counterweight to allow only the exit transit                                             |
| Blocking angle               | 60°                                                                                      |
| Coating                      | Spikes in Reflective Red color<br>Housing in Yellow color (customized options available) |

### Dimensions For Reference

All dimensions are in MM



## Anti-Ram Barrier / Drop Arm Barrier VAJRA B12



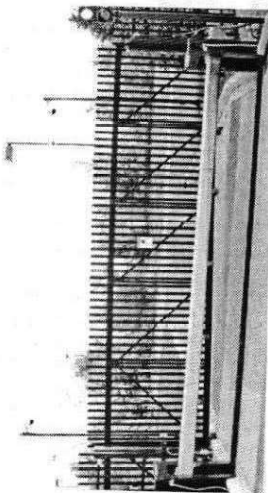
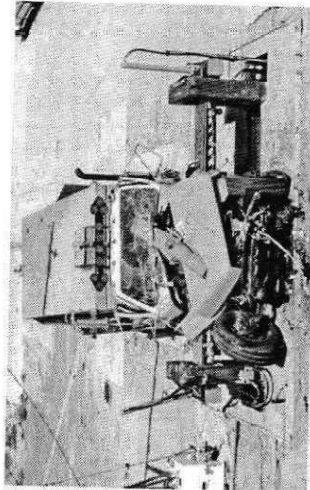
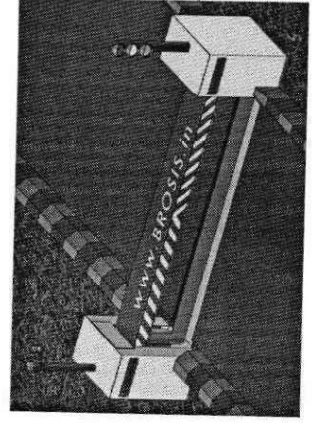
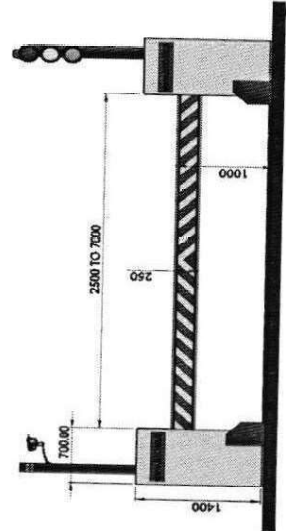
## Anti-Ram Barrier / Drop Arm Barrier VAJRA B12

### Technical Specification

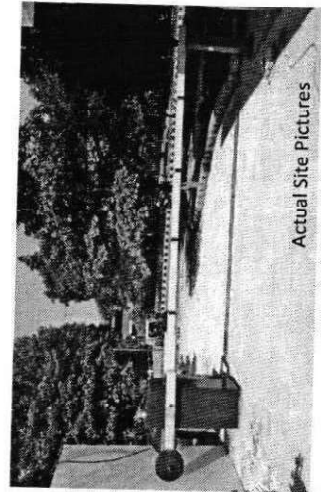
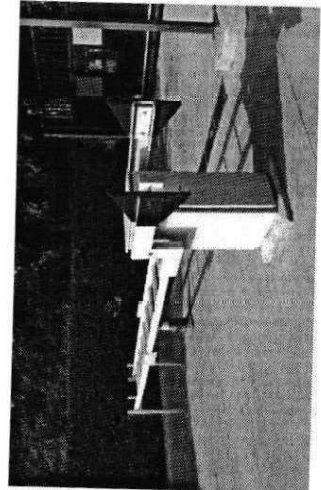
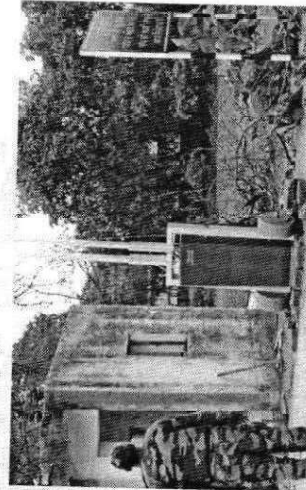
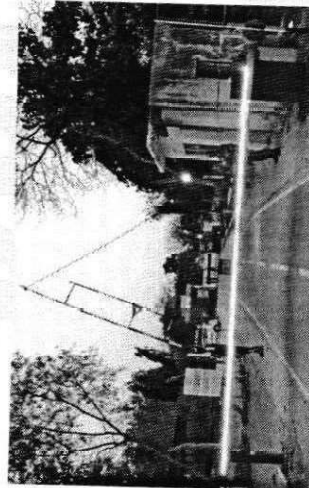
| MODEL                     | VAJRA B12                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Mechanism                 | Electro-hydraulic                                                                                                                     |
| Anti-Ram Class / Rating   | Designed to stop 7.2 ton loaded vehicle @80km/hr known as K12 (M50-P1)                                                                |
| Arm length                | 2500 - 7000 MM                                                                                                                        |
| Height of Arm from ground | 1000 MM                                                                                                                               |
| Power supply              | 440 VAC $\pm$ 10%, 50/60 Hz, 3 phase or 220 VAC $\pm$ 10%, 50/60 Hz, 1 phase                                                          |
| Material                  | Arm Holder frames fabricated from heavy steel sections, designed to support boom in the lowered position and to take full impact load |
| Structure & finish        | Galvanized against resist to corrosion followed by epoxy paint                                                                        |
| Raise & Lower time        | 6-10 seconds, raising & lowering time can be adjusted by controlling the rate of flow into or out of the cylinder.                    |
| Protection class          | IP 67                                                                                                                                 |
| Operations                | Push button / remote control or with any third access control system like biometric, RFID, proximate readers etc.                     |
| Duty Cycle                | 100%                                                                                                                                  |
| Breakout resistance       | 16,80,000 J                                                                                                                           |
| MTBF                      | 50,00,000                                                                                                                             |
| SAFETY                    |                                                                                                                                       |
| Safety for vehicles       | Loop detector                                                                                                                         |
| Safety for humans         | Photo sensors                                                                                                                         |
| Control unit              | PLC/microprocessor based control unit with readily available integration with all access control devices                              |
| Visual and Sound          | Radium reflective strips on the arm of VAJRA B12 & buzzer                                                                             |
| Driver alert              | Traffic light (Red/Green) - optional                                                                                                  |
| Smart integration         | Can be integrated with TOTAL BA                                                                                                       |
| POWER FAILURE             |                                                                                                                                       |
| Power failure             | Manual hand pump                                                                                                                      |
| Manual                    | Mechanical manual release device                                                                                                      |
| Accumulator (optional)    | Accumulator for 04 cycles up/down operations in case of emergency                                                                     |

### Dimensions For Reference

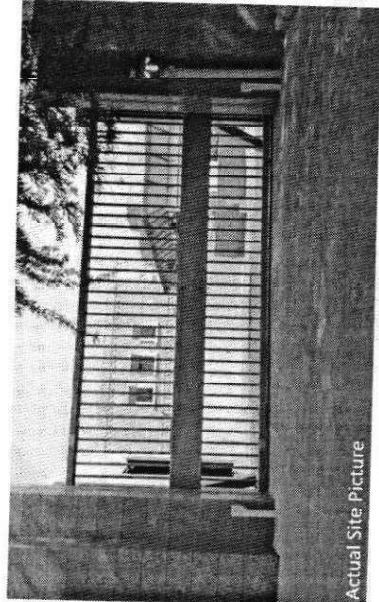
All dimensions are in MM



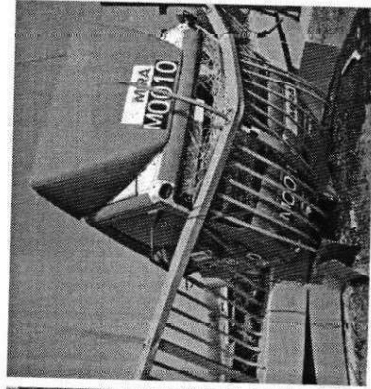
Brosis VAJRA B12 anti-ram barrier is ideal for high to medium security access control scenarios with low to medium vehicle traffic. It is perfect for cities and sites that require minimal excavation. It is seamlessly installed on entrances up to 23 feet (7 m) of clear opening, making it a much more cost effective solution compared to multiple bollards or wedges. It also overcomes harsh terrain issues, snowplows, and other roadway obstacles.



Actual Site Pictures



Actual Site Picture



Brosis KAVACH B12 crash sliding gate is designed & engineered to provide high level of security against unauthorized vehicle access. The product is able to accept any architectural enhancement over and above its standard construction; therefore it lends itself to the continuation of any high security fencing specification, powered fence or security toppings across the normally vulnerable entrance to a site.

The gate is available in variable heights, clear opening / widths, infill types as per requirement.

## Construction

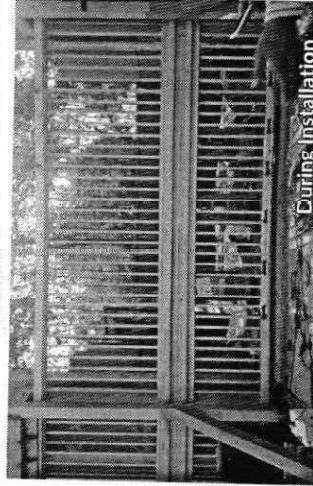
- The main frame of the gate consists of high tensile structural steel sections.
- Middle side of the gate where there will be maximum impact load during vehicle attack is strengthened with a steel bar which is located horizontally supported by the buttresses which are also manufactured from special heavy duty material beams. Buttresses are fixed to the ground by steel anchors and basement plate.
- Polyamide nylon rollers hold the gate vertically and support movement of gate to run in line and reduce noise and vibration during operation.
- Bottom wheels of gate and bottom rail are made of special EN series high quality alloy steel of high tensile strength with good ductility and shock resistance.

## Features & Benefits

- Two drive options are available - standard sliding gate rack drive system with integral logic control panel, or a heavy duty drive unit including a programmable logic controller
- Gates can be controlled manually or automatically by a variety of interfaces
- Available with a wide variety of welded mesh or vertical bar infills
- Safe operation
- Reliable and dependable
- Strength and durability
- Typically used in locations where a high security profile is of utmost priority such as defense sites, government offices, Embassies, utilities, police stations, research and development centers, other critical sites.

## Technical Specification

|                                |                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------|
| Infill                         | Your choice of mesh, solid sheet or vertical bars                                                          |
| Operating Speeds               | Typical speeds of 20 m/min (depending on configuration). Extra fast Option also available                  |
| Gate Height                    | Typically 1800mm to 3000mm (Other heights available on request)                                            |
| Gate Width                     | Up to a maximum of 7000mm                                                                                  |
| Gate Type                      | Tracked Sliding Gate                                                                                       |
| Civil Requirements             | Foundation depth from 500mm (depending on configuration)                                                   |
| Power supply                   | 440 VAC $\pm$ 10%, 50/60 Hz, 3 phase or 220 VAC $\pm$ 10%, 50/60 Hz, 1 phase                               |
| In case of power failure       | Manual operation                                                                                           |
| Operating temperature          | -20°C to + 60°C                                                                                            |
| Duty Cycles                    | 100%                                                                                                       |
| Safety for humans and Vehicles | Photo sensors                                                                                              |
| Control unit                   | PLC/micro controller based control unit with readily available integration with all Access control devices |
| Driver alert                   | Traffic light (Red/Green) - optional                                                                       |
| Smart integration              | Can be integrated with TOTAL BA                                                                            |



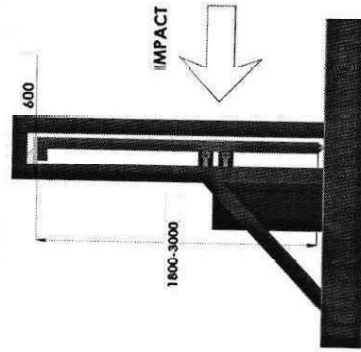
During Installation



After Installation

## Dimensions For Reference

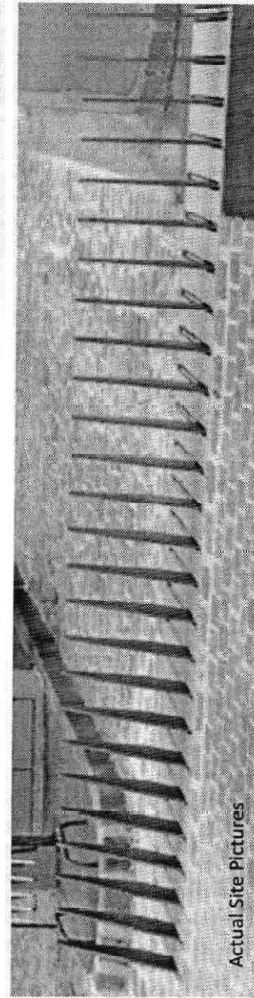
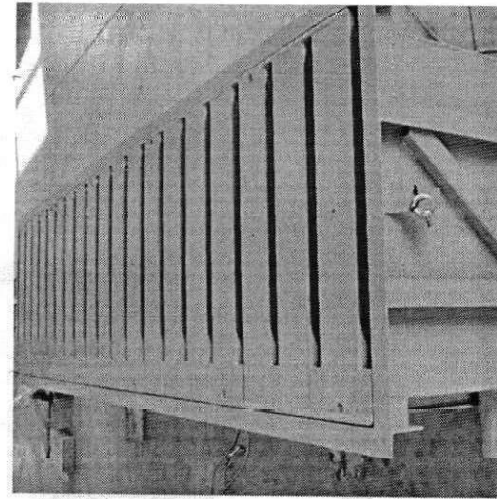
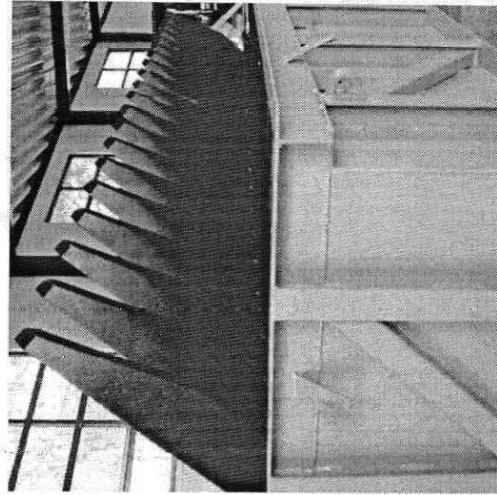
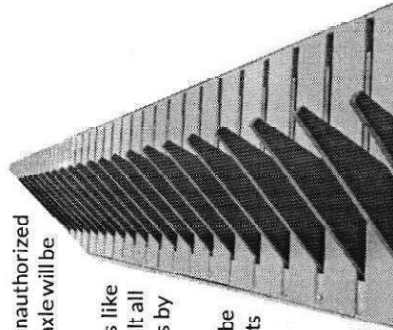
All dimensions are in MM



Brosis ASTRA B475H Axle breaker tyre killers are designed to prevent unauthorized entry or exit of vehicles. If a vehicle attempts to enter forcibly, its tyre and axle will be destroyed.

These can be used individually or in combination with other products like bollards, uvss, boom barriers etc. It is one of the best secure system to halt all type of vehicles moving at high speed having upto 40 ton of axle loads by damaging axle and tyres of vehicles.

Drainage system is provided so that accumulated dirt and water can be drained out and hence does not affect the mechanism of road blocker and its working efficiency.

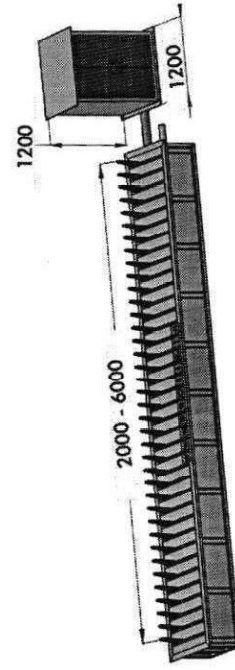
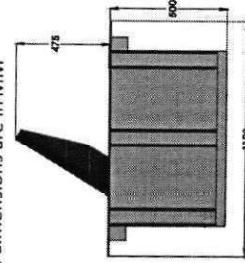


### Technical Specification

| MODEL                       | ASTRA B475H                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------|
| Drive unit                  | B475 - H (Hydraulic)                                                                                     |
| Height in raised position   | 475 mm                                                                                                   |
| Thickness of spike          | 25 mm                                                                                                    |
| Spikes material             | Tempered steel                                                                                           |
| Width of blocked driveway   | 2000 mm - 6000 mm                                                                                        |
| Material                    | Heavy duty structural steel                                                                              |
| Axle Load                   | 40 Tons                                                                                                  |
| Structure & finish          | Galvanized against resis: to corrosion followed by epoxy paint                                           |
| Adjacent spike distance     | 200 mm                                                                                                   |
| Input Voltage               | 440 VAC $\pm$ 10%, 50/60 Hz, 3 phase or 220 VAC $\pm$ 10%, 50/60 Hz, 1 phase                             |
| Rise time                   | 3-5 sec                                                                                                  |
| Down time                   | 3 sec                                                                                                    |
| Blocking angle              | 60°                                                                                                      |
| Protection class            | IP 67                                                                                                    |
| Duty cycle                  | 100%                                                                                                     |
| Coating                     | Spikes in Reflective Red, Housing in Siemens Grey (customized options)                                   |
| Blocking in raised position | Hydraulic lock                                                                                           |
| Operating temperatures      | -20°C to +60°C                                                                                           |
| MTBF                        | 50,00,000                                                                                                |
| <b>SAFETY</b>               |                                                                                                          |
| Safety against vehicles     | Loop detector                                                                                            |
| Safety against humans       | Photo sensors                                                                                            |
| Control unit                | PLC/microprocessor based control unit with readily available integration with all access control devices |
| Visual & Sound              | Radium reflective strips on spikes & buzzer for operational alert                                        |
| Driver alert                | Traffic light (Red/Green) - optional                                                                     |
| Smart integration           | Can be integrated with TOTAL BA                                                                          |
| <b>POWER FAILURE</b>        |                                                                                                          |
| Power failure               | Manual hand pump                                                                                         |
| Manual                      | Mechanical manual release device                                                                         |
| Accumulator (optional)      | Accumulator for 04 cycles up/down operations in case of emergency                                        |

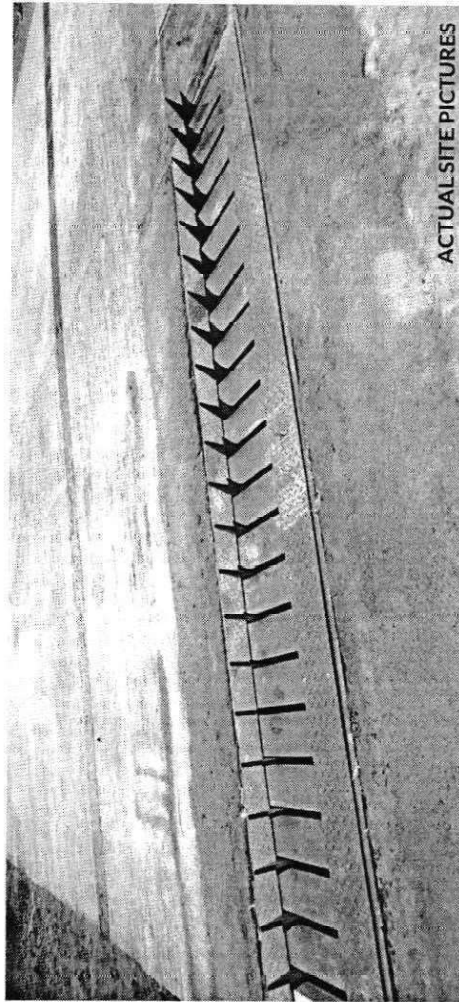
### Dimensions For Reference

All dimensions are in MM

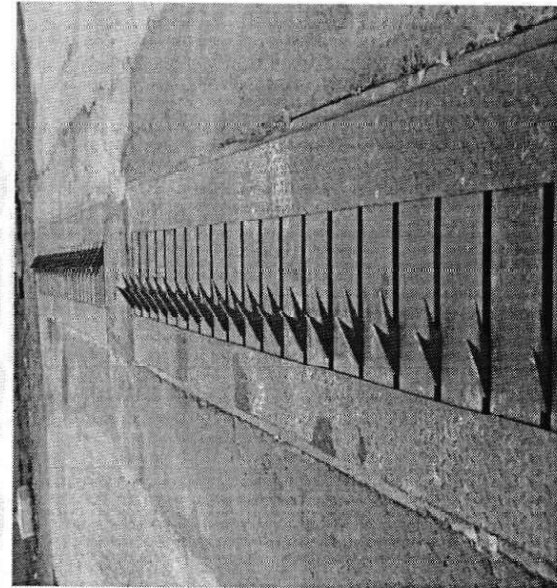


Brosis Tyre Killer SPIKE B150H are designed keeping in mind for the security of those places where there is severe threat of vehicle attack. It is one of the best secure system to stop vehicles moving at high speed having upto 50 ton of axle loads by damaging rim and tyre of vehicle.

It is specially designed to penetrate tyres with minimum 3" thickness with penetration upto 4" and hence enable vehicle to halt within distance of 2-3 meters.



ACTUAL SITE PICTURES

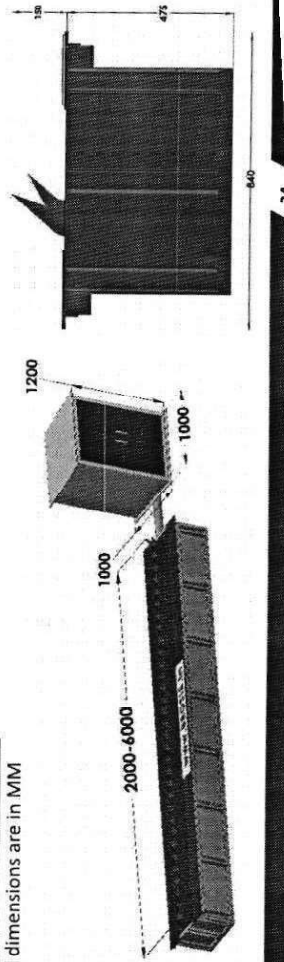


### Technical Specification

|                              |                                                                                                          |
|------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>MODEL</b>                 | Spike B150H                                                                                              |
| Installation type            | Flat type                                                                                                |
| Drive unit                   | B150 - H (Hydraulic), B150 - P (Pneumatic)                                                               |
| Height of spike above ground | 150 MM                                                                                                   |
| Thickness of spike           | 25 MM                                                                                                    |
| Spikes material              | Heavy duty hardened steel                                                                                |
| Width of blocked driveway    | 2000 mm - 6000 mm                                                                                        |
| Housing Material             | heavy duty structural steel                                                                              |
| Axle Load                    | 50 Tons                                                                                                  |
| Structure & finish           | Galvanized against resist to corrosion followed by epoxy paint                                           |
| Adjacent spike distance      | 200 MM                                                                                                   |
| Input Voltage                | 440 VAC $\pm$ 10%, 50/60 Hz, 3 phase or 220 VAC $\pm$ 10%, 50/60 Hz, 1 phase                             |
| Rise time                    | 2 sec                                                                                                    |
| Down time                    | 1 sec                                                                                                    |
| Blocking angle               | 60°                                                                                                      |
| Protection class             | IP 67                                                                                                    |
| Duty cycle                   | 100%                                                                                                     |
| Coating                      | Spikes in Reflective Red, Housing in Siemens Grey (customized options)                                   |
| Blocking in raised position  | Hydraulic lock/Pneumatic lock                                                                            |
| Operating temperatures       | -20°C to +60°C                                                                                           |
| MTBF                         | 50,00,000                                                                                                |
| <b>SAFETY</b>                |                                                                                                          |
| Safety against vehicles      | Loop detector                                                                                            |
| Safety against humans        | Photo sensors                                                                                            |
| Control unit                 | PLC/microprocessor based control unit with readily available integration with all access control devices |
| Visual & Sound               | Radium reflective strips on spikes & buzzer for operational alert                                        |
| Driver alert                 | Traffic light (Red/Green) - optional                                                                     |
| Smart integration            | Can be integrated with TOTAL BA                                                                          |
| <b>POWER FAILURE</b>         |                                                                                                          |
| Power failure                | Manual hand pump                                                                                         |
| Manual                       | Mechanical manual release device                                                                         |
| Accumulator (optional)       | Accumulator for 04 cycles up/down operations in case of emergency                                        |

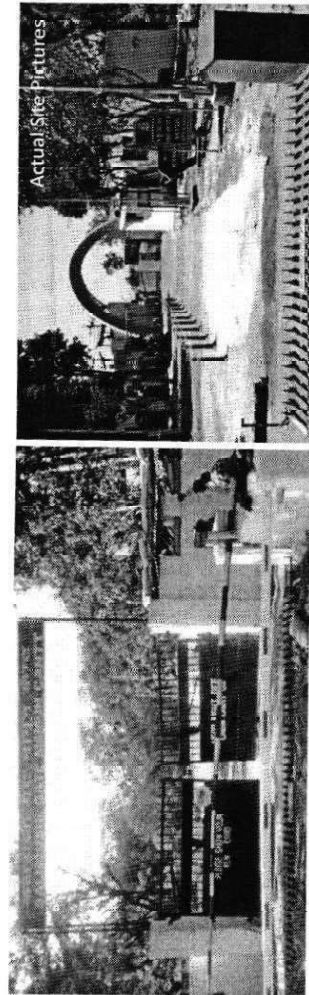
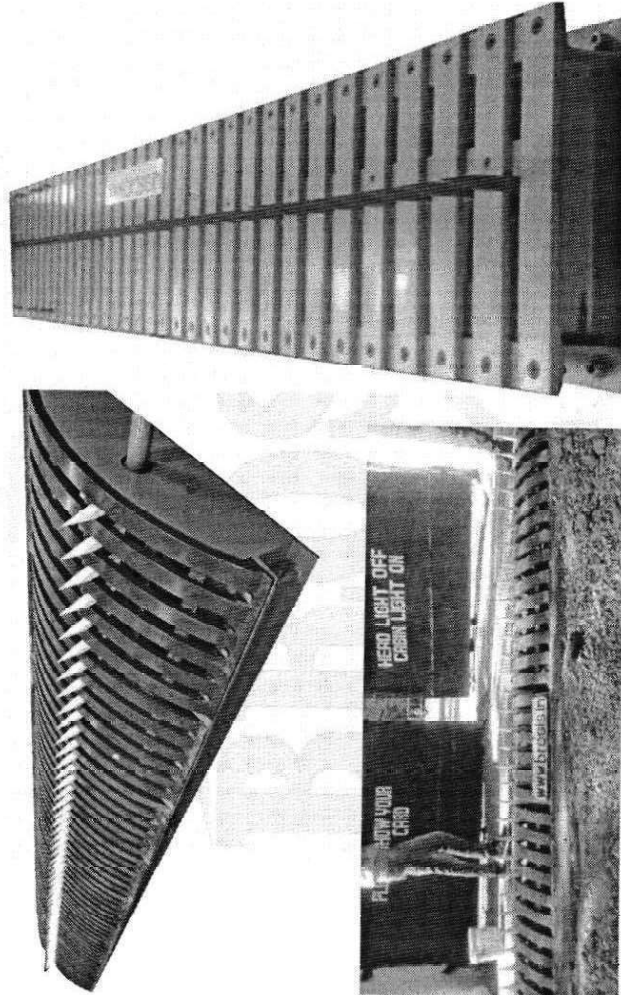
### Dimensions For Reference

All dimensions are in MM





Brosis SPIKE B150C Tyre Killer are designed keeping in mind for the security of those places where there is severe threat of vehicle attack. It is one of the best secure system to stop vehicles moving at high speed having upto 50 ton of axle loads by damaging rim and tyre of vehicle.



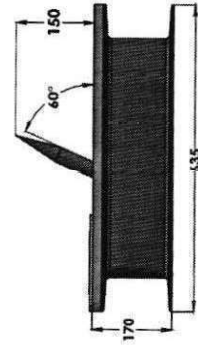
Actual Site pictures

### Technical Specification

| MODEL                        | SPIKE B150C                                                                                              |
|------------------------------|----------------------------------------------------------------------------------------------------------|
| Installation type            | Flat Type / Hump Type                                                                                    |
| Drive unit                   | B150-H (Hydraulic), B150-P (Pneumatic), B150-E (Electro mechanical)                                      |
| Height of spike above ground | 150 MM                                                                                                   |
| Thickness of spike           | Ø 32 MM                                                                                                  |
| Spikes material              | Heavy duty hardened steel                                                                                |
| Width of blocked driveway    | 2000 mm - 5000 mm                                                                                        |
| Housing Material             | Heavy duty structural steel                                                                              |
| Axle Load                    | 50 Tons                                                                                                  |
| Structure & finish           | Galvanized against resist to corrosion followed by epoxy paint                                           |
| Adjacent spike distance      | 100 - 110 MM                                                                                             |
| Input Voltage                | 220 VAC ± 10%, 50/60 Hz, 1 phase or 440 VAC ± 10%, 50/60 Hz, 3 phase                                     |
| Rise time                    | 2-4 sec                                                                                                  |
| Down time                    | 2 sec                                                                                                    |
| Blocking angle               | 60° or 90°, as per customer requirement                                                                  |
| Protection class             | IP 67                                                                                                    |
| Duty cycle                   | 100%                                                                                                     |
| Coating                      | Spikes in Reflective red, Housing in Siemens Grey/Yellow or (customized)                                 |
| Blocking in raised position  | Hydraulic lock/Pneumatic lock/Electric lock                                                              |
| Operating temperatures       | -20° C to +60° C                                                                                         |
| MTBF                         | 50,00,000                                                                                                |
| <b>SAFETY</b>                |                                                                                                          |
| Safety against vehicles      | Loop detector                                                                                            |
| Safety against humans        | Photo sensors                                                                                            |
| Control unit                 | PLC/microprocessor based control unit with readily available integration with all access control devices |
| Visual & Sound               | Radium reflective strips on spikes & buzzer for operational alert                                        |
| Driver alert                 | Traffic light (Red/Green) - optional                                                                     |
| Smart integration            | Can be integrated with TOTAL BA                                                                          |
| <b>POWER FAILURE</b>         |                                                                                                          |
| Power failure                | Manual hand pump                                                                                         |
| Manual                       | Mechanical manual release device/pressure relief valve                                                   |

### Dimensions For Reference

All dimensions are in MM

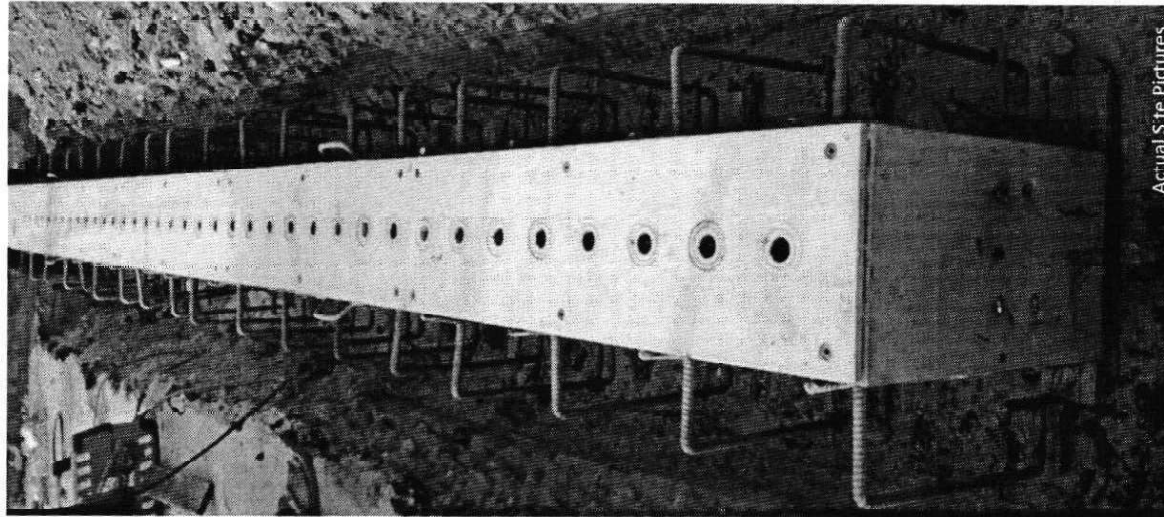
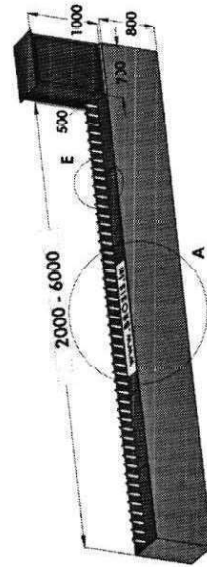


### Technical Specification

| MODEL                           | Spike B150T                                                                                              |
|---------------------------------|----------------------------------------------------------------------------------------------------------|
| Installation type               | Flat Type (active 2-way spikes with dual hollow air vent)                                                |
| Drive unit                      | B150 - H (Hydraulic), B150 - P (Pneumatic)                                                               |
| Height of spike above ground    | 90 - 150 MM                                                                                              |
| Spikes material                 | Tempered steel                                                                                           |
| Width of blocked driveway       | 2000 MM - 6000 MM                                                                                        |
| Housing Material                | Structural steel                                                                                         |
| Axle Load / vehicle load        | 50 Tons                                                                                                  |
| Structure & finish              | Galvanized against resist to corrosion followed by epoxy paint                                           |
| Centre to centre spike distance | 100 - 125 MM                                                                                             |
| Input Voltage                   | 220 VAC, 50/60 Hz, single phase ; 3 phase (optional)                                                     |
| Rise time                       | 3 sec                                                                                                    |
| Down time                       | 2 sec                                                                                                    |
| Blocking angle                  | 90°                                                                                                      |
| Protection class                | IP 67                                                                                                    |
| Duty cycle                      | 100%                                                                                                     |
| Coating                         | Spikes in Reflective Red, Housing in Siemens Grey/Yellow (customized)                                    |
| Blocking in raised position     | Hydraulic lock/Pneumatic lock                                                                            |
| Operating temperatures          | -20°C to +60°C                                                                                           |
| MTBF                            | 50,00,000                                                                                                |
| <b>SAFETY</b>                   |                                                                                                          |
| Safety against vehicles         | Loop detector                                                                                            |
| Safety against humans           | Photo sensors                                                                                            |
| Control unit                    | PLC/microprocessor based control unit with readily available integration with all access control devices |
| Visual & Sound                  | Radium reflective strips on spikes & buzzer for operational alert                                        |
| Driver alert                    | Traffic light (Red/Green) - optional                                                                     |
| Smart integration               | Can be integrated with TOTAL BA                                                                          |
| <b>POWER FAILURE</b>            |                                                                                                          |
| Power failure                   | Manual hand pump                                                                                         |
| Manual                          | Mechanical manual release device                                                                         |
| Accumulator (optional)          | Accumulator for 04 cycles up/down operations in case of emergency                                        |

### Dimensions For Reference

All dimensions are in MM



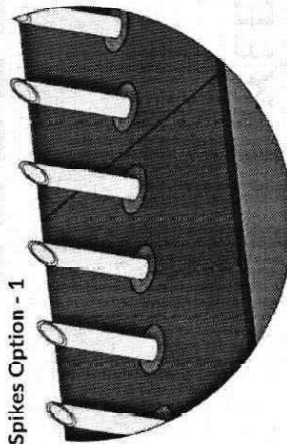
Actual Site Pictures

Brosis SPIKE B150T is two way tyre killer / spike barrier which is specially designed to secure entry where vehicles used to pass from entry/exit. Spike B150T comprise of set of hollow spikes which act as fail-safe puncture tool capable of bringing a vehicle to complete halt without harming passengers.

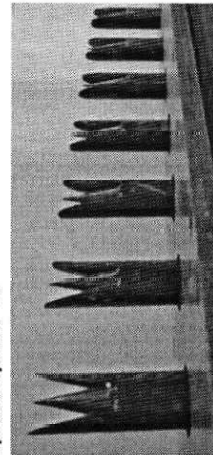
The Hollow spikes have been engineered to ensure that a vehicle will be disabled irrespective of its moving direction. It can puncture tyres of vehicles of all types & sizes.

Drainage system is provided so that accumulated dirt and water can be drained out and hence does not affect the mechanism of tyre killer and its working efficiency.

Spikes Option - 1



Spikes Option - 2





Broasis BI-3rd EYE is the bi-directional, embedded solution that introduces in response to the growing need for Under Vehicle Surveillance Systems. The system's main aim is to provide private or government institutions with a powerful inspection tool that allows visual detection of potential threats to the security of its facilities.

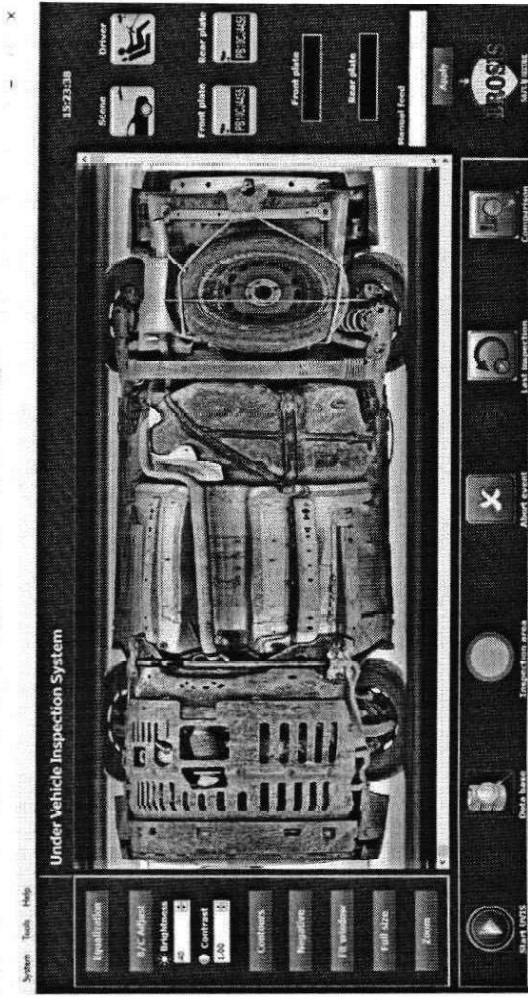
These threats range from weapons, packages of drugs and explosives, to any other foreign object different to the mechanical structure of the vehicle's underbody.

The general operation process of BROSIS UVSS is carried out in a following stages:

- Snapshots of both scene and driver of the vehicle
- License plate recognition using an LPR camera.
- Vehicle's underbody scanning up to maximum speed of 40 Km/Hr.
- 2-3 seconds to automatically compare the subject vehicle's undercarriage to a safe vehicle (stored in the database) and display both on the screen.
- Immediately identifies any foreign object or modifications to the undercarriage by circling them with a red ring and at the same time activates an audio and/or visual alarm.
- Automatically distinguishes between vehicle types (bus, truck, SUV, car etc.) without operator assistance and produces composite stitched images of identical high quality without the need to adjust scanner settings or lighting.
- Get panoramic image and visual inspection of this by the operator.
- Driver identification through biometrics or proximity card (optional).
- Auto throw air pump inbuilt to clean camera enclosure.

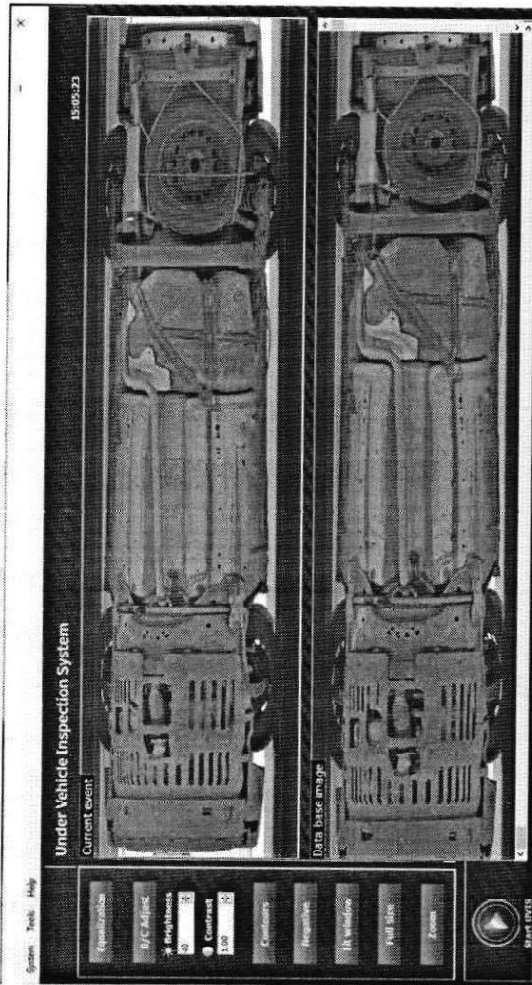
### Graphic user interface option

1. **EQUALIZATION:** This ALGORITHM produces a color image that homogenizes the brightness automatically to highlight those areas of the image that may appear a little dark.

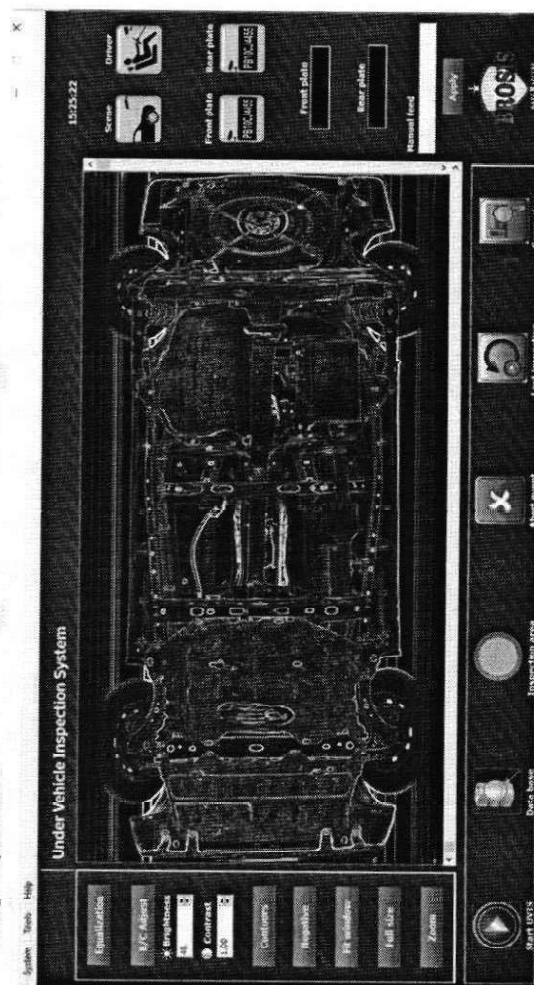


2. Brightness and contrast adjustment of AUTO-COMPARISON of current and data base image: Brightness and contrast controls of the image according to the following thresholds:

0% ≤ Brightness ≤ 100%, by intervals of 1%; 0.00 ≤ Contrast ≤ 3.00, by intervals of 0.1%



3. **CONTOURS EXTRACTION:** This algorithm produces a binary image representing the closed contours of the visually perceptible parts of the vehicle. These silhouettes offer another alternative for finding foreign objects on it.





Ref: VEPL/ICD2/ICT/Q018/2019-20

Date: 06.05.2019

**M/s, MODI PROPERTIES**

5-4-187/3&4, II Floor, M.G. Road,  
Secunderabad-500003.

Phone: +91-40-66335551

Mobile: +91-9100126998

Email: sitaram@modiproperties.com

**Kind Attn:** Mr. B.Sitaramanjaneyulu

**Dear Sir,**

**Sub: ANNUAL MAINTENANCE CONTRACT.**

With reference to the above subject, we would like to submit our offer as per your requirement for your favorable considerations as under

**PRICE SCHEDULE:**

| SI. NO | Description                                                                                                                                                                               | QTY | Item Price | Price     | GST 18%  | Total Price |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|-----------|----------|-------------|
| 1      | Autozon AMC for In & Out Boombarrier - 2nd Year<br>Product Listed:<br>Boom - 2nos<br>Barrier - 2nos<br>Motor - 2nos<br>RFID Reader - 2nos<br>2 Door Controller - 2nos<br>Photocell - 2nos | 1   | 22,685.00  | 22,685.00 | 4,083.30 | 26,768.30   |



|   |                                                                                                                                                                                               |   |           |                   |           |                   |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------|-------------------|-----------|-------------------|
| 2 | Autozon AMC for In & Out<br>Boombarrrier – 3rd Year<br>Product Listed:<br>Boom - 2nos<br>Barrier - 2nos<br>Motor - 2nos<br>RFID Reader - 2nos<br>2 Door Controller - 2nos<br>Photocell - 2nos | 1 | 34,027.50 | 34,027.50         | 6,124.95  | 40,152.45         |
| 3 | Autozon AMC for In & Out<br>Boombarrrier – 4th Year<br>Product Listed:<br>Boom - 2nos<br>Barrier - 2nos<br>Motor - 2nos<br>RFID Reader - 2nos<br>2 Door Controller - 2nos<br>Photocell - 2nos | 1 | 45,370.00 | 45,370.00         | 8,166.60  | 53,536.60         |
|   | <b>TOTAL</b>                                                                                                                                                                                  |   |           | <b>102,082.50</b> | 18,374.85 | <b>120,457.35</b> |

### TAXES:

GST as applicable. If any other tax is levied in future by State / Central Government, it will be to your account.

| Sl.No | Description       | Applicable of Taxes | TAX (%)      |
|-------|-------------------|---------------------|--------------|
| 1     | Quote for Supply  | GST                 | 5,12,18 & 28 |
| 2     | Quote for Service |                     | 18           |

### VALIDITY:

Our Offer is valid for 7 days from this date and there after it is subject to our confirmation only



**ANNEXURE**

Comprehensive  
Annual Maintenance Contract

Between

**VOLTECH ENGINEERS PVT LTD**

And

M/s. **MODI PROPERTIES,**

5-4-187/3&4, II Floor, M.G. Road,  
Secunderabad-500003.

(Herein after called "the customer" which terms includes its heirs, assigns and successors) of the other part. The Company agrees in consideration of Rs.96,366.00 /- (**Rupees Ninety Six Thousand Three Hundred and Sixty Six only**) Per Annum Payable In advance to carry out the Maintenance of customer system including Spares as mentioned below.

**Boombarrrier:**

Boom - 2nos

Barrier - 2nos

Motor - 2nos

RFID Reader - 2nos

2 Door Controller - 2nos

Photocell - 2nos

**TERMS AND CONDITION:**

1. VOLTECH ENGINEERS PVT LTD will provide on call service for the system for a period of one year from the date of expiry of the warranty agreement or from the date of commencement new agreement.
2. Request for service can be made at the following Telephone No.044 -4397 8000 / 15Lines.
3. Your Complaint will be attended within next 24 hours from the date of complaint made.



4. Preventive Maintenance will be performed on a basis on the system on a schedule basis.
5. This agreement specifically excludes damage caused due to fire, flood, riot, burglary, accidents and other exceptional circumstances
6. The Contractor shall have the option to terminate this contract in case they said machine is served / repaired by any unauthorized people other than the contractor. In such an event there shall be no refund of charges by the contractor.
7. The Client shall be responsible for providing proper grounded and stabilized power Source as prescribed. Any consequential damage to the system due to deviation from this will not be covered under this agreement.
8. The agreement extended for only to problems arising out of normal functioning of the System and does not cover any breakdown, services or spares caused arising out of misuse of the system or it use under environmental conditions not prescribed.
9. This agreement is confined to repairs and replacement of the defective parts only and does not cover any consequential or resulting liabilities, damage or loss.
10. For Comprehensive AMC (3 yrs.) the technical person will attend the service quarterly wise (4 times in a year) and will attend emergency calls 4 times in a year.
11. This agreement will authorize only VOLTECH Personnel to perform maintenance on the system.
12. Software, Batteries & Proximity Cards will not be covered under this warranty.
13. The terms of payment for this agreement shall be made 80% in advance and 20% at the end of every year through Demand Draft / RTGS / NEFT favoring **VOLTECH ENGINEERS PVT LTD.**

**M/s.VOLTECH ENGINEERS PVT LTD** and **M/s. MODI PROPERTIES** have agreed to maintain the system specified in this agreement in accordance with and subject to the Terms and conditions mentioned above:



M/s. MODI PROPERTIES

M/s. VOLTECH ENGINEERS PVT LTD

Name :

Name : L.T.Arjun Raja

Signature :

Signature :

Date :

Date : 06/05/2019

**CONTACT DETAILS:**

Customer must clearly indicate in the Contract the name of contact person for Execution as well as for commercial related issues (Submission of Invoice, Payment, etc.). For all technical /commercial related inquiries, Customer may contact our Voltech Representative:

1. Name : **Mr.L.T.Arjun Raja**  
Designation : **Business Unit Head – ICD2 - Cluster C**  
Mobile : +91-9500130154  
Email : [arjunraja.t@voltechgroup.com](mailto:arjunraja.t@voltechgroup.com);  
[ict@voltechgroup.com](mailto:ict@voltechgroup.com)

We trust our offer will be most competitive and look forward an opportunity to the pleasure of receiving your valued orders which will receive our prompt attention.

Thanking you with an assurance of our best services at all times.

Yours faithfully,

for **VOLTECH ENGINEERS PVT.LTD.**

**L.T. Arjun Raja**  
**Business Unit Head – ICD2 - Cluster**  
Encl: As above



Ref: VEPL/ICD2/ICT/Q017/2019-20

Date: 04.05.2019

**M/s. MODI PROPERTIES**

5-4-187/3&4, II Floor, M.G. Road,  
Secunderabad-500003.

Phone: +91-40-66335551

Mobile: +91-9100126998

Email: [sitaram@modiproperties.com](mailto:sitaram@modiproperties.com)

**Kind Attn: Mr.B.Sitaramanjaneyulu**

Dear Sir,

**Sub: Our Offer for Supply Installation and Commissioning of Boom Barrier at your Premises.**

With reference to the above subject, we would like to submit our offer as per your requirement for your favorable considerations as under:

**SCOPE OF WORK:**

- Supply, Installation & Commissioning Boom Barrier at your Premises.

**PRICE SCHEDULE:**

Our Charges for the above scope of work shall be **Rs. 301,781.25/- as per Annexure I (Rupees Three Lakhs One Thousand Seven Hundred and Eighty One and Twenty Five Paise Only)** exclusive of GST.

**VALIDITY:**

Our Offer is valid for 30 days from this date and there after it is subject to our confirmation only

**TAXES:**

GST as applicable @ **18%** (as per Govt. Norms). If any other tax is levied in future by State/Central Government, it will be to your account. **Our GST No: 33AACC0108M1ZK.**

**PAYMENT TERMS:**

- 70% payment shall be made against purchase order,
- Balance 30% after completion of work, immediate from the date of our Invoice by means of Demand Draft / RTGS / NEFT (Account details will be furnished later).

**TERMS & CONDITIONS:**

- Require the valid purchase order before starting the work.
- Transportation will be claimed as actual.
- Prior Intimation Before 7 days should be required to operate the team optimistically.
- Customer should provide a secure place to store our test equipment's / instruments at site premises throughout the work period.
- Any civil & carpentry will be in your scope.
- Uninterrupted power supply for each device will be in your scope.
- Warranty shall be 12 Months from the date of commissioning.
- Necessary co-ordination with the customer shall be arranged by you.
- Necessary gate pass for our Engineers & Testing kits shall be arranged by you.
- Necessary drawings/manuals scheme shall be provided for our reference and return.
- Necessary power supply points (3 phase / single phase) shall be made available to us at required location at free of cost.

We trust our offer will be most competitive and look forward an opportunity to the pleasure of receiving your valued orders which will receive our prompt attention.

Thanking you with an assurance of our best services at all times.

Yours faithfully,

**for VOLTECH ENGINEERS PVT.LTD.**



**K. S. V. Vijayan**

Executive Director

Mob: +91- 9600095612

Email: [vijayan.ksv@voltechgroup.com](mailto:vijayan.ksv@voltechgroup.com) & [icd2@voltechgroup.com](mailto:icd2@voltechgroup.com)

**ANNEXURE I**

| SL.NO        | Description                                                                                                                                              | Model         | QTY | Item Price | Price             | GST 18%          | Total Price       |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----|------------|-------------------|------------------|-------------------|
| 1            | AUTOZON AZ201 Boom Barrier<br>Boom Barrier<br>Spec:<br>Boom Length - 4 Mtr<br>Barrier unit -1no<br>V- Holder - 1no<br>Push Button -1no<br>Remote - 2 nos | AUTOZON AZ201 | 2   | 66,000.00  | 132,000.00        | 23,760.00        | 155,760.00        |
| 2            | UHF RFID READER                                                                                                                                          |               | 2   | 30,000.00  | 60,000.00         | 10,800.00        | 70,800.00         |
| 3            | DOOR CONTROL UNIT                                                                                                                                        |               | 2   | 18,125.00  | 36,250.00         | 6,525.00         | 42,775.00         |
| 4            | INSTALLATION AND SOFTWARE                                                                                                                                |               | 2   | 7,500.00   | 15,000.00         | 2,700.00         | 17,700.00         |
| 5            | UHF RFID Sticker                                                                                                                                         |               | 250 | 87.50      | 21,875.00         | 3,937.50         | 25,812.50         |
| 6            | PUSH BUTTON SWITCH                                                                                                                                       |               | 2   | 1,875.00   | 3,750.00          | 675.00           | 4,425.00          |
| 7            | pvc duct                                                                                                                                                 |               | 25  | 68.75      | 1,718.75          | 309.38           | 2,028.13          |
| 8            | power cable 6sq.mm                                                                                                                                       | finolex       | 25  | 81.25      | 2,031.25          | 365.63           | 2,396.88          |
| 9            | MCB                                                                                                                                                      |               | 2   | 437.50     | 875.00            | 157.50           | 1,032.50          |
| 10           | Fixing charge                                                                                                                                            |               | 2   | 7,500.00   | 15,000.00         | 2,700.00         | 17,700.00         |
| 11           | CIVIL FOUNDATION                                                                                                                                         |               | 2   | 6,250.00   | 12,500.00         | 2,250.00         | 14,750.00         |
| 12           | PVC duct LAYING AND CABLE<br>OULLING                                                                                                                     |               | 25  | 31.25      | 781.25            | 140.63           | 921.88            |
| <b>TOTAL</b> |                                                                                                                                                          |               |     |            | <b>301,781.25</b> | <b>54,320.63</b> | <b>356,101.88</b> |

**FORTUNE AUTOMATION**

Plot No-68 2nd Floor, Jagannath Tower  
Sikh Village, Secunderabad-500009  
Mobile: +917997147774, 040-40037037  
Email : fortuneautomationyhderabad@gmail.com

Date : 04/4/2019  
Quote No : 2019/6

**Bill To:**

Mr : Sitaram  
M/s : Modi Properties Pvt Ltd  
Add: Secunderabad  
Mob: +919100126998

**Ship To:**

Mr : Sitaram  
Email : sitaram  
: @modiproperties.com  
Add : Secunderabad  
Mob : +919100126998

| Qty | Item             | Description                                                                                                                                                                                                                                                                                                                | Unit Price | Tax     | Total       |
|-----|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|-------------|
| 2   | Boom Barrier Kit | Model Boom Barrier<br>Electromechanical Control Card<br>Barrier for 4-5m Boom length.<br>Opening/closing RFID Automatic.<br>White painted aluminum bar with<br>Manual push button.<br>Manual release facility in case of<br>Power failure. Remote Open/Closed<br>Duty cycle: 100% intensive use.<br>With foundation plate. | 1.45.000/- | GST@18% | 2.90.000-00 |
| 2   | Insstallation    | Installation & Programeing                                                                                                                                                                                                                                                                                                 | 10.000/-   | GST@18% | 20.000-00   |

Subtotal : 3.10.000-00

GST@18%: 55.800-00

Total : 3.65.800-00

- 1) Price : Price valid for 5-7 days.
- 2) Delivery : Delivery & Installation will take 10-25 days against Order Confirmation.
- 3) Warranty : One Year from the Date of invoice.  
: Burning, Water damage, Braking External issues not cover under warranty  
: Against Workmanship and Manufacturing defects.
- 4) Exclusions : All necessitated civil, electrical, carpentry & finishing works along with any material required for  
installation& site assistance whatsoever. Its client scope
- 5) Payments : Product Payment will have pay in advance and remaining against Installation.

**Please contact us for more information about payment options**

**GST Details**

GST- 36DDSPK6186H1ZU

**Bank Account Details**

Account Name : FORTUNE AUTOMATION  
Bank Name & Address : ANDHRA BANK, RP Road, Secunderabad, Telanga, PIN CODE : 500-003, India.  
INR Account no : 050511100004465  
IFSC/RTGS Code : ANDB0000505

The Payment of the the products shall be made as per the payment terms mentioned in the invoice.  
The product remains to be the property of Fortune Automation till the time this invoice has been paid in the full by the customer. Manufacturer terms and conditions of sales, support and warranty apply.  
Thank you for your business.

## Company profile

**Dear Sir / Madam,**

We are pleased to introduce our self as a Master of Security Systems, Automations Systems, Fire Systems and Security Guards Field.

**FORTUNE AUTOMATION (PERFECT SOLUTIONS FOR GROWING TECHNOLOGIES)**

**FORTUNE AUTOMATION** is India's premier company in Auto Entry, Home Automation and Automatic Doors, Security Systems and Security Guards.

Since its incorporation in 2009

**FORTUNE AUTOMATION** has held a lead position in importing, distributing and installing Entrance Automation Systems that are problem free and easy to operate.

**FORTUNE AUTOMATION proud to carry the finest product includes.**

- Automation Systems
- Security Systems
- Solar Systems
- Security Guards

We believe these products to be the most technically advanced systems in the market for almost any application you might envision

We operate from one of the most modern design and manufacturing facilities in the business and employ a team of highly skilled engineers.

We are geographically well placed to meet the needs of our wide customer base around the country, which spans individual homes, manufacturing and service companies, leisure operators and local authorities.

We are handling all of these products in Servicing and **(A M C)** Annual Maintenance Contract as well.

## PRODUCTS PRESENTATION

### AUTOMATION SYSTEMS

Automatic Sensor Door & Gates Systems  
Automatic Swing & Sliding Gates Systems  
Automatic Traffic Boom Barriers & Bollards  
Automatic Rolling Shutters Systems  
Scanners

### SECURITY SYSTEMS

IP Cameras, Cctv  
Biometrics  
Anti Theft Systems  
Alcohol Breath Analyzers  
GPS Tracking 24x7 Operating System  
Video Door Phones  
Dfmd, Hhmd, Uvsm Cash Counting Machines  
Mobile Jammers  
Mobile Signal Boosters  
Bar Code Machines,

### FIRE SYSTEMS

Fire Alarms  
Sprinkler Systems  
Hydrant Systems  
X Ray Baggage

### SECURITY GUARDS

Client Manager  
Supervisor  
Field Officer  
Security Force  
Walk Talkies

OUR CHANNEL PARTNERS

**HIKVISION®**

**CP PLUS** **Sensormatic®**  
enhancing vision security, local business

**eSSL**

**TELTONIKA**



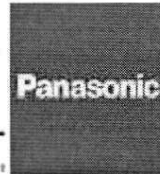
**BOSCH**  
Invented for life

**SAMSUNG**

**alhua**  
TECHNOLOGY



**SONY**  
cctv center  
SAVING THE BIG PICTURE



**Honeywell**

**SECURUS®**  
Security. Never Compromise!!

**Godrej ZAVIO**



**KRYSTAL VISION**  
KRYSTALVISION 6550



**REALTIME**  
Power of Biometrics  
**MAXIMUS**

**RaySharp KABA®**

