CODE NO. 02

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TECHNICAL SPECIFICATION **FOR EXPLOSIVE TYPE PICKET DRIVING SYSTEM OF AERV**

Document No- VRDE/TV/AERV/Spec/PDS (Jun 2018) Rev 1.2

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> **GOVERNMENT OF INDIA** MINISTRY OF DEFENCE **DEFENCE RESEARCH & DEVELOPMENT ORGANIZATION** VEHICLES RESEARCH DEVELOPMENT ESTABLISHMENT VAHANNAGAR P.O., AHMEDNAGAR – 414 006

Under the Authority of Secretary, Ministry of Defence, Govt of India Jun 2018

Amendment Record Sheet

Document Title & Number - TECHNICAL SPECIFICATION FOR EXPLOSIVE TYPE PICKET DRIVING SYSTEM OF AERV

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Sr No	Nature / detail of amendment	Page Para Number	Issue Revision Number	Date of Amendmen t	Authority for Amendment	Document custodians Signature
1	2	3	4	5	6	7
1	CQA(EE)Letter No CQAE/FE/AERV/5 184 dated 08 Nov 2017		Rev 1.1	05 Dec 2017	VRDE	< r21
2	Firing current changed , Platform Selection rotary switch added		Rev 1.2	18 Jun 2018	VRDE	

CERTIFICATE

Certified that this Document No- VRDE/TV/AERV/Spec/PDS (Jun 2018)

Rev 1.2 contain 13 Pages which have been serially numbered from 1 to 13

Date - 20 Jun 2018 Name: PT Dahiwade

Designation : Sc'E'

VRDE Ahmednagar

ASSOCIATED HANDBOOKS

Technical Literature for Explosive Type Picket Driving System comprises of the following:

- 1) USER HANDBOOK AND LOG BOOK
- 2) ILLUSTRATRED SPARE PART LIST
- 3) TECHNICAL MANUAL AND MANUFACTURERS RECOMMENDED LIST OF SPARES
- 4) ACCEPTANCE TEST PROCEDURE FOR PDS

ASSOCIATED ITEMS -

Pyro-Electric Cartridges -160 Nos

Note - The pyro- Cartridges are not supplied along with the equipment.

Army has to procure the same as they are Explosive in nature.

SAFETY WARNING

The voltages employed in this Equipment are sufficiently high to endanger human life.

POWER

MUST BE SWITCHED OFF before servicing the equipment

And

GREAT CARE should be taken when making internal adjustments etc.

FIRST AID IN CASE OF ELECTRIC SHOCK

FIG. 1



Switch OFF. If this is not possible, PROTECT YOURSELF with dry insulating material and pull the victim clear of the conductor. DO NOT TOUCH THE VICTIM WITH YOUR HAND until he is clear of the conductor, but DO NOT WASTE TIME.

(a) Place the victim in the supine position.

FIG. 2



2. (b) Keep the air passages clear by turning the head to one side, opening the patient's mouth and clearing it of water, saline, mucus or blood, a lot of which might have accumulated in the back of the throat. (Figure 1)

FIG 3

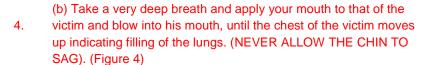


If the jaw is rigid try to force the mouth open by pressure on the gum behind the last molar tooth of the lower jaw. When the upper air passages are thus cleared, tilt the head backward and force the jaw forwards from the angles of the jaw in front of the ears. This would prevent mechanical obstructions to the upper air passages. (Figure 2 - 3)

TOLL

(a) Then hold the chin up and forward with one hand and pinch the nostrils of the victim with the other. (Figure 4)

FIG. 4





5.

When the chest has moved up, withdraw your mouth and allow the chest to sling back. REPEAT this process every three to four seconds until the victim begins to breathe again or until he is taken over by a medical attendant. This method can be continued in an ambulance during transit of the patient from the site of accident to the nearest medical centre.

HAVE SOMEONE ELSE SEND FOR A DOCTOR.
KEEP PATIENT WARM AND LOOSEN HIS CLOTHING.
DO NOT GIVE LIQUIDS UNTIL THE PATIENT IS CONSCIOUS.

Do's and Don'ts

Do's:

- Check the vehicle battery voltage before switching ON the instruments.
- Connect signal & power cables properly.
- Switch OFF the unit when it is not in use.
- Check continuity of each Pyro-Explosive.
- Operate Rotary switch carefully.
- Insert Safety link at the time of fire.
- Handle Pyro-Explosive with grate safety.
- Fit the Pyro-Explosive & Markers properly.
- Study the safety instructions carefully.
- Select only One Flag at a time.

Don'ts:

- Don't keep firing Live (Safety Link).
- Don't open the unit in ON condition.
- Don't switch ON and OFF any equipment frequently.
- Don't apply extra pressure on any switches.
- Don't connect or disconnect Signal & Power
 Cables with ON condition.

DEMOLITION OF MATERIAL TO PREVENT ENEMY USE

(a) General

The demolition procedure outlined below will be used to prevent the enemy from using or salvaging this equipment. DEMOLITION OF THE EQUIPMENT WILL BE DONE ONLY ON ORDER OF THE COMMANDER.

(b) Methods of Destruction

Use any or all of the following methods to destroy the equipment.

- i) <u>Smash</u> Smash the crystals, controls, semiconductors, coils, switches, transformers & headsets; Use sledges, hand-axes, pickaxes, hammers, crowbars or heavy tools.
- ii) <u>Cut</u> Cut the cords, headsets and wiring; use axes, hand axes or hatchets.
- iii) <u>Burn</u> Burn the cords, resistors, capacitors, coils, wiring, technical manuals; use gasoline, kerosene, oil, flame throwers or incendiary.
- iv) Bend Bend the panels, cabinet & chassis.
- v) Explosives If explosives are necessary, use fire arms, grenades or TNT.
- vi) <u>Disposal</u> Bury or scatter the destroyed parts in slit trenches, fox holes, or other holes, or throw them into streams.

CHANGE NOTICE

TITLE OF PUBLICATION CODE NO. PREVIOUS CHANGE NOTICE

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No. of Pages:

Enclosures:

Sheets:

CODES FOR INCORPORATION OF CHANGES: NOTE:

(R) By Replacement/addition of sheet(s)

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pasted in the copy of the
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