

PLASTIC HAND GRENADE ARGES 84 – P2A1

DATA

Weight of the grenade	480gm.
Body	Plastic with steel balls
No. of steel balls	5000 approx.dia2-2.3 mm.
Weight of the explosive	95 gm.of plasticised P.E.T.N.
Effective range	20 metres radius
Activation	safely lever operated b a pin with delay of 3.5 to 5.5 secs.
Length	115 mm.
Diameter	60 mm.

PACKING

Each grenade packed in a cardboard container, 12 containers in a steel box:

Size of box	33.5x26.5x14.5 cm.
Weight of box	11kg.
Colour & marking	service brown with yellow/white stencilling



SMOKE DISCHARGE/GRENADE WP P3 MK1

This is a lever operated non – bursting type grenade used for creating smoke screen with incendiary effect.

DATA

Weight	460gm
Height	150 mm
Diameter	62mm
Operation	Lever activated with delay time of 4 sec.
Body	Steel Tin

PACKING

Each grenade in tin cylinder, 20 such cylinder in a steel box:

Size of box	63x30x22 cm.
Weight of box	20kg.
Colour & marking	service brown with yellow/white stencilling



CHARGE DEMOLITION NO. 1 6 INCH BEEHIVE MK - 1

This charge is used for demolition of bunkers and similar RCC structures. The charge is detonated by detonator No. 27 with a suitable length of safety fuze, or by electric detonator No.33 or No. 8.

DATA

Weight of explosive	3.2 kg.(approx)
Charge	compo B
Total Weight	3.250 kg (approx)

PACKING

2 charges packed in a cylinder and two cylinders (4 charges) packed in a wooden box:

Size of box	51x44.5x26 cm.
Weight of box	33 kg.
Colour & marking	service brown with yellow/white stencilling



DEMOLITION 1 OZ CE PRIMER

It is used for detonation of high explosive charges and consists of pure tetryl.

DATA

Length	2.9 – 3.4
Weight	28.35gm.
Shape	Conical cylinder (single perforation)

PACKING

Each primer wrapped internally and externally with lead tree paper. Top & bottom covered with lead free and waxed paper washers to make it completely water proof. 10 primers packed in a metallic cylinder, 6 cylinders (60 primers) packed in a cardboard carton:

Size of box	37.4x15.3x18 cm.
Weight of box	8kg.
Colour & marking	service brown with yellow/white stencilling

FLARE TRIP WIRE MK 2/2

This is a safety device used for giving a signal and light to people being protected by this arrangement. A spool of wire is supplied along with the device, which activates the mechanism when any hostile intruders or trespassers trip over the wire. In return, candle of illuminating composition is initiated.

DATA

Height of flare candle	9.27 cm.
Diameter	4.86 cm.
Primer	Percussin type ABC
Illuminating composition	SR 547
Time	60 sec.
Intensity	40,000 candles
Weight of complete flare	1.84 kg.

PACKING

Each flare placed in carton is further packed in a tin box with arm link assy. And one trip wire spool with cardboard fitments. 12 flares packed in a steel box:

Size of box	66x25x24 cm.
Weight of box	34kg.
Colour & marking	service brown with yellow/white stencilling



FUZES, DETONATORS & PRIMERS

POF have extensive facilities for the manufacture of fuzes, detonators, and primers as shown below:

DATA

S.No.	Type of Fuzes	Utilization
1.	No. 6 & No.8	30mm HEI API
2.	HE-1	37 mm HE/T
3.	PAI-1A/PAI-7/MP-7 or V-9P1/A2	60mm Mortar bomb HE & SMK
4.	V 19 P A-A2	81mm Mortar bomb HE & SMK
5.	PDM 557 M	25 pdr HE
6.	PDM 557	105mm HOW HE & SMK, 155mm HOW HE & 130mm HE
7.	L 56	105mm TK HESH
8.	V 19 P	120mm Mortar bomb HE & SMK
9.	LIU 4	122mm HOW HE
10.	LIU 5	130mm Gun HE
11.	PIBD M 509 A1/A2	106mm HEAT
12.	PF-1A Proximity	105mm HE to 203mm HOW HE

DETONATORS

S.No.	Type of Detonators	Utilization
1.	Detonator M 17	Fuze PDM 557
2.	Detonator M 24	Fuze PDM 557
3.	Detonator No. 32	81mm & 120mm Mortar bomb
4.	Detonator No. 108	37mm HE/T
5.	Detonator No. 137	37mm HE/T
6.	Detonator No. 237	37mm HE/T
7.	Detonator No. 208	60mm Mortar bomb

PRIMERS

	Type of Detonators	Utilization
1.	Percussion type No. 304 K-4	122mm HOW HE
2.	Percussion type D-5	130mm Gun HE
3.	Percussion type MK2 A4	155mm HOW HE
4.	Percussion type P-6	106mm HEAT
5.	Electric type L20 A1	105mm APFSDS
6.	No. 303	60, 81 & 120mm Mortars
7.	No. 12 MK 4/LA	37mm HE/T
8.	No. P1 MK3	105mm HOW HE, Smk & Blank.
9.	NO. 330	30mm Ball & HEI



HAND GRENADE

GRENADE TARGET INDICATION

These grenades are used to generate coloured for smoke for ground – to – air and ground – ground signaling, or screening activities of small units for short periods of time.

DATA

Available in the following type:

White	P4 MK1
Green	P5 MK1
Blue	P6 MK1
Orange	P7 MK1
Red	P8 MK1
Yellow	P9 MK1
Weight	1.0 kg.
Height	127 mm.
Diameter	65mm.
Operation	lever activated with delay time of 4 sec.
Body	steel drawn tube
Emission of smoke	40 ± 10 sec.

PACKING

Each grenade packed in a cardboard container and 20 containers packed in a wooden box:

Size of box	75x34x19 cm.
Weight of box	32kg.
Colour & marking	service brown with yellow/white stencilling



CARTRIDGE SIGNAL SHOOTING PENCIL TYPE

These cartridges are meant for firing by a Shooting Pencil and are used for signaling during day or night. On firing, the star is propelled to the prescribed height and emits the specific colour of light.

DATA

Available in the following colours:

Red

Green

Illuminating

Red Green (Bio - colour)

Green Red (Bio - colour)

Burning time

Max. 5.5 sec.

Height to which ejected

70 – 84 metres

PACKING

216 cartridges packed in a wooden box:

Size of box

35.56x25.78x25.40 cm.

Weight of box

14kg.

Colour & marking

service brown with yellow/white stencilling

