Registration Kit (RK)
## Characteristics of RK Equipment

<table>
<thead>
<tr>
<th>Name of Instrument</th>
<th>Satellite Positioning Indicator-receiver</th>
<th>Laser Reconnaissance</th>
<th>Night Sight Binoculars</th>
<th>Magnetic Compass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Characteristics</td>
<td>14Z820 (&quot;Grot&quot;)</td>
<td>1D18-1 (LRD-2)</td>
<td>NB-3</td>
<td>MC-1</td>
</tr>
<tr>
<td>Mass, kg</td>
<td>2.6</td>
<td>1.6</td>
<td>1.1</td>
<td>0.05</td>
</tr>
<tr>
<td>Size</td>
<td>440x230x490</td>
<td>110x185x190</td>
<td>220x90x193</td>
<td>Ø53x20</td>
</tr>
<tr>
<td>Guaranteed Service Life</td>
<td>5 (before conservation)</td>
<td>8</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Operation Temperature, °C</td>
<td>-40…+55</td>
<td>-40…+50</td>
<td>-50…+50</td>
<td>-40…+50</td>
</tr>
<tr>
<td>Storage Temperature, °C (allowable)</td>
<td>+5…+35 (-50…+70)</td>
<td>+5…+40</td>
<td>+5…+40</td>
<td>-</td>
</tr>
<tr>
<td>Coordinates Measurement Error, m</td>
<td>Less than 30</td>
<td>Less than 35</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Speed of Detection, min</td>
<td>2.0</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Measurement Range, m</td>
<td>-</td>
<td>50…20000</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Magnification, zoom</td>
<td>-</td>
<td>-</td>
<td>4.5</td>
<td>-</td>
</tr>
<tr>
<td>Observation Range, m</td>
<td>-</td>
<td>-</td>
<td>500</td>
<td>-</td>
</tr>
</tbody>
</table>
Mine Field Fencing Kit (MFFK)

Technical Performance Data

- Construction design: Multiple use
- Mode of use: Any time of the year, 24hrs a day, any geographic location, for soils of I-IV type
- Temperature range, °C: -40…+50
- Allowable total time of presence in the field, years: 2
- Length of perimeter fencing, m: 1000
- Guaranteed storage life, years: 10
- Service team: 2
- Number of packages, pc: 3
- Weight, kg: 45
Warning Sign

MINES
МИНЫ
Non-Detonating Destruction Device (NDDD)

Function – to destroy assembled mines and other explosive devices without detonation.

Performance data:
- Size, mm:
  - height 170
  - diameter 45
- Weight, gr 350
- Weight of explosive in casing, gr 25
- Explosive type ТГ-40

1 – Combined split block
2 – Container
3 – Cumulative charge with copper liner
4 – Cumulative charge casing
5 – Perforated plug for fixes and detonator
6 – Stopper
7 – Sealing gaskets
## All-purpose Military Demining Kit MDK-1

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special drag, pcs</td>
<td>3</td>
</tr>
<tr>
<td>Launching device, pcs</td>
<td>2</td>
</tr>
<tr>
<td>Sapper drag, pcs</td>
<td>2</td>
</tr>
<tr>
<td>Probing rod, pcs</td>
<td>2</td>
</tr>
<tr>
<td>Cord SHKP-120 (L=50м.), pcs</td>
<td>2</td>
</tr>
<tr>
<td>Warming sign, pcs</td>
<td>8</td>
</tr>
<tr>
<td>Signal flag, pcs</td>
<td>10</td>
</tr>
<tr>
<td>Sapper web gear, pcs</td>
<td>2</td>
</tr>
<tr>
<td>Rolled band, pcs</td>
<td>2</td>
</tr>
<tr>
<td>Bag for protective equipment, pcs</td>
<td>16</td>
</tr>
<tr>
<td>Pipe in welded sealed box, pcs</td>
<td>10</td>
</tr>
<tr>
<td>TNT blasting cartridge, psc</td>
<td>8</td>
</tr>
<tr>
<td>Knife to open the sealed box, pcs</td>
<td>1</td>
</tr>
</tbody>
</table>

The MDK-1 is packed in 3 cases.
**All-purpose Military Demining Kit MDK-2**

Special drag, pcs | 3
Launching device, pcs | 2
Sapper drag, pcs | 2
SHKP-120 cord (L=50м.), pcs | 5
Signal flag, pcs | 10
Rolled band, pcs | 2
Fencing band “Protect” LO-75 (L=20м.), pcs | 6
Extension support, pcs | 2
Probing rod, pcs | 6
Bag with protective gear, pcs | 16
Sapper safety kit, pcs | 16
RVP-4/100 device, pcs | 1
Cable reel, pcs | 1
Flashlight, pcs | 6
Compass, pcs | 2
“Varan” knife, pcs | 6
Extended demining charge EDC-1SH, pcs | 6
Tube in a sealed box, 10 pcs per box | 2
Knife for opening sealed box, pcs | 1
TNT cartridge 200, pcs | 8
Electric detonator, pcs | 16
Protection sapper gear, pcs | 6
Helmet, pcs | 6
Web gear, pcs | 2
Warning sign, pcs | 20

MDK-2 is packed in 13 cases
Instruments used in MDK-1

- Special drag
- Launching device
- Rolled Band “Protect”
- Compass KV-1
- Extended demining charge EDC-1SH
- Non-detonating destruction device
- Extension support
- KVP-4/100

Annex 5
Equipment used in MDK-1 and MDK-2

- **“Varan” knife**
- **Rolled cable**
- **Electric Flashlight**
- **Sapper’s web gear**
- **Helmet**
- **Front protection**
- **Probing rod**
- **Warning sign**
Extended demining charge EDC-1SH

EDC is a portable device for remote clearing of a passage path in the anti-personnel mine field

Technical performance data:

- Method of delivering: by launching the leading charge
- Range for front charge, m: 50
- Length of cleared path, m: 18
- Weight of explosives per meter, gr/m: 60,3
- Total weight of explosive, kg: 1,2
- Size of charge in shroud: Ø135x460
- Weight of charge, kg: 3,2
Folded demining launching kit

Device before launch