The Advanced Portable Commando live firing system will be able to enhance skills in live firing training for commandos and other police personnel in general much more effectively in lesser time than conventional shooting training facilities. It must be able to help facilitate different kinds of combat training exercises involving live firing and should have facilities for customisation apart from pre-programmed live fire exercises.

The system will be portable, electronically operated, wireless, remote controlled and rugged to be able to withstand tropical humid climactic conditions of Kerala State.

The entire system should be portable, easy to install and dismantle, quickly possible to pack and repack.

The equipment should be chargeable with rechargeable batteries.

**Targets:**

The targets will be electronic, wireless and portable and will have the following movements like Pop Up, Slicing, swinging, rotating etc.

Each electronic target should be able to absorb 700 hits per target or more.

**Remote Control Station:**

The Control system should be remotely able to select the timing and control the movement of the targets.
The control station will collect and provide hit counts, show shooting speed, and will be able to control the timing and movement of the target.

The Control station should be easy to understand and operate and will have the option for both manual and timed operations.

Target Hit system through hit sensors with optimum hit results of live firing using Small arms systems of different calibre being generally used by the police forces in India.

The system should record with a minimum accuracy of 98%.

The system should permit Zeroing, Grouping applications in firing of Small Arms.

There should be no requirement to visit the target, repair or visually check the target.

The monitor should display the hit on the screen from which the readings can be seen.

System should able to record both single shot fire and fully automatic fire.

The remote control unit should have a minimum range of 1 KM where there is a clear line of slight and 500 Mtrs in case of undulating terrains.

The system should be able to operate both in day and night conditions with the same accuracy.

Control station should able to controls the targets individually or collectively.
The system should be able to display the battery status.

The system must have the option for Shut down automatically by using remote control.

The System should function properly in between a temperature of Zero to fifty degree celsius.

The monitor should be properly readable in sunlight.

It should have the facility to store firing data of the shooters should allow printing of the data at any time.

**Other Conditions:**

- Facilities for charging portable batteries must be given.
- Spare batteries must be provided with the wireless portable targets.
- A minimum of Three years warranty must be provided for the system from the date of installation.
- Training should be provided by the firm for Two years, apart from the initial training during the supply of the system.
- The duration of the training for each year can be fixed by the technical committee.
- The system should have minimal operational maintenance.
- The firm should provide an Annual Maintenance Contract for a period of 3 years after warranty for the system.
NOTE:

1. The firms shall provide a live demonstration using the weapons and shooters selected by the Technical Committee at the time of Technical Bid evaluation. The firms shall provide a proper training plan and maintenance plan during the time of evaluation of Technical bid itself without fail (in writing). They shall submit SLA also.

2. The equipment(s) is/are liable to be rejected by the Verification board at the time of supply if the items are only partially supplied or the system has not been fully functional as demonstrated during the Technical bid.

3. The demonstration cum evaluation will be done in the firing range of Kerala Police Academy, Thrissur before a committee comprising of:

   i. ADGP Training - Chairman
   ii. IGP, KEPA - Member
   iii. AIG, PHQ - Member
   iv. Commandant, IR Bn - Member
   v. Commandant, KAP I Bn - Member

4. The number of lanes is to be decided by the technical committee taking into consideration the utility, case of use, financial outlay. The bidder need to quote for a single lane system, double lane, triple lane and four lane separately one after the other.

5. Bidder must explain and submit back up and support for maintenance so that system does not remain idle for a long time.