

GPS/GIS BASED MINEFIELD RECORDING SYSTEM (GBMRS)

1. **Introduction.** GPS/GIS Based Minefield Recording System is required to record locations of mines which are laid manually, so as to be able to safely retrieve the mines when required to do so.
2. **Brief of the Project.** The equipment is envisaged to provide user friendly and simple hand held devices to record details of mines and minefields, laid by soldiers. The equipment should enable safe laying as well as retrieval of mines, duly catering for shifting of mines after they have been laid.
3. **Broad Qualitative Requirements.**
 - (a) Military grade specifications for ruggedness.
 - (b) Hand held devices to enable safe use by soldiers while laying or retrieving mines at night.
 - (c) Equipment should ensure that no/ minimum change is required to extant mine laying drills and procedures.
 - (d) Equipment including software should be secure to ensure no loss of data, integrity or interference occurs.
 - (e) Capable of being used in temperature range of -25° C to $+45^{\circ}$ C and upto an altitude of 15,000 feet above mean sea level.
 - (f) The system should be capable of locating mines which may have shifted after laying.
4. **Tentative Quantity.** 3680 Sets.
5. **Tentative Timelines for Development/ Production.** One year.
6. **Any Other Information.** Nil.