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Deminers, Manual Demining and Their Protective Equipment

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Training the Trainers

Selection and training of locally trained teams in affected countries requires the supply of qualified and experienced instructors. These experienced instructors will be required to have an understanding of the local culture and a technical knowledge of the mines and associated unexploded ordnance that may be found in that country. It must be understood that a good base for training of expats has been the military engineering schools. Commissioned officers seldom gain this type of training as they often become involved in the management of military programs, leaving their soldiers to deal with the clearance.

Military vs. Civilian Clearance Requirements

There is a big difference between military and civilian demining requirements, although the basic skills remain the same. The military requirement is to clear sufficient ground to permit movement of battle groups etc., and is known as breaching minefields. Casualties of an average of 15 percent from such military action are accepted. Protective equipment is normally worn by the military while carrying out such tasks.

Civilian requirements are quite different from those of the military. Cleared ground needs to be safe and accessible for production. To achieve "safe ground," it is necessary to search 100 percent of the mined area. Quality assurance needs to be applied to ensure that the clearance has been carried out effectively.

Protective equipment in the form of body armor and protective headgear should be issued to each deminer. In some countries, the lack of experience of some of the instructors results in them permitting deminers to crouch down to peer at mines. This practice should be terminated. The correct position is prone and with the arms extended. Although not always comfortable, mats can be provided for comfort. Laying mats on the ground can also protect the deminers from sharp stubble.

Interpreters, Selection and Training

Selection of interpreters for ex-pat staff employed as instructors requires interpreters to have a good working knowledge of the instructor's language. Time needs to be spent with interpreters to ensure that any instruction that may be given is fully understood. This needs to be carried out prior to training and selection of the locals. Experience gained in many countries provides a skill base. Combined with the correct selection process, male and female deminers will develop their skills at the hands of qualified and experienced instructors. Time needs to be set aside for testing and practice during training. When necessary, extra training during operations must be given when techniques have to be adapted to fit the requirements, of safety. Standard operating procedures and safety orders need to be fully translated, taught and tested.

Increasing the Skill Base

Opportunities should be provided to increase the qualified deminer's capacity and skills base. During operational deployment, each and every team member should be given the opportunity, under supervised conditions, to lead the selected team. Each team member is assessed on his abilities by a qualified specialist and awarded merit points. A management committee carries out a selection process to determine which personnel should be given further training.

Courses of training may include:
- Supervisors Course
- Team Managers Course
- Leadership Course
- Medical Upgrade Course

The aim of these courses is to provide, given time and practice, an indigenous capacity in the selected country.

Manual demining can be routine, methodical and requires extreme concentration. From experience and comparison, female deminers have produced more daily output than their male counterparts and are suited to the conditions required. All deminers and training programs can benefit from an organized methodology for training and deployment in the field, which should be combined with protective gear that is adapted to the deminers needs.

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