94. UNDER WATER COMMUNICATION SET

SPECIFICATION WIRELESS UNDER WATER COMMUNICATION SYSTEM	**Picture of Equipment**
Essential Parameters 1. **Introduction:** The equipment should have a carrying case for ease of handling and should be rugged and reliable for continuous use for more than 2 hours and meet the specifications mentioned in the succeeding paragraphs. 2. **Roll:** Wireless communication during diving operations between divers and surface team. 3. **General:** The apparatus should be rugged, lightweight suitable for carrying by single person. The set should comprise of following:- a) Should allow clear voice communication between the surface supervisors and at least 4 divers as well as between the divers. b) The Surface panel should have volume control and squelch facility. c) Communication should be of wireless with a minimum range of 400 mtrs. d) Should be battery powered with an endurance of at least 05 hours before recharge is needed. e) Surface unit should have a head set and microphone. It should also held mike for supervisor. f) The surface unit should have fully portable. g) The Equipment should work up to depth of 10 mtrs in water 4. **Supervisor Head Set and Panel:** The supervisor headset should permit hands free use of the headset on the diving site and permit free movement in a radius of at least 01 meter on the diving site. 5. **Scope of Supply**: The composition of each WUCS are as follows:- a) Surface Headset and Microphone -01 b) Portable Surface Unit with Transducer and Cable-01 c) Diver Receiver with Microphone-04	

6. Technical Specification:

(a)	Weight of Diver Unit	Less than 1 Kg + 10%
(b)	Diver Unit pressure compensated	10 mtrs+ 10%
(c)	Weight of Surface panel	6 Kgs+ 10 %

7. **Documentation** - Operational and technical manual should be supplied with the equipment.