

Sports and Recreational Equipment and Supplies and Accessories UNSPSC : 49000000

Watersports Equipment UNSPSC:49140000

Scuba and Snorkeling Gear UNSPSC: 49141500

under water communication set (Diving Instruments or Accessories) UNSPSC: 49141504-18

S No	Parameters	Value 1	Value 2	Value 3	Validation	Unit	Remarks	
GENERIC								
1	Scope	Scope will include One Diver unit micro phone and speaker phone with attachment to the diving set full face mask + One Communication cable of 50 meters length with water proof connectors + One Surface unit with speaker, amplifiers and head phone with microphone, built-in rechargeable battery for unit with Charger & Carrying case and Manual. Each cable should have its carry bag.					G	
2	HARD WIRE UNDER WATER COMMUNICATION SYSTEM Function	HARD WIRE UNDER WATER COMMUNICATION SYSTEM to establish and maintain voice communication between Diver Under Water and the Attendant / supervisor of the Diver on the surface during diving operations						M
Constructional & Dimensional								
1	Under Water Communication System (Hard Wire Type)	Equipment should be rugged ,light weight suitable for carrying single person and reliable for hard wire communication during diving operations between diver and surface team.						M
2	Operating Time for Under Water Communication System (Hard Wire Type)	suitable to continuous use for more than 5 hours						M
3	Allow clear voice communication between surface supervisor and minimum 4 diver should be able to talk among them selves	yes						M
4	Volume control and Squelch facility in surface panel	yes						M
5	Wire less communication	wireless communication with a minimum range of 400 meter						M
6	Power supply	Battery operated with an endurance of 5 hours before recharge is needed						M
7	Fully portable Surface unit should have a head set microphone and mike for supervisor	yes						M
8	Equipment range in water	Equipment should work upto the range of 30 meter under water						M
9	weight of diver unit for Under Water Communication Set (+0,-10%)	between 900 gm to 1000 gram						M
10	Diver unit pressure compensation	10 meter +10%						M
11	weight of surface pannel	6 kg +10%						M
12	Supervisor head Set	Should permit hands free of and panel the head set on the diving site and permit free movement in a radius of at least 1 meter on the diving site						M

13	Surface Headset and Microphones	1 no each	M
14	Portable Surface unit with Transducer and Cable	1 no	M
15	Diver Receiver and Microphones	4 nos	M
16	carrying case Material	made of light weight High Strength Polypropylene copolymer Resin	M
17	IP Rating for water and Dust	IP 67	M
18	Corrosion and impact Resistant case with quick closing and release latch system	yes	M
19	Cushion comfort Carrying handle for easy handling	yes	M
20	Box should be filled with cubed foam / customized foam for cushion and with locking	yes	M
21	The case should be automatic ambient pressure equalization valve latches, handles and wheels should be field replaceable	yes	M
22	Operational and technical Manual for communication set	yes	M

CERTIFICATION

1	Availability of Type Test Report to prove conformity of parameters to the specification from any ILAC/NABL accredited/Central Govt Lab	Yes						M
2	Test Report Number							M
3	Test Report Date							M
4	Name of the Lab where test Conducted							M
2	Any other certification for complete equipment from EN/UL/FM/CE							
6	Test Reports to be furnished to the buyer on demand	Yes						M
7	Warranty Period	2	3		5		year	G
8	Service Life warranty at consignee end	5	10				year	G