

TECHNICAL SPECIFICATION – VHF WALKIE TALKIE SET

1.	Equipment	:	Synthesized VHF Walkie Talkie set (Marine). Each set complete with requisite battery, charger, antenna, one spare battery, spare antenna and other essential accessories.
2.	Purpose	:	For short distance point to point communication as well as communication via repeater station.
3.	Manufacturer/Producer	:	To be mentioned in the offer.
4.	Country of origin and manufacturer	:	Japan/Germany/USA/UK/SouthAfrica/SouthKorea/Australia/Canada/ EU Countries (To be mentioned).
5.	Year of manufacture	:	Latest (not before 2017). Documentary evidence to be provided in this respect
6.	Quantity	:	60 (Sixty) in no
7.	Name and address of manufacture	:	To be mentioned.
8.	<u>Specification</u>		
a.	Minimum frequency coverage	:	146-174 MHz
b.	Channel capacity/ Number of memory channels	:	Minimum 16
c.	Channel spacing	:	12.5 KHz/25 KHz
d.	Channel display	:	Digital display.
e.	Voice encryption	:	Built in
f.	Frequency stability	:	Better than ± 0.5 PPM
g.	Frequency deviation	:	± 2.5 KHz or better.
h.	RF output	:	5 Watt
j.	Communication range	:	Line communication without repeater 4 Km.
k.	Receiver sensitivity (at 12 dB SINAD)	:	0.25 μ V or lesser.
l.	Audio distortion	:	Less than 10%
m.	MIL-STD	:	810
n.	Battery	:	Lithium-ion with at least 8 hours talks time (re-chargeable battery). One in no spare battery for each set.
p.	Capacity (In mAh)	:	At least 1600 mAh or better
q.	Battery Charger	:	One in no single charger for each set
r.	Antenna	:	Details to be mentioned in the offer
s.	Programming kit with data cable, USB connector and software	:	01 in no (Programming software complied with Windows XP or Windows 7 or latest)

9. All memory channels are to be programmed as per user's requirement after contract.

10. Bidders will be required to provide demonstration of offered equipment within 4 weeks from the closing date of tender. Acceptance will be subject to satisfactory demonstration.
11. Spare support. Supplier is to give guarantee to supply spares for 05(five) years at a reasonable price (not beyond the normal inflation/escalation rate)
12. Brochure/Catalogue. Original brochure/catalogue to be provided with the offer.
13. All essential accessories to be supplied free of cost. A list of essential accessories to be provided with the offer.
14. Optional spares. A list of spares modules/components as recommended by the manufacture (showing item wise price and recommended quantity) is to be provided with the offer but price should not be included with the total price (Bid price).
15. Warranty. Minimum 24 months from the date of acceptance.
16. Manuals. One maintenance manual with parts catalogue and one operator's manual are to be provided with each set.