

SGC-C48 -2011**Complete Digital UHF Walk Talk Radio****A . Quantities :-**

Item	Descriptions	Qty
1.	Complete Digital UHF Walk Talk Radio (With battery) , With Head set (One set with each device) , and microphone set (one set with each device) , & with other accessories . * Note: long of antenna at least 20 cm .	60
2.	Station Digital Device With all accessories (cables , antenna , power supply , ups(APC) 1500 w at least , etc)	4
3.	Bank battery charger I/P : 200 -240-VAC -50HZ , eight fields Output : suitable	4
4.	Desktop Battery Charger I /P : 200 -240-VAC -50HZ , Output : suitable	60
5.	Battery as spare	25
6.	Desktop Battery Charger same type above as spare	25
7.	Laptop , processor 3.6 GHZ core i5 at least , ram 8 GB , Hard 500 GB at least , DVD drive W/R , with original copy of OS (windos7 or other) , original copy of antivirus .	1
8.	Special tool includes all types and sizes of screw drivers , testers EVO meter , clamp meter , tester frequency channel ect .	1
9.	All accessories and programs for maintenance and programming with special software and cables	1

B. specification and condition should be provided :-

- 1) All device operate at UHF Band .
- 2) Programmable for multi channel no less than 10 channel , each channel has capability for programming with two frequencies (TX freq . & RX freq) and bandwidth for each frequency at one channel is (12.5 KHz)
- 3) All device should be programmed in frequencies as table (1) shown below .
- 4) The frequencies for each channel must have any value within the range of the band above even the fractions numbers like (438.5625)

- MHz by programming this channel by computer .
- 5) Coverage communication area no less than 10 Km (downtown) & more in open area , and the devices able to programmed to work on certain coverage area from 1Km to 10 Km .
 - 6) The batteries are rechargeable Ni –NH or Ni- Cd With suitable O/P DC voltage , at full charging can work no less than 15 Hours .
 - 7) All devices can work with multi mode like press to talk (PTT) Mode and hands free mode , group call , single call , emergency call , auto battery saving programmable by software , and other professional features .
 - 8) All devices should be designed for working in hazardous (oil and gas industries) , NGL & LPG plant , should be certified as intrinsically safe for their operation (class I / Division 1 & class II / Division 1) .
 - 9) operating temperature ((0 - 60 C)) . or better & relative humidity 90 % or better .
 - 10) All devices can work on high noisy plant and give high sounder alarm when calls are coming .
 - 11) Dust , rain , water , weather and shock proof .
 - 12) All documentations and catalogue required .
 - 13) Guarantee for six months after successful programming and operation for all devices includes the spares .
 - 14) One week (of non-travel days) training course outside of Iraq on (programming , setup & maintenance) for ((2 persons)) before supplying of the devices in the manufactures country .
 - 15) Complete supplying , programming and final operation with testing (not more 11 month) .
 - 16) Origin : USA , JAPAN , UK .

Table (1)

No . of channel	Tx (MHz)	Bandwidth(KHz)
CH .1	437.85	12.5
CH .2	438.1	12.5
CH .3	438.0125	12.5
CH .4	438.5625	12.5
CH .5	443.9	12.5
CH .6	443.9	12.5
CH .7	443.7	12.5
CH .8	443.9	12.5
CH .9	446.1	12.5
CH .10	447	12.5