



Bid Notice Abstract

Request for Proposal (RFP)

Reference Number 10831162
Procuring Entity CITY OF LAOAG, ILOCOS NORTE
Title Purchase of handheld radios, mobile base radios and regulated power supply for use of DPS/Traffic Aide
Area of Delivery Ilocos Norte

Solicitation Number:	2024-10D	Status	Active
Trade Agreement:	Implementing Rules and Regulations		
Procurement Mode:	Negotiated Procurement - Small Value Procurement (Sec. 53.9)	Associated Components	1
Classification:	Goods	Bid Supplements	0
Category:	Communication Equipment & Parts and Accessories		
Approved Budget for the Contract:	PHP 559,000.00	Document Request List	2
Delivery Period:	20 Day/s		
Client Agency:		Date Published	08/05/2024
Contact Person:	Daphne Pasion Torres Administrative Aide III Laoag City Hall Laoag City Ilocos Norte Philippines 2900 63-77-7720001 Ext.207 daphne2res@gmail.com	Last Updated / Time	08/05/2024 00:00 AM
		Closing Date / Time	15/05/2024 13:30 PM

Description

QTY UNIT DESCRIPTION

45 unit Handheld Radio
Specifications:
Frequency Range: VHF 136-174MHz, UHF 400-470MHz
Power Output: 2Watts/5Watts/8Watts/10Watts
Memory Channel: 199 Channels
Channel Spacing: 12.5KHz or 25Khz
Operation Voltage: 8.4v
Frequency Stability: 2.5ppm
Operation Temperature: -20c +50c
Antenna Impedance: 50 Ohm
Dimensions: 160mmx65mmx46mm
Weight: 368g
INCLUSIONS:
Unit
Manual
Charger
Antenna
Adaptor

Battery pack li-polymer (3000mAh)
Belt clip
Hand Strap

1 pc Regulated Power Supply

Specifications:

Input: 220VAC 60Hz

Output: 13.8Vac

Ripple: Less than 5 MV Peak to peak

With over voltage protection

DC Regulated Power Supply is an equipment that converts AC voltage into stable DC voltage to a circuit or device.

*12 month service warranty

30 AMPERES

1 unit Mobile Base Radio

Specifications:

Frequency: VHF/UHF/350-400MHz, 136-174MHz/400-470MHz/350-390MHz

Channel Capacity: 200

PLL Channel Spacing: 12.5/20/25 KHz

Operating Voltage: DC 13.8V \pm 15%(11.7V~15.8V)

TRANSMITTER

Modulation Type: 60W/10W/5W

Spurious Emission: \leq 65dB

Modulation Distortion: \leq 5%(300-3000Hz)

FM Noise: \leq - 42dB(W) / \leq -38dB(N)

RECEIVER

Circuit Type: Double-Conversion Superheterodyna

Intermodulation: \geq 70dB

Sensitivity: (12dB SINAD) 0.2uV(W) / 0.25uV(N)

IFs: 49.950MHz & 450KHz

Spurious Rejection: \geq 65dB

Image Rejection: \geq 70dB

FM Ham and Noise: \leq -45dB(W) / \leq -40dB(N)

Modulation Type: 16KOF3E / 11KOF3E

Operating Bandwidth: \leq \pm 7KHz / \leq \pm 5KHz

AF Output @ 4 Ohms: \geq 2W(8 Ω ,5% Distortion)

Audio Distortion: 5% \leq

2 unit Mobile Base Radio

SPECIFICATIONS:

Frequency Coverage: TX: 144-148 RX: 136-174

Number of Channels: 207 channels (including 6 scan edges, 1call)

Type of emission: F2D, F3E (FM)

Power supply requirement: 13.8 V DC \pm 15%

Current drain: 11 A 0.4 A 1.5 A

Antenna impedance: 50 Ω (SO-239)

Operating temperature range: -10 $^{\circ}$ C to + 50 $^{\circ}$ C; 14 F to +140 F

Dimensions: 140x40x118mm; 5.5x1.6x4.6 in

Weight (approx): 1.1 kg; 2.4 lb

TRANSMITTER:

Output power: (at 13.8 V DC): 65W, 25W, 10W, 5W

Max. frequency deviation: W \pm 5.0kHz N \pm 2.5kHz

Spurious emissions: Less than -60 dBc

Frequency stability: \pm 3 ppm

Microphone impedance: 600 Ω (8-pin modular)

RECEIVER:

Intermediate frequencies: 46.35 MHz/450 kHz

Sensitivity at 12dB SINAD: Less than 0.18 μ V

Adjacent channel selectivity: W: More than 6 kHz (at 6dB) Less than 14 kHz (at 60dB) N: More than 3 kHz (at 6dB)

Less than 9 kHz (at 55dB)

Spurious response rejection: More than 60 dB

Audio output power: 4.5 W typ. (10% dist. 4 Ω load)

External speaker connector: 2-conductor 3.5(d)mm (1/8")/4 Ω

ACCESSORIES:

Remote control Mic, HM-133V

Mounting bracket kit

Microphone hanger

DC power cable

Spare fuses

2 units PO 150 Mobile Antenna
 2 units Magnetic Mount
 *FREE INSTALLATION

4 unit Handheld Radio

SPECIFICATIONS:

Frequency range: TX: 144-148 MHz RX: 136-174 MHz
 Type of emissions: F2D, F3E (FM,FM-N)
 Number of channels: 207 channels (200 memory channels, 1)
 Antenna impedance: 50Ω
 Power supply requirement: 7.5V DC
 Operating temperature range: -20 °C to +60 °C, -4 F to +140 F
 Frequency stability: ±2.5ppm (-20 °C to +60 °C, -4 F
 Current drain: TX (EX Hi/Hi/Mid?Low) 1.6/1.4/1.0/0.5 A typical RX (Max. audio) 450 mA typ. (INT SP), 190 mA typ. (EXT SP, Single end) 450 mA typ. (EXT SP, BTL)
 Dimensions(WxHxD) 58.6x112x30.5 mm,2.3x4.4x1.2 in (with BP-298)
 Weight (Approximate) 300g, 103.6 oz (with BP-298, FA-B57V)

TRANSMITTER:

Output: (EX hi/Hi/Mid/Low) 7.0/5.5/2.5/0.5 W
 Maximum frequency deviation ±5.0 kHz/±2.5 kHz (Wide/Narrow)
 Spurious emissions: Less than -60 dB
 External microphone connecto: 3-conductor 2.5 (d) mm (1/10")/2.2kΩ

RECEIVER:

Sensitivity: -124 dBm typical
 Squelch sensitivity: -126 dBm typical
 Selectivity(Wide/Narrow): 75 dB typical/70 dB typical
 Intermodulation: 65 dB typical
 Audio output power: Internal SP: 1500 mW typical(w/ 8Ω load) External SP: 450 mW typical (BTL, HM-222HLW)
 External speaker connector: 3-conductor 3.5(d)mm (1/8")/8Ω

Ingress Protection Stanmdard

Dust and Water: IP54 (Dust-protection, water resistance)

ACCESSORIES:

BP-298/BP-264, battery pack
 BC-240, Desktop charger
 BC-242, AC adapter
 MB-124, belt clip
 Antenna

Line Items

Item No.	Product/Service Name	Description	Quantity	UOM	Budget (PHP)
1	Communication Equipment	for use of DPS/Traffic Aide	1	Lot	559,000.00

Created by Esmeralda Bareng Antonio

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