

SPECIFICATION PORT OF EAST LONDON

SPECIFICATIONS FOR THE SUPPLY, CONFIGURATION OF PUSH TO TALK RADIOS DEVICES HARDWARE AND SOFTWARE CONFIGURATION FOR TRANSNET SOC LTD (REG.1990/000900/30) TRADING THROUGH ITS OPERATING DIVISION TRANSNET NATIONAL PORTS AUTHORITY (HEREINAFTER REFERRED TO AS "TNPA") AT THE PORT OF EAST LONDON.

1 SCOPE OF REQUIREMENTS AND GENERIC CONDITIONS OF CONTRACT

- 1.1** TNPA requires a competent service provider that will be responsible for the supply and configure of push to talk radio devices hardware and software configurations as required to enable instant voice communication to all radios on the network.
- 1.2** Push to Talk radios should utilizes national cell phone networks for communication. Like two-way radios, broadcasts can be made to everyone on the network, with Push to Talk radios users must be able to communicate one-on-one, one to many or in a Broadcast Group.
- 1.3** The Push to Talk radios devices must have the following features but not limited to the below.
- <0.5 sec call setup
 - <1 sec for large group call
 - Advanced call encryption
 - Multi-Channel Capacity
 - 1% per hour battery usage
 - 7Kbits per PTT push
 - Instant communication over Wi-Fi, Lan, GPRS, 2G, 3G, LTE
 - Unlimited Scalability
 - Multiple user privilege levels
 - Broadcast to all group members
 - Talk privately on a one-to-one basis
 - Secure communication
 - Unlimited coverage
 - Voice recording
- 1.4** The following are the technical specification for a Push to Talk device.

Network	2G/3G/4G Network
Operating System	Android 10 GO
CPU	MTK6739 Quad-core, 1.28GHz
Battery	3000 mAh
Screen	3.0" 480*854 display
Extended Memory	Micro SD / Micro SDXC up to 128 GB
Memory	1GB RAM 8GB ROM
Cellular bands	FDD-LTE: B1/2/3/4/5/7/8/20/28 TDD-LTE: B38/40/41 WCDMA: B1/2/4/5/8 GSM: B2/3/5/8
WiFi	Support 802.11 a/b/g/n, 2.4GHz & 5GHz
Bluetooth	4.2 BLE

More Features	GPS, A-GPS, GLONASS, Amplified Speaker, SOS Button,
Camera	2MP
NFC	Optional
Warranty	12 Months

1.5 TNPA requires a competent service provider to supply and configure a central control unit or software for the monitoring of the Push to Talk radios. The central control unit or Dispatcher is a multi-session dispatch console that serves as a command-and-control center for the management of mobile Push to Talk Radios. It must provide controller with a wide-ranging functionality that enables individual and group communications, emergency (SOS), assistance, location monitoring. The central control unit or Dispatcher must be able to communicate to all Push to Talk radios and monitor the same with the Location and Panic button functions.

1.6 The successful service provider will supply, and configure the following equipment.

- Eight (8) Push to Radio devices.
- One (1) central control unit or Dispatcher console.

1.7 LOCATION OF SITE AND ACCESS

- a) The Project is located at the Port of East London, East London, Eastern Cape, South Africa.
- b) A non-compulsory site visit can be arranged by the TNPA Procurement Department. The following compulsory personal protective equipment (PPE) is required at the site visit:
 - Reflective vest
 - Safety shoes

1.8 WORKING HOURS

- a) The working hours shall be from 8:00 to 16:00, Monday to Friday.
- b) The service provider must not vary the working hours without a written instruction from TNPA Security Department.

1.9 STAND DOWN

- a) TNPA's Security Department representative may, by notice to the service provider or operator, stand down the plant or any part of the plant for the duration of as determined by the TNPA Security Department representative, to allow for maintenance, servicing, or repairs. TNPA will not be financially liable for any period of plant stand-down.

1.10 DAY WORKS SHEET

- a) The Service provider must submit to the TNPA Security Department representative for verification, a day work sheet on the Service provider's stationary which show for the day the actual hours of work (including any hours of overtime), hours of standby time, hours of stand down of plant, and any transport charges.
- b) All day works sheets shall be signed off by a TNPA Security Department representative and submitted together.

1.11 PAYMENTS

- a) The Service provider must invoice TNPA Security Department in a form approved by TNPA representative (quoting the purchase order number), for all payments under the contract after completion of works.
- b) Invoices to include all day work sheets approved by the TNPA representative.
- c) Claims will not be accepted for items and quantities that do not have a work sheet signed off by a TNPA representative.
- d) Payments will be made by TNPA within 30 days and at the end of the month from receipt of the service provider`s invoice, provided that the content of the invoice has been certified as correct by the TNPA representative and nothing in the invoice is in dispute.

1.12 TERMINATION OF CONTRACT

TNPA will endeavor to give notice of a likely termination date for the period the contract.

Either party may terminate the contract by providing the other with 1 (one) week notice.

Despite anything in the contract to the contrary, TNPA may, by providing a written notice to the Service provider, terminate the contract immediately if the Service provider:

- a) Suffers an insolvency event
- b) Refuse to comply with any reasonable instruction or direction of the TNPA representative.
- c) Is in breach of this contract and has failed to rectify the breach following a written request to do so by TNPA.

1.13 INDEMNITY AND INJURY MANAGEMENT

- a) The Service provider and any persons from the Service provider working on site must ensure that they sign on the indemnity form before entering the site.

1.14 COMPLIANCE

- a) The Service provider must comply with all legislation requirements, including obtain all necessary permits, licenses and approvals and provide evidence of compliance to the TNPA or the TNPA's representative on request.
- b) The Service provider is required to submit a health and safety file for approval by TNPA Port of East Londo SHEQ department.

1.15 PRICING INSTRUCTIONS

- a) Pricing assumptions mean the criteria as set out below, read together with all parts of this specifications document, which it will be assumed in the contract that the service provider has taken into account when developing their rates and prices.

- b) The prices and rates to be inserted in the pricing schedule are to be the full inclusive prices to be paid by the employer for the work described under the several items. Such prices and rates shall cover all costs and expenses that may be required in and for the execution of the work described, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the documents on which the tender is based, as well as overhead charges and profit.
- c) A price or rate is to be entered against each item in the pricing schedule, whether the quantities are stated or not. An item against which no price is entered is deemed to be covered by the other prices or rates in the pricing schedule.

PRICING SCHEDULE:

No	Item	Quantity	Rate	Total Amount
1	Push to Radio devices.	8		
2	Central control unit or Dispatcher console.	1		
	Total Cost Price (VAT Excl.)			
	Total Cost Price (VAT Incl.)			