
PORT OF PORT ELIZABETH: SPECIFICATION FOR THE SUPPLY AND INSTALLATION OF AIR CONDITIONING UNITS AT TNPA PORT OF PORT ELIZABETH

For:	TNPA Port of Port Elizabeth
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Revision Number:	003
Revision Date:	2021-04-26
Print Date:	2025-08-18

1. INVITATION TO SUBMIT QUOTATION

- 1.1. Service Providers are hereby invited to tender for the supply and delivery of 30 Air conditioning units at TNPA Port of Port Elizabeth.
- 1.2. Service providers shall have a minimum of CIDB grading of 2ME or higher to qualify to bid.
- 1.3. Service providers will be required to attend a compulsory site briefing to be held at the Port of Port Elizabeth
- 1.4. Service providers are required to submit tenders for the following brands or equivalent brands that offer a comparable quality and longevity guarantee:
 - Mitsubishi electric
 - Samsung
 - LG electric
 - Phillips
 - Sony
 - Daikin
 - Panasonic
- 1.5. The lead technician performing the installation and commissioning must be a trade-tested Refrigeration and Air Conditioning Mechanic and proof must be submitted

2. SPECIFICATION AND SCOPE OF WORKS

- 2.1. The scope of works pertaining to the removal of the existing old air conditioners, supply and delivery of air-conditioning units shall comprise of supply, delivery and installation in the locations of the sizes specified in the Table below.
- 2.2. All the removed air conditioning units shall be disposed of within the Port at the area designated by the project manager and shall not be removed from the port's boundary.
- 2.3. All the air-conditioning units to be supplied and installed shall be coated with corrosion protection coating suitable for marine environments.
- 2.4. Only the copper pipes to be used for the reticulation of the gas lines

Area	Office	Unit Type
<i>Civil Depot</i>	<i>GYM Area</i>	<i>Split -type: 18 000 BTU</i>
	<i>Mechanical Supervisor</i>	<i>Split -type: 12 000 BTU</i>
	<i>CET Office</i>	<i>Split -type: 12 000 BTU</i>
	<i>Electrical Supervisor Office</i>	<i>Split -type: 12 000 BTU</i>
	<i>Diving Supervisor Office</i>	<i>Split -type: 12 000 BTU</i>
	<i>Civil Technical Officer Office</i>	<i>Split -type: 12 000 BTU</i>
<i>Procurement Office</i>	<i>Boardroom</i>	<i>Split -type: 12 000 BTU</i>
	<i>Buyer's office</i>	<i>Cassette type:12 000 BTU</i>
	<i>New Buyers Office</i>	<i>Split -type: 32 000 BTU</i>
<i>Slipway</i>	<i>Desmond office Kitchen</i>	<i>Split -type: 12 000 BTU</i>
	<i>Desmond Office</i>	<i>Split -type: 12 000 BTU</i>
	<i>Desmond Server Room</i>	<i>Split -type: 12 000 BTU</i>
<i>Fire station</i>	<i>Boardroom</i>	<i>Cassette type:12 000 BTU</i>
	<i>Boardroom</i>	<i>Cassette type:12 000 BTU</i>
	<i>Female Rest Room</i>	<i>Split -type: 9 000 BTU</i>
	<i>Male Rest Room</i>	<i>Split -type: 12 000 BTU</i>
	<i>Fire Office</i>	<i>Split -type: 9 000 BTU</i>
<i>Shed 12</i>	<i>Server room</i>	<i>Split -type: 12 000 BTU</i>
<i>Admin Building</i>	<i>Ground floor (Siya's off)</i>	<i>Split -type: 9 000 BTU</i>
	<i>4th Floor Captain's office</i>	<i>Split -type: 9 000 BTU</i>
	<i>BLW.Ground Floor ops center</i>	<i>Split -type: 12 000 BTU</i>
	<i>Ground floor (Siya's off)</i>	<i>Split -type: 9 000 BTU</i>
<i>Marine Building</i>	<i>Reception Area</i>	<i>Split -type: 9000BTU</i>
	<i>Computer room</i>	<i>Split -type: 9000 BTU</i>
	<i>Marine house fleet manager</i>	<i>Split -type: 9000 BTU</i>
	<i>Ladies sleeping quarters</i>	<i>Split -type: 9000 BTU</i>
	<i>Technical Managers office</i>	<i>Split -type: 12 000 BTU</i>
	<i>Berthing Gymnasium room no. 1</i>	<i>Split -type: 12 000 BTU</i>
	<i>Berthing Gymnasium room no. 2</i>	<i>Split -type: 12 000 BTU</i>
	<i>Berthing Masters Office</i>	<i>Split -type: 12 000 BTU</i>
<i>Clinic</i>	<i>Main reception area</i>	<i>Split -type: 9000BTU</i>

2.1. DEFECTS & GUARANTEE OF THE WORKS

- 2.1.1. A 1-year workmanship warranty Period shall apply to all the air-conditioning units.
- 2.1.2. Minimum of 5-year warranty on the air conditioning unit.

2.2. LOCATION OF THE SITE AND ACCESS

- 2.2.1. Access to the site can be gained via Fleming Road entrance at TNPA civil department building port of port Elizabeth.

2.3. CONTRACTORS' STAFF AND LABOURERS TO BE USED ON SITE:

- 2.3.1. The Contractors' Staff and Labourers to be used on site must:
 - a) Be inducted by the TNPA SHE Department before working on site and in Port of Port Elizabeth.

- b) Have and use all safety and personal protective equipment (PPE) necessary for the task to be performed on site and in the Port.
- c) Be certified, skilled and competent to conduct their duties (competence certificates shall be provided as per the Port of Port Elizabeth SHE Requirements and will be presented to the TNPA Supervisor upon request for such documentation).
- d) Conform to the acceptable standards of behavior and dress appropriately.

2.4. COMPLIANCE

2.4.1. The Contractor must comply and ensure that the staff complies with the Occupational Health and Safety Act, (Act 85 of 1993) and all applicable legislation and Regulations, equal opportunity legislation, the National Road Traffic Act, (Act 93 of 1996) and all applicable legislation and Regulations, the National Environment Management Act, (Act 108 of 1998) and all applicable legislation and Regulations, motor vehicle acts (third party insurance), transport acts, industrial agreements, registered workplace agreements of employer-employee agreements, the Safety, Health and Environment (SHE) requirements and all lawful direction of the TNPA Port of Port Elizabeth.

3. BILL OF QUANTITIES

- Rates below include: All plant, labour, material, consumables, equipment and machinery to complete works as per specification (see item 2 above).
- Removal and transportation of old units to identified laydown area within the port

ITEM NO.	DESCRIPTION	Unit	QTY	Rate	Total Amount
1.	Preliminary and General				
1.1.	Safety file	sum	1		
1.2.	Removal of existing Air conditioning units	No	28		
2.	Supply and Installation				
2.1	Brand Name:				
	Supply, deliver and install 9 000 BTU a/c unit, split type, coated with anticorrosive.	No	9		
2.2	Brand Name:				
	Supply, deliver and install 12 000 BTU a/c unit, split type,	No	17		

	coated with anticorrosive.				
2.3	Brand Name:				
	Supply, deliver and install 18 000 BTU a/c unit, split type, coated with anticorrosive.	No	1		
2.4	Brand Name:				
	Supply, deliver and install 32 000 BTU a/c unit, split type, coated with anticorrosive.	No	1		
2.5	Brand Name:				
	Supply, deliver and install 12 000 BTU a/c unit, cassette type, coated with anticorrosive.	No	2		
	Subtotal				
	Add 15% VAT				
	TOTAL				

4. SIGN OFF AND RECOMMENDATION OF PROJECT SPECIFICATIONS