

ANNEXTURE A

SCHEDULE OF INFORMATION

1 SCHEDULE OF RATES

All schedules, which accompany the tender notice form an integral part of it and shall be duly completed in every detail; failing which, the tender in question may be rendered ineligible for consideration.

Under no circumstances will the following statements be accepted as answers:

- "See attached pamphlets"
- "Refer to catalogue"
- "Data to follow", etc.
- "To be advised", etc.

Whenever an alternative, or equal make or type of equipment is offered at the tendering stage, the Engineer shall on acceptance of the tender inform the Contractor in writing as to the make and/or type if equipment accepted.

Note: The use of the words "or equal" is discouraged and could lead to the disqualification of the tender.

The Contractor shall complete in this schedule the required information of proposed suppliers of equipment and materials. The selection of equipment shall be reviewed by the Engineer, only equipment meeting the specified standards shall be approved. Equipment indicated in the schedules shall comply in all respect with the subcontract documents. If it appears that the offered equipment does not comply, then the Contractor shall be responsible for replacing of such equipment at his own cost.

Final approval of equipment and materials will be subject to full submission of required information at equipment submission stage to check conformance with the performance specification and design concept.

Omission or ambiguity in the data submitted may invalidate this tender.

The following information is required to enable the Engineer to determine the costs of variations.

○ **MATERIALS / EQUIPMENT**

The rates shall be calculated on the following basis:

- Net costs of equipment/materials supplied, hoisted, rigged and installed on site.
- Including profit, overheads, financing, insurance and guarantee costs.
- Including engineering, management and quality control.
- Excluding Value Added Tax and Builder's Discount.

○ LABOUR

Rate per hour including travelling time and travelling costs. The rates do include:

- profit, overheads finance, insurance and guarantee costs
- engineering, management and quality control.

They exclude Value Added Tax only.

Description	Labourer	Fitter	Supervisor
Normal Time			
Evening Time (During Week)			
Saturday			
Sunday			
Public Holiday			

○ MATERIALS

The mark up on proven costs of material must include all costs involved:

- delivery on site, hoisting, rigging.
- profit, overheads, financing, insurance and guarantee costs
- engineering, management and quality control.

The mark up excludes Value Added Tax only.

The mark up rate is %.

○ CONTRACTORS

The mark up on proven costs of material must include all costs involved:

- delivery on site, hoisting, rigging.
- profit, overheads, financing, insurance and guarantee costs
- engineering, management and quality control.

The mark up excludes Value Added Tax only.

The mark up rate is %.

- **SCHEDULE OF INFORMATION OF COMPONENTS AND EQUIPMENT**

The Contractor shall complete in this schedule the required information of proposed suppliers of equipment and materials. The selection of equipment will be reviewed by the Engineer, only equipment meeting the specified standards will be approved for this contract. Equipment indicated in the schedules shall comply in all respect with the subcontract documents. If it appears that the offered equipment does not comply, then the Contractor shall be responsible for replacing of such equipment at his own cost.

Final approval of equipment and materials will be subject to full submission of required information at equipment submission stage to check conformance with the performance specification and design concept.

Omission or ambiguity in the data submitted may invalidate this tender.

- **ANALOGUE ADDRESSABLE 4 LOOP DETECTION CONTROL PANEL**

1. Make :
2. Name of supplier :
3. Model and type :
4. Country of origin :
5. Describe in detail any deviation from the contract document :

- **ADDRESSABLE REPEATER PANEL**

1. Make :
2. Name of supplier :
3. Model and type :

4. Country of origin :

5. Describe in detail any deviation from the contract document :

○ **SMS COMMUNICATOR / MODULE**

1. Make :

2. Name of supplier :

3. Model and type :

4. Country of origin :

5. Describe in detail any deviation from the contract document :

○ **EMERGENCY POWER SUPPLIES**

1. Make :

2. Name of supplier :

3. Model and type :

4. Country of origin :

5. Capacity :

6. Describe in detail any deviation from the contract document :

○ **ADDESSABLE MANUAL CALL POINT**

1. Make :

2. Name of supplier :

3. Model and type :

4. Country of origin :

5. Describe in detail any deviation from the contract document :

○ **COMBINATION SIREN/STROBE (120DB)**

1. Make :
2. Name of supplier :
3. Model and type :
4. Country of origin :
5. Describe in detail any deviation from the contract document :

○ **FIRE RESISTANT CABLE**

1. Make :
2. Name of supplier :
3. Model and type :
4. Country of origin :
5. Type of approval :
6. Testing authority's name :
7. Describe in detail any deviation from :

1.1 4 LOOP ADDRESSABLE FIRE DETECTION CONTROL PANEL (GAS ROOMS)

1. Make :
2. Name of supplier :
3. Model and type :
4. Country of origin :
5. Describe in detail any deviation from the contract document :

1.2 HIGH SENSITIVITY FIRE DETECTION SYSTEM (HSSD)

1. Make :
2. Name of supplier :
3. Model and type :
4. Country of origin :
5. Describe in detail any deviation from the contract document :

1.3 CONTROL / GAS DISCHARGE PANEL

1. Make :
2. Name of supplier :
3. Model and type :
4. Country of origin :
5. Describe in detail any deviation from the contract document :

1.4 CONTROL / GAS DISCHARGE STATUS UNIT

1. Make :
2. Name of supplier :
3. Model and type :
4. Country of origin :
5. Describe in detail any deviation from the contract document :

1.5 CONTROL / GAS INTERFACE RELAY

1. Make :
2. Name of supplier :
3. Model and type :
4. Country of origin :
5. Describe in detail any deviation from the contract document :

1.6 POWER SUPPLIES – HSSS AND GAS RELEASE STATUS PANEL

1. Make :
2. Name of supplier :
3. Model and type :
4. Country of origin :
5. Describe in detail any deviation from the contract document :

1.7 BELL

1. Make :
2. Name of supplier :
3. Model and type :
4. Country of origin :
5. Describe in detail any deviation from the contract document :

1.8 COMBINATION SIREN/STROBE

1. Make :
2. Name of supplier :
3. Model and type :
4. Country of origin :
5. Describe in detail any deviation from the contract document :

1.9 FIRE RESISTANT CABLE – PH120 ONLY

1. Make :
2. Name of supplier :
3. Country of origin :
4. Type of approval :
5. Testing authority's name :

1.10 GASEOUS EXTINGUISHING AGENT

1. Make :
2. Name of supplier :
3. Country of origin :
4. Type of approval :
5. Testing authority's name :
6. Describe in detail any deviation from the contract document :

1.11 FIRE EXTINGUISHERS

1. Make :
2. Name of supplier :
3. Country of origin :
4. Type of approval :
5. Testing authority's name :
6. Describe in detail any deviation from the contract document :

1.12 PHOTO LUMINISCENT EMERGENCY EXIT SIGNS

1. Name of supplier :
2. Type of approval :
3. Describe in detail any deviation from

Datasheets of all priced detection and emergency voice evacuation equipment must accompany the tender submission.

		Voice Alarm System
Product	QTY	The voice alarm system shall satisfy the above descriptions. A system tested and certified according to EN54 is required. The system to be approved as below or similar.
		Inhere the VM-3000 series voice alarm system is specified. Please supply same or similarly if approved.
Voice Evacuation Frame 8SS for the VX-3000		
Voice Evacuation Frame 4AB for the VX-3000		
VA System Amplifier 500W EN54-certified		

Remote Paging Microphone		
Remote Paging Microphone Extension Keypad		
VA Emergency Power Supply EN54-certified		

12 VOLT 100 A/H BATTERY (Special sealed battery certified for use with VA systems)	<i>in pairs</i>	
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Ceiling Speaker PC-2360EN certified to BS5839-8 EN54-24		
BS-678BSW Wall Speaker 94/150 certified to EN54-24		
SC-615BS Horn speaker 109/150 EN-certified and BS-compliant		
Speaker Cable ___1.5___mm ²		

Rack 22HU 19" wide 800mm deep		
Rack Building/Wiring Termination Blocks		
Product	Qty	Emergency Fireman's Telephone System
Network master handset, wall mount		
Network 8-line exchange unit		
Type A handset, Surface		

○ SCHEDULE OF RATES

Please supply rates (including labour, commissioning etc.) for the supply and installation of the following:

Description	Unit	Supply	Install
Addressable Detection Control Panel – 4 Loop	Per ea	R	R
Addressable Repeater Control Panel	Per ea	R	R
Emergency Power Supply	Per ea	R	R
SMS Communicator Module	Per ea	R	R
Addressable High Sensitivity Optical Smoke Detectors	Per ea	R	R
Addressable Optical Smoke Detectors	Per ea	R	R
Addressable Rise of Heat Detectors			
Detector Bases - Addressable	Per ea	R	R
Addressable Manual Call Point	Per ea	R	R
High Output Sounder with red Strobe	Per ea	R	R
Potential Free Interface Units	Per ea	R	R
Addressable Interface Relay - Inputs	Per ea	R	R
Addressable Interface Relay - Outputs	Per ea	R	R
Fire Retardant Cable – 2 core, 1mm ² dia. PH30	Per m	R	R
Fire Retardant Cable – 2 core, 1.5mm ² dia. PH30	Per m	R	R
P2000 Steel Trunking	Per m	R	R
Steel conduit (incl. Couplings) – 20 mm	Per m	R	R
Steel conduit (incl. Couplings) – 25 mm	Per m	R	R

Description	Unit	Supply	Install
Steel conduit (incl. Couplings) – 32 mm	Per m	R	R
Surface Box for interface relays	Per ea	R	R

Addressable Fire Detection Control Panel	Per ea	R	R
Gas Release Control Panel	Per ea	R	R
Gas Discharge Status Unit	Per ea	R	R
HSSD System – 1 Pipe	Per ea	R	R
HSSD System – 2 Pipe	Per ea	R	R
HSSD System – 3 Pipe	Per ea	R	R
HSSD System – 4 Pipe	Per ea	R	R
24V DC Power Supply with back-up Batteries – HSSD and Gas Release Status Unit	Per ea	R	R
Fire Warning Bells	Per ea	R	R
Siren/Strobe Combination - Conventional	Per ea	R	R
Potential Free Interface Units	Per ea	R	R
Addressable Interface Relay - Inputs	Per ea	R	R
Addressable Interface Relay - Outputs	Per ea	R	R
Gas Discharge Interface Relay	Per ea	R	R
Fire Retardant Cable – 2 core, 1mm ² dia. PH120	Per m	R	R

Over and under voltage protection unit	Per ea	R	R
CONDUIT AND RELATED EQUIPMENT			
P2000 Steel Trunking	Per m	R	R
Steel conduit (incl. Couplings) – 25 mm	Per m	R	R
Steel conduit (incl. Couplings) – 32 mm	Per m	R	R
Heavy duty flexible steel conduit	Per m	R	R
Surface Box for interface relays	Per ea	R	R
GAS SUPPRESSION EQUIPMENT			
200 Bar Pyroshield Cylinder 80L	Per ea	R	R
Pilot Cylinder	Per ea	R	R
Manifold – 1 way	Per ea	R	R
Manifold – 2 way	Per ea	R	R
Manifold – 3 way	Per ea	R	R
Manifold – 5 way	Per ea	R	R
Manifold – 7 way	Per ea	R	R
Manifold – 8 way	Per ea	R	R

2. IMPORTED CONTENT

2.1 VALUE OF IMPORTED CONTENT

Value of imported content subject to rate of exchange fluctuations:

R Nil – Fixed Price Tender

2.2 RATE OF EXCHANGE

Rate of exchange applicable to imported content:

- Rand to the American Dollar : _____
- Rand to the Euro : _____
- Rand to the British Pound : _____

- **DEVIATIONS**

Describe below in detail any deviation from the contract document:

- **GENERAL SCHEDULE**

The tenders shall complete the following schedule. Failure to complete this schedule could lead to disqualification of the tender.

Has the Contractor visited the site and is he fully conversant with the local conditions and the extent of the work?	
Is special temperature and / or humidity control required for the respective batteries of the system offered?	

Is the system offered an analogue addressable system?	
With which of the specified standards does the offered system comply (state standard(s))?	
Have all the necessary strobes and horns as required for evacuation been allowed for in the tender price?	
Will the panel recognize the following conditions of the field devices connected thereto: • Normal Condition • Maintenance Alarm • Fire condition • Fault condition	
Are surge protection provided on the detector lines?	
Are all lines and loops lighting protected?	
Are back-up batteries provided as specified?	
Are the respective line devices approved by: • UL • VDS • BS / EN • ULC	
Is the Contractor fully competent in the design, supply and installation of detection, voice evacuation and emergency voice communication systems (as required to complete the project)?	
Has allowance been made for third party certification on all installations covered in this scope (FDIA or similar)?	
Has allowance been made for the networking of all Addressable Control panels?	
Has allowance been made to interface to the main detection panel with the client's BMS system?	
Has full allowance been made for the training of the end user in the operation of the smoke detection system (numerous training sessions	

will be required)?	
Has full allowance been made for the provision of operational and maintenance manuals complete with as-built drawings, as specified?	
Is the Contractor satisfied with the working conditions on site and has full allowance been made therefore?	
Will the Contractor employ sub-contractors for the execution of any specialized installation works as specified in this specification that falls outside their scope of expertise?	
Has the Contractor completed works similar to this specification and to the same value?	
Is the Contractor accredited by a Quality Management System such as ISO?	
Is the fire cable fire rated and not FR 20?	
Has the Contractor completed supplier training on the detection equipment covered in the scope and are competent in the programming of the detection control panels?	
Has the Contractor completed supplier training on the emergency voice communication system covered in the scope and are competent in the programming of the relevant head-end equipment as well as the interfacing with the detection systems?	
Are all the employees of the Contractor registered as competent persons with SAQCC – Fire Detection?	

- EXCLUSIONS AND ADDITIONAL ITEMS**

List below any exclusions to your offer, as well as any additional items which may not be specified above in order to successfully complete this project:
