Lift tender spec & BOQ for replacement Lifts

Project: SABC

Date: rev 09 February 2023

Lift Designation:

Lift Name	Lift Number
Décor	Lift J
Décor	Lift K
GSM	GSM
Henley Office Park	Lifts F & G
Henley Office Park	Lifts H & I
Parkade	Lifts M, N, O & P
Radio Studios	Lifts H14 & H15
Radio Studios	Lifts H16 & H17
Radiopark Office Bock - Instrument Area	Lift H18
Radiopark Office	RBF
Renascence	Lifts Q & R
TV Office	Lifts A, B, C & D
TV Office Block	Lift E (Firemans Lift)
TV Office Block	Lift L

Lift Name	Lift Number
Radio Park – Goods Lift	Stores
Radio Park – Parking Lifts	Lifts S & T
Radio Park – Goods Lift	Lift H11
Radio Park – Goods/Firemans Lift	Lift H12
Radio Park – Low Rise	Lifts A, B, C, D & E
Radio Park – High Rise	Lifts F, G, H, I & J

Tender submission date:

Time:

Address:

Attention:

LIFT UPGRADE / REPLACEMENT SPECIFICATION

1.1. SCOPE OF WORK

A. Furnish all engineering, materials, labour, tools, equipment, transportation, supervision, testing and inspections for the full replacement of **Lifts** as specified herein. In addition, perform full coverage preventive maintenance service commencing upon Notice to Proceed and continuing through the warranty/guarantee period.

B. In all cases where a device or part of the equipment is herein referred to in the singular number, it is intended that such reference shall apply to as many such devices as are required to complete the installation.

C. Any items not specified in detail by the Contract/Specification, but which are incidental to or necessary for the complete installation and proper operation of the work described herein or reasonably implied, shall be furnished as if called for in detail by the Contract/Specification.

D. SITE VISIT: Tenderers shall be deemed to have visited the site and taken into consideration or ascertained the nature of the sites, access thereto and all local conditions and restrictions likely to affect the execution of the Works and carried out all reasonable inspections, surveys and investigations to ascertain the current status and condition of the Lift Installations included in this specification.

E. Bidders must report discrepancies or ambiguities occurring in the Contract/Specification prior to the submission of the bid proposal. Submission of the bid without clarification will reflect ac-acceptance of the Contract/Specification as written.

F. Alternatives will be considered, only if a full justification is presented and in no circumstances will it affect the performance and quality of the installation.

G. All deviations will be qualified at tender stage, and the Owner reserve the right to accept or decline.

H. Acceptance of tender: The Employer and his representatives reserve the rights to the following:

1. Offer no guarantee that the lowest tender will be recommended for acceptance or accepted
2. Tender submission shall be judged on quality, price and delivery.

1.2. CONSULTANT'S RESPONSIBILITIES

Owner has hired a Consultant who shall act as a representative of Owner in matters pertaining to the work of the contract, including interpretation of Contract/Specifications and contract documents, review of shop drawing submissions, approval of payment applications, review of project progress, and final review of the completed work prior to acceptance by Owner.

The supplier hereby accepts the responsibility of providing information as requested in Annexure 2 to the Consultant in terms of this contract. In addition, the supplier will respond to additional requests for information as required from time to time working on a maximum timeframe of 2 working days. Failure to comply will result in a charge of R4000 per day or part thereof in lieu of administration and impact of delays on project planning. Requests will be made by e-mail. It is the supplier’s responsibility to ensure the consultant is provided with the e-mail details of the person responsible for enquiry information and requests are dealt with.

1.3. STANDARDS AND REGULATIONS

A. All material, design, clearances, construction, workmanship, operation and tests shall be in accordance with the requirements of the most recent issues of the **SANS 50081-20** and OHSAct.

1.4. PERMITS AND INSPECTIONS

A. Contractor shall give all requisite notices, obtain and pay for all permits, and pay all deposits and fees necessary for the installation of all work provided under this Contract/ Specification. In addition, Contractor shall obtain and pay for all necessary state and local inspections and conduct such tests as may be required by the regulations of such authorities. These tests shall be made in the presence of the authorized representative of such authorities and in the presence of Owner. An elevator installation permit shall be displayed on the job site and visible to interested parties.

B. The installation, when complete, shall receive the final approval of all constituted authorities and Contractor shall submit evidence of the inspection results and the Certificate of Operation from the constituted authority.

1.5. CONTRACTOR QUALIFICATION

A. Contractor shall be one regularly engaged in the business of design, engineering, manufacture, installation, modernization, and/or servicing of elevators of the type and character required by this Contract/Specification, shall be or represent an approved manufacturer, and shall assume full responsibility for the products used in assembling the elevator equipment. Certified engineering drawings and descriptive technical data on the proposed equipment shall be provided by Contractor as furnished by the component manufacturer.

1.6. SHOP DRAWINGS/SUBMITTALS AS BUILT DRAWINGS

A. Job specific shop drawings and technical coordination information shall be submitted for review prior to commencing with fabrication of the equipment. The first shop drawing submittal shall be complete. Partial shop drawings will not be reviewed until they are complete. Delay in the project as a result of partial submittals shall be the responsibility of Contractor. Shop drawing submission shall include, but not be limited to, the following:

1. Hoistway and machine room layouts, if required.
2. Hoistway entrance, sill, header, and door equipment layout, if required.
3. Elevator Cab layout, if required.
4. Signal Operating Fixture Details.
5. Structural calculations for new machinery and equipment as required by code.

B. Upon completion of the project, Contractor shall submit the following:

1. One (1) set of diagnostic tools, including all manuals, codes and sundries necessary to operate the tools to test, adjust and maintain the elevator equipment provided. The tool shall become the property of Owner.

2. Three (3) sets of complete certified engineering data, including parts lists and parts numbers on all equipment as will be necessary for maintaining the equipment and for ordering replacements. Certified engineering data shall be permanently bound.

3. One (1) original complete and legible set of wiring diagrams and straight-line diagrams showing the complete electrical connections, functions and sequence of operation of all apparatus connected with the elevator, including door operator, both in the machine room and in the hoistway. Each device on the wiring diagrams and controller panels shall be properly and permanently identified by name and part number.

4. One (1) original reproducible and three (3) complete sets of As-Built shop drawings, including layouts and signal operating fixture details.

5. Three (3) sets of neatly bound instructions manuals explaining all operating features including apparatus in the car and lobby control panels, control sequence of operation, adjusting and troubleshooting procedures.

6. Three (3) sets of lubrication charts indicating lubrication points and type of lubrication recommended for all equipment. One (1) set shall be bound and permanently maintained in the elevator machine room.

7. Ten (10) sets of keys to operate all key operated functions all marked and identified.

1.7. MATERIALS & EQUIPMENT

All materials and equipment to be furnished under this Contract/Specification shall be new, of the best grade and quality used for the purpose of commercial practice and shall be the latest standard product as advertised in printed catalogues by reputable manufacturers. All equipment or apparatus of any one system must be the product of one manufacturer, or equivalent products of several manufacturers which are suitable for use in a unified or assembled system. All parts of the elevator equipment shall be built to standard dimensions, tolerances and clearances in order to ensure complete interchange ability of similar parts of similar machines and devices.

1.8. HOISTING, HANDLING AND INSTALLATION OF EQUIPMENT

A. Contractor shall provide for all cartage, handling and receiving, hoisting and lowering and removal of equipment related to the work, from the property. Contractor shall be responsible for all permits, fees and coordination with local authorities, including local police and fire departments, for use of crane service on and around the property.

B. The equipment shall be installed in accordance with the equipment manufacturer's direction, referenced codes and Contract/Specifications.

C. The machine room equipment shall be installed with clearances complying with referenced and applicable codes and Contract/Specifications.

D. All items shall be installed so that they are safely accessible for maintenance and so that they may be removable via portable hoist or other means for maintenance and repair.

1.9. ACCEPTANCE OF EQUIPMENT

No approval, either written or verbal, of any drawings, descriptive data or samples of such material, equipment and/or appurtenances shall relieve Contractor of his responsibility to turn over the same to Owner in perfect working order at the completion of the work. Any material, equipment, or appurtenances, the operation, capacity or performance of which does not comply

with the Contract/Specification requirements, or which is damaged prior to acceptance by Owner, shall be held to be defective material and shall be removed and replaced with proper and acceptable materials, equipment and/or appurtenances, or put in proper and acceptable working order, satisfactory to Owner, without additional cost to Owner.

1.10. SPECIAL TOOLS AND INSTRUCTIONS FOR USE

A. Contractor shall provide all required specialized tools, instructions for their use and sundries as necessary to perform diagnostic evaluations, adjustments or programmable software changes on any unit of the microprocessor-based elevator control equipment provided. Diagnostic tools shall become the property of Owner.

B. Diagnostic tools which require periodic recalibration and/or re-initiation shall be performed by Contractor at no cost to Owner for a period of ten (10) years from the date of final acceptance of the equipment, regardless of whether Contractor is or is not the maintenance contractor for the equipment. Should a diagnostic tool be required to be repaired, recalibrated or reinitiated, Contractor shall provide a similar “loaner” tool to Owner, until the original Owner's tool is returned.

C. Diagnostic tools provided to Owner shall be capable of performing all levels of diagnostics, systems adjustments and software program changes that are available to Contractor.

D. Contractor shall provide three (3) bound sets of printed instructions for use of any tool that may be necessary to perform diagnostic evaluations, systems adjustment and / or programmable software changes on any unit of the microprocessor-based elevator control equipment. Contractor shall provide access codes, passwords and other proprietary information that is necessary to interface with the microprocessor control equipment. In addition, Contractor shall provide step by step adjusting, programming and troubleshooting procedures as pertain to the microprocessor control equipment, a composite listing of the individual settings chosen for the variable software parameters stored on the software programs of both motion and dispatch controllers.

1.11. RELATED WORK INCLUDED AND PART OF THE ELEVATOR CONTRACT

A. Contractor shall submit its proposal based on acceptance of the hoistways and machine room as exists. Contractor shall notify Owner of any changes to the hoistways and/or machine room, which are necessary to accommodate Contractor's equipment or to comply with Code prior to the submission of the bid for the elevator modernization.

B. Contractor shall assist Owner with coordination and completion of the work to be performed which is part of the Elevator Contract, as required, during the course of the project to assure that all work required of other trades is completed in such a manner and in such time as will be required to permit Contractor to commence and complete the Contract work within the project schedule requirements.

C. The following Electrical/Mechanical work is included in Contractor’s scope of work:
   1. Replace existing main line disconnects in the machine room. Contractor shall be responsible for designing new elevator equipment to work with existing electrical feeders and new main line disconnects.

   2. Furnish and install new separate 220 volt lockable disconnects for cab lighting. One per elevator.

3. Re-use wiring to the elevator machine room for telephone communication or provide new as needed. Provide a consolidator so at least two cars can be on one phone line.

4. The smoke detector at the main lobby floor shall be programmed so that when activated the elevators will go the alternate recall floor. When any of the other smoke detectors are activated, the elevators shall recall to the main floor. Reconnection of the existing system by Contractor.

5. Provide necessary modifications to the existing fire alarm system so that all items in #4 above are properly interfaced with the existing fire life safety system.

6. Contractor to reuse existing grounding if acceptable, if grounding is not acceptable, the Contractor will be responsible to appoint a competent sub-contractor to run wiring for True earth ground from elevator machine room to main building ground if necessary. This will also apply for new outlets in the pits and machine room with GFCI protection and the power source and disconnect for new intercom.

7. Provide additional lighting in machine room and pit; make any necessary repairs to the existing machine room lights. Provide protective grill/covers on the machine room and pit lights.

8. In each elevator pit, install a pit ladder, light switch, three pin plug point, pit and shaft lights as per SANS **50081-20**.

1.12. DEMOLITION, CUTTING, ALTERATIONS AND REMOVALS

A. All demolition, cutting, alterations and removal required to prepare the building to receive the new work, and any such demolition, cutting, alterations and removal which may be necessary to complete the work in a first class workmanlike manner, shall be performed by the Contractor.

B. All surfaces, such as roofs, walls, windows, floorings, ceiling, etc., which are damaged or disturbed due to the performance of the work of this contract, shall be repaired by Contractor in a first-class workmanlike manner to match existing and surrounding areas.

C. All permanent and temporary bracing and anchoring required for the support or transfer of any load while demolition or installation work is in progress shall be provided by Contractor. All work shall be made absolutely stable and secure, and Contractor shall be held strictly responsible for any damage resulting from failure to properly furnish such support.

D. Contractor shall protect Owner's property, equipment and stored materials against damage, dust and dirt at all times and shall confine all methods of construction to promote safety and reduce noise and dust, due to occupancy of the property and provide necessary protective guards, barricades, tarpaulins and drop cloths.

E. Contractor shall remove all unused and demolished equipment and rubbish on a continual basis and shall keep the premises always clean during the term of the project. At the completion of work, Contractor shall leave the premises clean and in such condition as is satisfactory to Owner.

1.13. MATERIAL AND EQUIPMENT DELIVERY, STORAGE

A. All materials shall be delivered in the original unopened protective packaging and shall be stored in the protective packaging to prevent soiling, physical damage and wetting.

B. Equipment and exposed finishes shall be protected during transportation, erection and construction against damage and stains.

C. Contractor shall confine his apparatus and the storage of materials to limits established by law, ordinances, permits or directions of Owner and shall not unreasonably encumber the premises with his materials. All flammable or combustible materials shall be properly stored to eliminate potential fire hazards.

1.14. PROJECT MANAGEMENT AND SUPERVISION

Contractor shall designate an experienced Project Manager to perform the administrative management of the project and place a competent Superintendent in charge of the project throughout the course of the work. Contractor's on-site job Foreman shall be responsible for day-to-day operations and scheduling with Owner. The Project Manager and Superintendent shall be available to Owner to assist in the progress and coordination of the work of the project and shall represent Contractor in all matters relating to the project.

1.15. SAFETY PLAN

Contractor shall submit a detailed safety plan for this project at time of shop drawing submittal. Safety Plan shall detail the type and construction of the barricades to be used at open hoistways, rigging to be worn by Contractors, and first aid kit. The superintendent shall hold a safety meeting on site monthly.
The Contractor hereby acknowledges that he is aware and able to comply with all requirements of the OHS Act.

1.16. EXECUTION

Contractor shall perform the following as part of the execution of the work of the Elevator Contract:

1. Comply with all requirements of the local Fire Codes that are applicable to this work.

2. Be sensitive to the needs and entitlements of the occupants of the building while performing the work.

3. Confirm that the Contract/Specification and contract documents are complete with regard to the work required to provide for a complete, legal and Code compliant installation.

4. Confirm that the elevator equipment to be provided will fit within the space available. Survey the job site and verify by measurement all dimensions affecting the work to be performed as part of the Contract. Advise Owner of any deficiencies which may conflict with design tolerances of the equipment to be installed, prior to fabrication of the equipment affected.

5. Provide information as required for coordination of work to be performed by other trades which will affect scheduling of the elevator work and information required for coordination in scheduling the elevator work which will affect the scheduling of other trade contractor work.

6. Permit only skilled workmen to perform the work of the Elevator Contract, unless for such works requiring cleaning, painting and material handling then semi-skilled labour shall be permitted.

7. Install all equipment in accordance with the Elevator Contract, the Contract/Specification and the final approved shop drawings.

8. Comply with all applicable Codes, manufacturer's instructions and installation procedures.

9. Keep all means of access and egress to and from the building, stairwells and lobbies free and clear of materials, tools and equipment at all times.

10. Broom sweep the work areas, remove all hazardous materials from the site on a daily basis and keep all areas clean of all dirt and grease resulting from the work.

11. Protect all finished surfaces during installation through to the final acceptance of the elevators. Upon acceptance of the elevators, remove all protective coverings and thoroughly clean finished surfaces of paint, wrappings, mastic, etc. Repair any damage, including scratches, dents, discoloration, etc. which may have occurred to the finished surfaces except for any obvious vandalism, misuse or abuse of the equipment by others.

1.17. LIFE SAFETY SYSTEMS

Contractor shall maintain all operating life safety systems in operation at all times, including elevator Fire/Emergency recall and operation and Emergency Power operation. Elevators operating for the Workman's or Public's use are to be Code compliant at all times throughout the work of the Contract.

1.18. TESTING

A. Upon completion of each elevator and of each system, Contractor shall completely test the equipment, both before the local authority and Owner, to demonstrate that the equipment was provided in accordance with Code and Contract/Specification requirements and complies with the Performance criteria listed elsewhere in the Contract/Specification.

B. Contractor shall provide all labour, tools and equipment necessary for on-site observations, testing, retesting, inspections and re-inspections as may be required to satisfy the Code testing requirements, the requirements of the local testing authority and the requirements of Owner.

C. Upon satisfactory completion of required tests, Contractor shall obtain and submit to Owner the Certificate of Operation or other instrument, which may be required to legally permit Owner to operate the elevator.

1.19. FINAL CLEAN-UP

Upon completion of the project, Contractor shall clean out and remove all loose materials from the hoistway, pit and machine room; remove all crating and packing materials and all unused elevator equipment from the job site; clean the machine room floor of dirt, oil, grease and dust and paint the machine room floor, pit and car top to provide for the machine room pit and car top to be dust free at the time of the Final Acceptance of the elevator system.

1.20. INSTRUCTIONS TO OWNER

Contractor shall provide a minimum of four (4) hours of instructions to Owner's personnel upon completion of the elevator installation. Instructions shall include safety procedures, proper operation of all equipment and routine maintenance procedures. In addition, Contractor shall provide explanation and demonstration of each control feature and operation, including Independent Service Operation, Emergency Recall Operation, Phase I and Emergency in Car Operation Phase II, Car to Lobby, Swing Car Operation, and Emergency Power Operation.

1.21. WARRANTY AND GUARANTEE

Contractor shall warrant and guarantee all equipment provided and installed under this Contract/Specification against defects in materials and workmanship and will correct any defects not due to ordinary wear and tear or improper use or care which may develop within one (1) year from the date the last elevator is completed, placed into operation and accepted by Owner. This warranty is not intended to supplement normal maintenance service and shall not be construed to mean that Contractor shall provide free service or periodic examination, lubrication, or adjustment due to normal use, beyond that included in the Contract/Specifications, nor shall Contractor correct, without charge, breakage, maladjustments, or other trouble arising from abuse, misuse, improper or inadequate maintenance, or any other causes beyond his control.

1.22. MAINTENANCE SERVICE

A. **Interim Maintenance**: Contractor shall provide a lump sum price in the Bid Form to provide full coverage maintenance service to the lift banks where applicable as per Tender Price Schedule, commencing upon Notice to Proceed for the modernization contract work. This interim maintenance service shall provide comprehensive full coverage maintenance, as outlined in the attached maintenance specification, on the existing elevator equipment and on each modernized elevator as they are placed back into operation including emergency call-back service and shall be made available on a 24-hour 7 day per week basis, upon Owner's request. The service shall continue through until the completion of the modernization contract work and acceptance of the last elevator by Owner. The amount of this lump sum price shall be paid monthly over the schedule provided in the contract documents. Should Contractor finish the project in less time than allotted by the schedule, Contractor will be paid for the remaining lump sum amount. Should Contractor go beyond the contract schedule, Contractor will continue to provide full maintenance coverage at no cost to owner.

B. **Warranty Maintenance/ Free Service**: Once the elevator modernization work has been completed and accepted as substantially complete by Owner and Elevator Consultant the Elevator Contactor shall provide warranty maintenance/Free Service for (1) one year, thereafter it will be at the discretion of the owner. The Warranty Maintenance shall be all-inclusive and not include any pro-rations or exclusions and shall provide comprehensive full coverage as outlined in a Service Level Agreement that will be entered into at the point of adjudication. The price for this service shall be stated as a lump sum on the Tender Price Schedule.

C. The preventive maintenance program service to be provided shall consist of once per month examinations of the equipment, adjustments, lubrication, cleaning, supplies and parts to keep the equipment in proper operation, except such adjustments, parts or repairs made necessary by abuse, misuse or any other causes beyond the control of Contractor. Contractor shall also repair or replace existing retained electrical and mechanical parts of the elevator equipment, whenever this is required, and shall use only genuine standard parts produced by the Manufacturer of the

equipment concerned. All wire ropes shall be replaced as often as necessary to maintain an adequate factor of safety. Full load safety tests and Code required testing of the elevators and elevator operation shall be included as part of the contract, as well as provisions for termination of the Maintenance Contract for non-performance.

D. Prior to removing an elevator from service and subsequent to completion of the elevator modernization work, preventive maintenance and call-back service work shall be performed during the regular working hours of the regular working days of Contractor, unless specifically requested to be performed at other times by Owner. In that case, Contractor shall be compensated for the difference paid the elevator examiner between straight time rates and the applicable overtime rates for the time spent performing the requested work, but excluding travel time. Emergency call-back service shall be made available on a 24-hour 7 day per week basis and be available upon Owner's request.

E. During the time period when one of the elevators has been removed from service to perform the modernization work, maintenance service work on the other elevators which shall require removal of an elevator from operation shall only be permitted during the time period of 6:00 am to 8:00 am, after 5:00 pm, or on the weekends.

F. TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT

1.23. CONTINUING SUPPORT

Should Contractor's contract for continuing maintenance services not be executed by Owner, or should it be cancelled for any reason by either Owner or Contractor, Contractor shall be obligated to notify Owner and to provide to Owner continuing information regarding changes recommended or necessary to be performed to the equipment to comply with Code changes or Manufacturer recommended and/or authorized changes or repairs, modifications, adjustments, replacements, etc., to permit for the continued integrity and safe/reliable operation of the equipment provided under the elevator installation contract and this Contract/Specification. In addition, Contractor shall provide field and technical assistance and instructions to Owner or Owner's elevator maintenance company, upon Owner's request, within a reasonable time following Owner's request, for which Contractor shall be compensated at Contractor's direct cost plus a reasonable charge for profit and overhead for materials and labour. Labour charges shall not exceed Contractor's standard elevator mechanic hourly billing rates. Contractor shall also be obligated to perform any repairs and/or replacements of equipment components required by the component Manufacturer to be made to correct faulty design or manufacture.

2.0 ELEVATOR SCHEDULE/EQUIPMENT SUMMARY (1)

2.1 ELEVATOR SCHEDULE (REFERE TO ANNEX 1 - BOQ)

2.2 ELEVATOR CONTROL SYSTEM (VVVF DRIVE)

Complete replacement with new lifts. The lifts will be designed and manufactured to fit into the existing shafts. All builders' works if any, will fall under the lift service provider's scope of work. The existing door frames are to be retained and cladded in stainless steel.
All material, design, clearances, construction, workmanship, operation and tests shall be in accordance with the requirements of the most recent issues of the **SANS 50081-20** and OHSAct.

A. A position reference system shall provide positive means of determining the position of the elevator in the hoistway at all times. Digital encoders shall be provided on the elevator or in the machine room. Analogue systems utilizing perforated steel tapes are not permitted. The encoder unit mounted on the top of the car or on the governor shall be capable of providing a signal as to the position of the car in the hoistway. Floor location for levelling shall be determined via magnetic strips affixed to the brackets or tapes to define the floor-levelling zone. The position reference system shall provide 3mm resolution accuracy for the entire length of the hoistway.

B. A digital velocity transducer shall be mounted on the machine to communicate the machine speed to the individual car computer. Analogue systems utilizing Tachometers are not permitted. The car computer shall continuously compare the machine speed to the optimum velocity pro-file and point of slowdown for the target floor and control the acceleration and retardation to final stop regardless of travel or load in the car. Adjustments to the pattern shall be performed to the elevator prior to committing the selected ride pattern to the car computer's memory. Data shall be stored in a non-volatile memory in the system to prevent malevolent use and be accessible only to authorized technicians. The hoistway position reference system shall provide a visual display of the current shaft count or synchronous position plus a bar graph indication of the pattern profile/elevator speed. Means for adjusting the test speed, pattern precondition, soft start acceleration and deceleration shall be included in the car controller. Battery backup memory shall be provided to retain the current floor count in the event of a power shutdown. Nominal shaft counting errors shall be corrected each time the elevator stops at a floor or terminal landing to reset shaft counts.

C. The control system shall be designed to automatically bring the car to a floor landing. The stop shall be smooth without any sudden brake application. The floor approach shall be without any hesitation or delay in time. Floor sensing devices shall correct for over-travel and under-travel and shall maintain the car within a maximum of 3mm of the floor line, regardless of rated capacity, load or direction of travel.

D. The controllers shall be enclosed in properly ventilated metal cabinets with sides and top, and with hinged access doors on the front and the back. Rubber mats shall be installed on the floor in front and behind each controller, starting panel and selector, as required, for electrical grounding protection of the equipment.

E. All controller printed circuit boards, discrete components, switches, and other items of control equipment shall be mounted on a common panel or individual panels which shall be made of an approved, moisture-resisting, non-combustible material which shall be securely mounted in a substantial, self-supporting steel frame with fastenings suitable for panel demounting. A vibration

absorbing mounting shall be provided for the steel frame, if necessary, to eliminate perceptible vibration.

F. Electro-mechanical switches and relays shall be used where heavy current is supplied and/or on safety circuits required by the governing Elevator Codes.

G. All switches, printed circuit boards and discrete components shall be mounted in the front of panels together with any small electronic components. Large capacity resistors shall be mounted on the rear, sides or top of panels.

H. Protective devices shall be provided to protect the Motor Drive Unit or VVVF Drive against overload and phase reversal.

I. Time delay circuits shall be of an accepted design that is reliable and consistent, such as electronic timing circuits. No air dash pot relays shall be used.

J. Wiring on the controller, whether factory or field wiring, shall be done in neat workmanlike order and all connections shall be made to studs and/or terminals by means of grommets, solderless lugs or similar connections. All wiring shall be copper.

K. Terminal blocks with identifying studs shall be provided on the controller for connection of board wiring or external wiring.

L. Identifying symbols or letters shall be permanently marked on or adjacent to each device on the controller and the marking shall be identical to marking used on the wiring diagrams. In addition to the identifying marks, the ampere rating shall be marked adjacent to all fuse holders.

M. All input-output devices shall be marked similarly to relays for easy reference to wiring diagrams.

N. The selector shall be part of the microprocessor. Position determination in the hoistway may be through fixed tape in the hoistway or by an encoder fitted to the governor. The features and electrical circuits shall be so designed to permit accurate control and rapid acceleration and retardation without discomfort.

O. Contractor shall confirm which floor are to be the main dispatch floor, the Fireman Recall floor and the Alternate Fireman Recall floor, prior to fabrication of the control equipment. The control shall be programmable to enable the dispatch and recall floors to be changed in the field.

P. Contractor shall provide all electrical information necessary for review by Owner or Consultant at the time of submission of the elevator hoistway layout drawings.

Q. Owner and Elevator Consultant will judge ride quality of cars and enforce the following requirements. Contractor shall make all necessary adjustments.

    a. Acceleration and Deceleration: Starting and stopping shall be smooth and comfortable, without obvious steps of acceleration. Slowdown, stopping and levelling shall be without jars or bumps. Stopping upon operation of emergency stop switch shall be rapid but not violent.

i. Vertical Acceleration: Maximum 1220 mm per second squared. Maximum jerk 2440 mm per second cubed.
ii. Horizontal Acceleration: Maximum 10 mg peak-to-peak measured at full speed for full travel in both directions.

b. Full Speed Riding: Free from vibration and sway.

c. Vibration: Sound isolate machines and motor drives from beams and building structure to prevent objectionable noise and vibration transmission to occupied building spaces.

d. Airborne Noise: Maximum allowed acoustical output level of:
i. 75 dba measured in machine room.
ii. 60 dba measured in elevator cars during all sequences of operation.
iii. 45 dba measured in elevator lobbies.

2.3 MICROPROCESSOR DISPATCH OPERATION CONTROLLER

A. A solid-state programmable microprocessor dispatch controller shall be provided. The elevators shall operate without attendants as a group and be capable of balancing service and continuing operation with one or more cars removed from the system.

B. The microprocessor shall continuously accept external data from passenger registration of hall and car calls and from each elevator indicating present operating condition. Data shall be analysed and weighed based on elevator operating status, i.e., elevator in or out of service, bypass, at lobby in Next Car mode, direction of travel and position of each elevator, condition of car doors, i.e., open, closed, opening or closing, condition of each elevator, i.e., accelerating, full speed, decelerating, number of stops due to car calls, number of stops due to previously as-signed hall calls, coincident car calls, system condition, i.e., Up Peak or Down Peak, and predictive car and hall call assignments. The microprocessor programming shall include velocity / distance formulae to calculate the time it will take for each elevator to respond to newly registered demands and compare response time for each car to the newly registered demand and as-sign the car which can respond to the demand in the shortest time period. The microprocessor program shall include the ability to continuously monitor elevator and demand status and change assignments when changing conditions warrant.

B. The elevators shall operate from buttons located at each floor and in each car. Registration of calls by momentary pressure on buttons shall cause the cars to respond to passenger demand. Cars shall slow down and stop automatically at landings corresponding to calls registered on car or hall buttons. These stops shall be made in the natural order of floors for each direction of travel irrespective of the order in which the calls were registered, except that only one car shall stop in response to any particular hall call. The system shall continuously review and modify all hall call assignments to insure that the closest elevator in real time to a hall call is assigned to that call. Simultaneous to the initiation of the slowdown of a car for a hall call, that call shall be cancelled. The call shall remain cancelled and the hall button ineffective until the car doors begin to close after passenger traffic. Calls registered on car buttons shall cancel in the same manner.

C. The supervisory control system shall operate to meet the changing traffic conditions on the basis of demand. Provisions shall be included for handling traffic as follows:

1. Heavy Up Incoming Traffic Conditions: The control shall automatically recognize heavy incoming traffic in the morning and noon times as well as other times during the day by monitoring the changes in car passenger loads, the number of car calls registered and the

frequency of cars departing the lobby. As the incoming traffic intensity increases, the number of cars assigned to the lobby shall increase.
During Heavy Up, cars shall be loaded one at a time and only the doors of the next car shall open. As that car becomes loaded, or the loading time expires, the car shall leave and an adjacent car shall become next. Multiple car loading provisions shall be incorporated into the system to permit multiple Next car assignments. If a car returns to the Lobby with a passenger, causing the doors of that car to open, that car shall be capable of receiving passengers and dispatching within the normal dispatching time as if it were the next car.

A car traveling Up on Heavy Up shall reverse and return to the dispatch floor after it has answered its car calls and any Up hall calls assigned to it. Down hall calls shall be answered by any car on the return trip.

When the incoming traffic diminishes, the control shall reallocate cars from the dispatch floor and permit cars to park with their doors closed at the last floor served.

Heavy Down Traffic Conditions: The control shall automatically recognize heavy outgoing or Down traffic conditions by monitoring the number of Down hall calls, their estimated time of arrival and the actual waiting time. During this mode, the Down hall calls shall be given preferential service to handle the exiting traffic. All cars assigned to the main dispatch floor shall be released and cars arriving at the main dispatch floor shall remain at that floor for the same length of time as for any other floor. All Down hall calls shall be assigned based on which car has the best potential arrival time. The Down Peak traffic mode shall have priority over Up peak.

Selectable Hall Waiting Time, Down Peak: The Up hall call response time shall be pre-set so that Up calls can be answered in an adjustable minimum/maximum time interval, permitting better service to the outgoing traffic. The assignments shall be made the same way as under Selectable Hall Waiting Time, Up Peak, but for Up hall calls only.

Intermittent or Light Traffic: The control shall automatically keep the required number of cars in service based on the forecast waiting time. Cars shall remain parked at the last floor served.
Lobby Terminal Demand: The control shall provide for an adjustable number of cars at the dispatch floor during off peak conditions. When there is no next car at the dispatch floor, the estimated time of arrival of the down traveling cars is calculated. If no car can reach the dispatch floor within an adjustable time, a dispatch floor demand shall automatically re-turn an available car.

2. Coincident Calls: The control shall give priority in assignment of a hall call to a car with a corresponding car call. If this coincident hall call cannot be answered within the adjustable priority time, the car with the best potential arrival time shall be assigned to the hall call.

3. High Priority Floor: A priority floor shall be a floor which is to be served within a pre-set adjustable time. If the car with the best estimated time of arrival exceeds the pre-set time, the control shall assign the priority call to the best car, removing all hall call assignments from that car, taking into consideration only car call stops. The assignment of a floor as a High Priority floor shall be field adjustable.

4. Fail Safe Dispatching Operation: Should the car selection or dispatching system fail, so that cars are not dispatched within the predetermined interval and in accordance with the

conditions of the operating pattern in effect, the cars shall leave the dispatching terminals with-out regard to sequence of regular intervals and proceed to answer registered calls in the normal sequence and manner, unless fire return features have been activated, until dis-patching malfunctions are corrected and normal service is restored. Optional power provisions shall be incorporated into the elevator control dispatch system to prevent loss of control memory, sequence of operation and/or other control functions due to fractional power interruptions, spikes or other interferences.

5. Delayed Car: A car delayed for a predetermined time shall be automatically disconnected from the system operation. When the delay is corrected, the car shall be reconnected into the system.

6. Door Dwell Times: Door dwell times shall be field adjustable with resolution to 0.1 seconds. The dwell time at the main dispatch floor shall be adjustable between 3 and 15 seconds. The dwell time for a car call stop at a typical floor shall be adjustable between 1 and 8 seconds and the dwell time for a hall call stop shall be adjustable between 1 and 8 seconds. The hall call timing shall predominate in the event of a coincidental car and hall call stop. Upon interruption of the car door detector beams, the door open time shall be reduced to an adjustable time of 0.5 to 3 seconds. The photo beam control door dwell time shall be separately adjustable for car and hall calls. Dispatch floor dwell time shall be cancelled when the system is on Down peak operation.

7. Anti-Nuisance: In the event car loading or operation is not commensurate with the number of calls registered, all car calls shall be cancelled.

8. Load Weighing Bypass: The elevators shall bypass hall calls when their respective load weighing devices are activated, The new load weighing devices shall weigh the live load in the cab and provide a signal to the elevator control system when the live load has reached a predetermined level. Initially, the load weighing devices shall be set at 50%.

9. Nudging: In the event the doors are held open for a predetermined adjustable period of time, initially to be set at 20 seconds, after automatic door closing has been initiated, a buzzer shall sound and the doors shall be permitted to close at a reduced speed and in compliance with **SANS 50081-20** Elevator Code.

10. Security Feature: Interface the new elevator controls with the existing Car Call Lock-out Security Card Reader System. (If required)

2.4 *CONTROLLER DIAGNOSTICS*

The controller shall include the ability to perform diagnostic analysis of the system capable of determining faults. When a fault occurs, the computer shall be able to provide a retrievable fault code message identifying the location of the elevator, the time of day of the occurrence, and the number of times the fault has occurred.

2.5 *STATISTICAL DATA STORAGE AND RETRIEVAL*

A. The controller shall be capable of storing and retrieving statistical data to permit analysis and evaluation of the operating system response to traffic demand. Information to be stored shall include statistics relating to average waiting times for each floor serviced by the multiple car elevator banks, cars in service, frequency of car stops per car, activation of stop switches, etc.

during a series of normal workdays, and other pertinent information which may be requested to be provided. Software and hardware, including printers, necessary to retrieve and print the data shall be provided to Owner. Statistical information shall be presented in a user friendly format and not require special training to interpret the data.

2.6 *SECURITY SYSTEM (If required)*

Contractor shall provide means to limit access to each building floor. Insure the control/security system will allow Fire-fighter's and Independent Service to override the security system. Insure that the control system, while operating in a secure mode will perform and operate utilizing all normal dispatch and emergency features and functions. Provide provisions in-side each elevator/s for "Owner provided" card or proximity reader. Provide the ability to "lock-out" floor calls and scale the degree of security access to each group of elevators within the Elevator Control System. Interface existing building car and/or hall call lock-out security system with new elevator control system.

2.7 *FIRE COMMAND CENTER AND FIREMAN EMERGENCY OPERATION*

A. Fireman Recall/Emergency Operation shall include Phase I and Phase II operation in accordance with **SANS 50081-20** Elevator Code requirements and local governing Code requirements. Provide new digital LED direction indicators and hoistway position display, new two position keyed switch in accordance with **SANS 50081-20** Elevator Safety Code, new Car to Lobby key operated switches for each elevator, Auto/Manual Emergency Power sequencing, (allow one elevator to operate under Emergency Power Operation) and a new Intercom Commutations Device shall be located in the new Fire Command Centre, Machine Room, and each elevator cab.

B. Fireman Recall/Emergency key switches shall be located in the main Fireman access floor elevator lobby and installed per the requirements of **SANS 50081-20**

C. All floor access restrictions shall be overridden on Fire/Emergency operation.

D. The elevator control system shall be tied in with the building Fire Alarm system (Heat/Smoke Sensing Devices) and tested with the Fire Alarm system contractor.

2.8 *EMERGENCY POWER OPERATION*

A. The existing emergency power system shall be connected to the elevators. In the event of a normal power supply failure, the elevator system shall be arranged to operate from an existing emergency power supply source and auxiliary contacts. The emergency power shall be available to all elevators in the system through the normal power feeders. The emergency power shall be of the same characteristics as the normal power and shall have the same phase rotation.

B. Contractor shall provide circuitry in the elevator controller so that after normal power failure and establishment of emergency power, *one (1) elevator* shall automatically proceed to the designated landing where it will stop and deactivate with the doors open and with all of its power and operating circuits in an operable standby condition. After each elevator in the system has returned to the designated landing, *one (1)* pre-selected elevator shall remain operational in each elevator bank on the emergency power. Should the pre-selected elevator fail to operate, another elevator shall automatically be selected. The Emergency Power Operation switches may be integrated in the Fire Command Panel. The manual switch shall override the automatic selection and permit the operator to select any car. Upon restoration of normal power, all elevators shall return to normal operation.

2.9 *INDEPENDENT SERVICE*

A. Independent Service operation, activated from the Independent Service switch, shall permit any one or more elevators to be removed from the system and used for special service without interfering with the normal operation of the remainder of the elevators operating within the system.

B. When on Independent Service, the elevator shall be disconnected from the system and shall respond only to calls registered on the car buttons. Hall calls shall be automatically bypassed and hall lanterns and high call operation circuits shall be inoperative. The car doors shall close only when a car call button is pressed.

C. In the event an elevator is operating on Independent Service and Fireman/Emergency Operation recall becomes activated, following a period of approximately 60 seconds, the elevator shall automatically override Independent Service and engage Phase I Emergency recall. This operation shall be subject to acceptance by Code and Code enforcement authority.

2.10 *CAR TO LOBBY OPERATION*

The Car to Lobby keyed switches for each elevator shall be located in the Fire Command Cen-ter. When a switch is activated, the selected elevator shall complete the answering of whatever car calls had been registered then return non-stop to the elevator lobby. Upon arriving at the re-turn floor, the elevator shall park with the doors open. Upon return of the key switch to the normal position, the elevator shall be returned to normal operation. This feature shall be over-ridden when on Phase I Fireman's/Emergency recall operation.

2.11 *DISABILITIES ACT*

Provide a voice announcement system and floor passing chimes. The elevator system operation shall comply with the requirements of the Disabilities Act. The existing hall lanterns shall provide a visual and audible signal of arrival of an elevator at a floor. The hall lantern audible signal shall sound once for an Up direction elevator and twice for a Down direction elevator. The hall lanterns shall signal approximately 3 seconds prior to the arrival of the elevator to the floor. Doors shall open and close automatically and car doors shall include a door-reopening device. The door-reopening device shall remain operative for a minimum of 20 seconds. Door dwell time shall comply with the T = D/1.5 formula. Doors shall remain open for a minimum of 5 seconds for a hall call and 3 seconds for a car call. The car position indicator in the car shall provide visual and audible indication of when the car passes or stops at a floor.

The lifts are to be fully compliant with Accessibility to lifts for persons including persons with disability - EN 81-70.

2.12 *DRIVE MACHINES AND GOVERNOR*

A. Furnish and install new AC hoist machines, gearless type.

B. Replace all deflector Sheaves.

C. Replace existing Governor, Tension Sheave and Governor Cables.

D. Paint hoist machine, motor, brake assembly, and bedplate.

2.13 *CAR SHELL/INTERIORS*

A. Please refer to Annex 1 - BOQ for lift car interiors.

B. Provide “Top Emergency Exit” accessible for top of car with emergency switch per code if possible.

2.14 *SIGNAL FIXTURES AND ACCESSORIES*

A. Car Operating Panels shall comply with the **SANS 50081-20** and Accessibility to lifts for persons including persons with disability - EN 81-70.

B. Each COP shall include LED illuminated pushbuttons marked to correspond to the landings served, a "door open" button, and "door close" button. The floor pushbutton shall be illuminated when a call has been registered and shall remain illuminated until the car reaches the indicated floor. In the lower portion of the Main COP a Service Cabinet shall be provided and contain a key operated Car Light, Fan switch and Independent Service key switch. A fire service indicator light and blank keyed switch for future use shall be provided. Furnish and install a new “hands free” Communications Device in accordance with the Disabilities Act requirements.

C. A five-way communications device (intercom) shall be provided in each elevator cab, Command Centre, and elevator machine room. If the device is connected to the building power supply it shall automatically transfer to a source of emergency power within ten (10) seconds after the normal power supply fails and be capable of powering the communications system for a minimum of four (4) hours. The communications device shall be integral to the car stations and from the car be voice activated.
Tenderers are to measure the cable runs and allow for this cabling and connection of the Lifts to the Control room. This cable must be issued by the lift supplier to the electrical contractor who will install said cable, the terminations by lift supplier.

Further Intercom options to be considered and priced:

- Option of utilizing network-base intercom units which could connected to the SABC network
- Tenderers are also to include an option using GSM units, however these must be able to operate at all levels within the lift shaft.

D. An electrical digital position indicator shall be provided in all COP’s, and so arranged that as the car travels through the hoistway its position shall be indicated by illumination of a numeral corresponding to the landing at which the car is stopped or passing, it shall also include for special function messages to be displayed via this display, including “lift overloaded, lift held, lift under fire recall, lift under reservation service, lift out of service etc.” The digital position indicators shall be mounted in the upper portion of each car-operating panel.

E. Upon arriving at a floor, the new Voice Annunciate System shall announce the floor in which the elevator is sitting as well as the intended direction of travel. An audible signal (Floor Passing Chime) shall be provided to indicate to a passenger on the elevator car that the car is stopping or passing a floor.

F. A battery operated emergency car light device shall be installed which will automatically turn on and operate immediately after normal car lighting power fails. The lighting device shall be so installed in the car enclosure to provide an intensity of illumination as per **SANS 50081-20** in

front of the car operating device. The battery power shall be capable of maintaining the above referenced illumination for a period of not less than four (4) hours.

G. An emergency alarm bell shall be connected to a plainly marked pushbutton in the car-operating panel and to the battery operated emergency car light device.

H. Hall Call Pushbutton Stations: Each intermediate station shall consist of two illuminated pushbuttons, one for the up direction and the other for the down direction. Each terminal station shall contain an illuminated pushbutton. The buttons shall be illuminated to indicate that a call has been registered at that floor for the indicated direction. Stations shall be installed to comply with **SANS 50081-20** and Disabilities Act. The faceplate finishes shall be satin finish stainless steel and each faceplate shall include engraving as per **SANS 50081-20**.

2.15 *DOOR OPERATING EQUIPMENT*

A. Remove existing car door operators, headers, tracks, clutch, and accessories. Retain the existing Car Doors. Furnish and install new VVVF motor driven heavy-duty operator on all cars. The door operators shall be designed to operate the car and hoistway doors simultaneously. Door movements shall be electrically cushioned at both limits of travel. Doors shall automatically open when the car arrives at a landing and shall automatically close after an adjustable time interval or when the car is dispatched to another landing. The door operator shall be fully closed loop providing feedback and continuously monitor the position of the door throughout the door travel. The door operator shall be capable of applying more torque for heavy lobby doors and to handle varying hoistway wind conditions. Provide "Car Door Restrictors" to prevent the car doors from opening when the elevator is outside the "levelling zone."

B. Provide a new solid-state electronic detector, full length of the leading edge of the car doors, and designed to operate as described below:
   1. The doors will remain open as long as the electronic detector senses the presence of a passenger or object in the door opening. If door movement is obstructed for a predetermined time, a buzzer will sound, and the doors will close at reduced speed.

   2. If a passenger or object is detected during normal closing operation, the doors will immediately stop and reopen. Closing will be initiated one-half second after the passenger or object has been removed from the opening.

   3. The doors shall remain open for an adjustable time for a stop in response to a car call and a second variable time for a stop in response to a hall call. If the beams of the electronic detector are interrupted and re-established, door open time for a car stop and for a hall stop shall be reduced.

2.16 *CAR EQUIPMENT*

A. All lift car enclosures to be replaced as per Annex 1 - BOQ of each lift

B. All car safeties shall be replaced

C. Provide a Top of Car Emergency Exit with electrical switch. (If required)

D. Provide "Alarm" on Car Top.

E. Provide “Car Top Railing” per code.

2.17 *HOISTWAY EQUIPMENT*

A. Replace the existing Car and Counterweight roller guide assemblies or sliding shoe arrangements to achieve quiet and vibration free ride. Should the contractor wish to retain existing roller guides of sliding shoe arrangements, the existing should be reconditioned to a state as new.

B. The existing counterweight frames and weights shall be replaced

C. Each elevator shall be suitably counterbalanced for smooth and economical operation. Cast iron or steel plate weights shall be contained in a structural steel frame. The counterweight shall be equal to a complete elevator car and approximately 50% of the specified load. The existing counterweight frames and filler weights may be reused on the High Rise and Low Rise Lifts. Contractor is responsible for properly balancing the load.

D. Remove the existing hoistway slowdown and directional Limit Switches. New electric limit switches shall be placed in the hatchway near the terminal landings and be designed to cut off the electric current and stop the car should it run beyond either terminal landing.

E. The existing car and counterweight rails, brackets and fishplates shall be retained on the High Rise and Low Rise lifts, tighten any loose bolts and align rails as needed in order to produce a smooth ride. On all other lifts these are to be replaced with new guide rails, brackets and fishplates.

F. Tenderer to provide sill infill panels between the landing sills to the landing slabs. These infill panels must be able to withstand the screed and tiles that will be laid up to the lift landing sills. The infill panels must be able to cater for a distance of 150mm

2.18 *HOISTWAY ENTRANCES*

A. The hoistway door tracks, hanger rollers, closers, pick up rollers and interlock shall be replaced with new, be designed to prevent operation of the car away from the landing until the doors are locked in the closed position, as defined by Code. It also shall prevent opening of the doors at any landing from the corridor side, unless the car is at rest at that landing or is in the levelling zone and stopping at that landing. Interlocks shall have test type certification as per **SANS 50081-20**.

B. Hoistway door unlocking devices as specified by **SANS 50081-20** shall be provided to permit authorized persons to gain access to hoistway when elevator car is away from the landing.

C. Provide floor numbers, not less than 100mm in height on the hoistway side of the hoistway doors at intervals as per code.

2.19 *PIT EQUIPMENT*

A. Counterweight buffers, pit ladders and all other pit equipment shall comply with **SANS 50081-20**.

B. An emergency stop switch shall be provided in the elevator pit of each elevator. A stop switch shall be installed at the top of the ladder and at the bottom in accordance with Code. The switch shall be designed to cut off power to the elevator motor, apply the brake and bring the car to rest independent of the regular operating devices.

3.1 *PERFORMANCE*

The elevator system shall be required to meet the following performance criteria.

1. CONTROL
   a. Design and adjust the equipment and the control so that the acceleration over the total accelerating period is smooth and comfortable.

   b. Provide a shaft encoder as part of the operating system to accurately provide input signals to the control locating the exact position of the elevator within 5mm.

2. OPERATING TIME
   a Adjust the equipment to meet the times listed in the following chart:

Door Open	1.7
Door Close	2.8
Flight Time	10.5
Brake to Brake	6.5
Contract Speed +- 3%	As specified

b The following are criteria to be used when measuring the time durations:
   i. Brake-to-Brake time: Start measuring the time at the time the brake lifts and the car begins to travel to the next landing; stop measuring the time when the car is level at the next floor and the brake sets
   ii. Flight Time: Start to measure this time when the fully opened doors begin to close and continue to measure the time until the car is stopped level with the next floor and the car and hall doors are open to ¾ of their fully open position for centre opening doors or ½ open for side opening doors.
   iii. A typical floor shall be 3600mm.
   iv. Floor level is considered to be within 3mm of level.
   v. The time is measured with full load in the car and in both directions of travel.
   vi. The power door operation for the hall and car doors conforms to the elevator Code requirements.

c Adjust the equipment so that the operating speed in both directions of travel under load and no load conditions does not vary more than three (3%) percent.

d Adjust the equipment so that the operating time as set out above is compatible with dependable, consistent operation without undue wear on the equipment, can be

maintained without excessive maintenance and so that the operating time can be readily maintained over the life of the elevator installation.

e Adjust the equipment so that, with the control adjusted to give the required time, the elevator operates under smooth acceleration and retardation and provides a comfortable and agreeable ride to the passengers.

3. LEVELING
   a Cause the car to stop automatically at the floor level without overshooting, regardless of the load or direction of travel, so that the car sill is within 3mm of level with respect to the hoistway sill.
   b Correct for over-travel or under-travel or rope stretch by returning the car imperceptibly to the floor, Re-levelling shall not commence within the 3mm floor landing zone, above or below, with the doors in the open position. Re-levelling sequence of operation within this zone shall be initiated with the car doors in the closed position only.

4. DOOR TIME; DOOR OPERATION
   a. Arrange the doors to close with an average horizontal speed of no more than 0.3m/s.
   b. Arrange that the time necessary for the doors to operate as per the following:
      i. Opening: Start to measure when door starts to open and stop when fully open.
      ii. Closing: Start to measure when door starts to close and stop when door is fully closed.
      iii. Car & Hall Door Dwell Time: 3 seconds after stopping for a car call. Timer to be adjustable from 1 to 8 seconds, 5 seconds after stopping for a hall call. Adjust the hall call time as per ADA formula requirements.
      iv. Reduced Short Door Time: Initially adjusted to 1 second after interruption of the electric edge to be adjustable from 0 to 10 seconds.
      v. Lobby Door Time: Initially set per ADA code requirements. Timer to be adjustable to between 5 and 15 seconds.
      vi. Arrange that the door closing force, as measured when a door panel is stalled in the act of closing, does not exceed 30 lbs.
      vii. Arrange the equipment so that the increase in noise level over the ambient noise level as measured within the cab, does not exceed four decibels at any time during a full door open, door close and door reversal cycle.
      viii. Initiate the door reversal by interruption of the door detector.

5. BRAKE
   a. Arrange for the brake to be able to stop the elevator with full load in the car from full speed in the down direction within the normal stopping distance of the car without shock or jar.

   b. Test by turning the disconnect switch off under these conditions and measuring the resultant stopping distance.

   c. Adjust the brake to hold a minimum of 125% of the contract load.

   d. Design and adjust the brake to operate without discernible noise.

e. Adjust the brake to permit the brake to set after the car has stopped level at the floor on a normal stop for a car or floor call. Do not use the brake to assist in stopping the car at the floor on a normal stop.

6. SAFETY AND GOVERNOR TESTS
   a. Arrange the safety so that the car stops with both no load and full load, on a safety test, without excessive acceleration, without damage to the equipment and within Code requirements.

   b. Calibrate, test and seal the governor and document in accordance with Code requirements.

7. RIDE QUALITY
   a. The horizontal ride quality (left to right and front to back) shall be 20 mg's peak-to-peak or less.

   b. Ensure smooth quite operation in full travel, floor-to-floor runs and door operation.

4.1 WIRING

A. All wiring shall be new to ensure proper operation as set forth in this Contract/Specification. Some hoistway duct may be reused upon prior Consultant's approval.

5.1 MISCELLANEOUS WORK AND SCHEDULE

A. This Contract/Specification covers all work as to allow the steel sub-structure to compensate for some shafts that are bigger than the standard shaft sizes. Tenderer to supply and fit trimmer beams between lifts where applicable

B. All work shall be performed during regular working hours of regular working days as is customary in the elevator industry.

C. Prior to commencing work, a work schedule shall be submitted to Owner for approval.

D. Contractor shall confirm power, floor designation, emergency recall floors and dispatch floor locations, etc., prior to fabricating equipment.

E. Contractor shall provide all information, including necessary architectural and engineering in-formation, required by Owner to coordinate the design and interface work of other trades impacting the elevator work.

F. Procurement and installation schedule: Refer to Annex (This is to be completed by contractor at bidding stage)

G. Liquidated Damages:
   TBA

H. Payment Terms
   TBA

6.1 LIFT MANAGEMENT SYTEM

Tenderers to supply as an option a full Lift Management System that will incorporate the following:

A. Must be a Web-Based system that will enable to monitor, control, report and manage a full range of operational critical functions from any computer with an internal connection
B. Real time lift/escalator status including calls, door operation and travel movement
C. Instant notification of alarms and security events
D. Have the facility to playback operational information
E. The system must be able to produce lift traffic patterns and analysis
F. Must be able to monitor the following statuses and functions:
    - Equipment status
    - Performances
    - Floor accessibility
    - Operating conditions
    - Security Status
    - Equipment events
    - Historical performance status

Tenderers are to measure the cable runs and allow for this cabling and connection of from the Lifts to the Control room

6.2 BMS FACILITY

The lift control system will come prepared to provide BMS output signals with the following outputs:

1. Floor position
2. Door Open/Close
3. Car to Home
4. Car Homed
5. Moving up
6. Moving down
7. Power Supply available Y/N
8. Out of Service

BMS must be compatible with Johnson and Johnson system

7.1 CLEAN UP AND INSPECTION

A. Remove all debris resulting from work on this contract. Remove from project site all equipment and unused or removed materials and restore building and premises to neat, clean appearance.

B. All materials and workmanship shall be subject to inspection or testing. Owner shall have the right to reject defective or inferior material or workmanship and require correction of such without additional cost Owner.

8.1 PROGRAM

PLEASE NOTE, TENDERERS TO WORK WITHIN THE PROGRAM SCHEDULE BELOW:

- Procurement, including shop drawings ordering, manufacturing and delivery = Total of 34 weeks for all the lifts

- Total installation period for all the lifts = Total of 84 weeks

Tenderers to provide an overall procurement and installation program for all the lifts and escalators taking into consideration the Priority Schedule as stipulated on Annex 3 of this document, as part of the tender submission.

Note: The possibility of sectional completion may apply.

Tenderers must make sure that the correct resources are in place to achieve the above program. The last two High Rise Lifts and the last two Low Rise lifts can be done simultaneously.

BOQ for Replacement Lift Installation: Décor – Lift J

Certificate Number: JE6077

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement – Décor – Lift J

BASIC DATA			
Lift Type:	1 x Goods Passenger lift	**Cars in Group:**	One
Duty Load:	560kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	0.5m/s
Floor/Stop/Open:	2 Stops/ 2 Opening	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size 1000 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2

Procurement and installation program

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Installation of Lifts	
• Total Duration Phase 2	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaisons on this project:

. .

Tenderer is to list the installation teams or sub-contractors that will be involved with the lift installation on this project:

. .

TENDER PRICE SCHEDULE

Décor – Lift J

Item Description	Amount
Supply and install One Passenger Lift – as per specification	R
Strip-out of existing Unit	R
12 Months warrantee period	R
Rescue device	R
Tender amount excluding VAT:	R
15% VAT:	R
Total tender price including VAT:	R

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	R

Total Five Year SLA Maintenance cost for this Lift once the 12 months free service is complete	R

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: Décor – Lift K

Certificate Number: JE6078

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement – Décor Lift K

BASIC DATA			
Lift Type:	1 x Goods lift	**Cars in Group:**	One
Duty Load:	1680kg	**Speed:**	0.5m/s
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2

Procurement and installation program

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Installation of Lifts	
• Total Duration Phase 2	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaisons on this project:

. _____ .

Tenderer is to list the installation teams or sub-contractors that will be involved with the lift installation on this project:

. _____ .

TENDER PRICE SCHEDULE

Décor – Lift K

Item Description	Amount
Supply and install One Passenger Lift – as per specification	**R**
Strip-out of existing Unit	**R**
12 Months warrantee period	**R**
Rescue device	**R**
Tender amount excluding VAT:	**R**
15% VAT:	**R**
Total tender price including VAT:	**R**

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	**R**

Total Five Year SLA Maintenance cost for this Lift once the 12 months free service is complete	**R**

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	**R**	**£**	**R**
€ 1	**R**	**€**	**R**
USD 1	**R**	**USD**	**R**

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: GSM

Certificate Number: 01/L539

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement – GSM - 01/L539

BASIC DATA			
Lift Type:	1 x Passenger lift	**Cars in Group:**	One
Duty Load:	630kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	1.0m/s
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size 900 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2

Procurement and installation program

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Installation of Lifts	
• Total Duration Phase 2	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaisons on this project:

. _____ .

Tenderer is to list the installation teams or sub-contractors that will be involved with the lift installation on this project:

. _____ .

TENDER PRICE SCHEDULE

GSM

Item Description	Amount
Supply and install One Passenger Lift – as per specification	R
Strip-out of existing Unit	R
12 Months warrantee period	R
Rescue device	R
Tender amount excluding VAT:	R
15% VAT:	R
Total tender price including VAT:	R

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	R

Total Five Year SLA Maintenance cost for this Lift once the 12 months free service is complete	R

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: Henley Office Park – Lifts F & G

Certificate Number: JE6075, JE6076

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement: Henley Office Park – Lifts F & G

BASIC DATA			
Lift Type:	2 x Passenger lifts	**Cars in Group:**	Two car group
Duty Load:	1250kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	1.75m/s
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size 1000 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2

Procurement and installation program

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Installation of Lifts	
• Total Duration Phase 2	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaisons on this project:

. _____ .

Tenderer is to list the installation teams or sub-contractors that will be involved with the lift installation on this project:

. _____ .

TENDER PRICE SCHEDULE

Henley Office Park – Lifts F & G

Item Description	Amount
Supply and install One Passenger Lift – as per specification – Lift F	**R**
Supply and install One Passenger Lift – as per specification – Lift G	**R**
Strip-out of 2 existing Units	**R**
12 Months warrantee period for 2 lifts	**R**
Interim Maintenance	**R**
Rescue devices for 2 lifts	**R**
Tender amount excluding VAT:	**R**
15% VAT:	**R**
Total tender price including VAT:	**R**

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	**R**

Total Five Year SLA Maintenance cost for this Group of Lifts once the 12 months free service is complete	**R**

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: Henley Office Park – Lift H & I

Certificate Number: JE6073, JE6074

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement: Henley Office Park – Lift H & I

BASIC DATA			
Lift Type:	2 x Passenger lifts	**Cars in Group:**	Two car group
Duty Load:	1680kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	1.75m/s
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size 1000 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2

Procurement and installation program

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Installation of Lifts	
• Total Duration Phase 2	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaisons on this project:

. _____ .

Tenderer is to list the installation teams or sub-contractors that will be involved with the lift installation on this project:

. _____ .

TENDER PRICE SCHEDULE

Henley Office Park – Lift H & I

Item Description	Amount
Supply and install One Passenger Lift – as per specification - Lift H	R
Supply and install One Passenger Lift – as per specification - Lift I	R
Strip-out of 2 existing Units	R
12 Months warrantee period for 2 lifts	R
Interim Maintenance	R
Rescue device for 2 lifts	R
Tender amount excluding VAT:	R
15% VAT:	R
Total tender price including VAT:	R

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	R

Total Five Year SLA Maintenance cost for this Group of Lifts once the 12 months free service is complete	R

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: Parkade - Lifts M, N, O & P

Certificate Number: JE7530, JE7531, JE7540, JE7541

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement: Lifts M, N, O & P

BASIC DATA			
Lift Type:	4 x Passenger lifts	**Cars in Group:**	Four car group
Duty Load:	1000kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	1.6m/s
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size 1000 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2

Procurement and installation program

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Installation of Lifts	
• Total Duration Phase 2	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaisons on this project:

. _____ .

Tenderer is to list the installation teams or sub-contractors that will be involved with the lift installation on this project:

. _____ .

TENDER PRICE SCHEDULE

Parkade - Lifts M, N, O & P

Item Description	Amount
Supply and install One Passenger Lift – as per specification – Lift M	**R**
Supply and install One Passenger Lift – as per specification – Lift N	**R**
Supply and install One Passenger Lift – as per specification – Lift O	**R**
Supply and install One Passenger Lift – as per specification – Lift P	**R**
Strip-out of 4 existing Unit	**R**
12 Months warrantee period for 4 lifts	**R**
Interim Maintenance	**R**
Rescue devices for 4 lifts	**R**
Tender amount excluding VAT:	**R**
15% VAT:	**R**
Total tender price including VAT:	**R**

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	**R**

Total Five Year SLA Maintenance cost for this group of Lifts once the 12 months free service is complete	**R**

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: Radio Studios - Lift H14 & H15

Certificate Number: JE6098 & JE6099

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement: Radio Studios - Lift H14 & H15

BASIC DATA			
Lift Type:	2 x Passenger lifts	**Cars in Group:**	Two car group
Duty Load:	1190kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	1.0m/s
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size 1000 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2

Procurement and installation program

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Installation of Lifts	
• Total Duration Phase 2	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaisons on this project:

. _____ .

Tenderer is to list the installation teams or sub-contractors that will be involved with the lift installation on this project:

. _____ .

TENDER PRICE SCHEDULE

Radio Studios - Lift H14 & H15

Item Description	Amount
Supply and install One Passenger Lift – as per specification – Lift H14	**R**
Supply and install One Passenger Lift – as per specification – Lift H15	**R**
Strip-out of 2 existing Units	**R**
12 Months warrantee period for 2 lifts	**R**
Interim Maintenance	**R**
Rescue devices for 2 lifts	**R**
Tender amount excluding VAT:	**R**
15% VAT:	**R**
Total tender price including VAT:	**R**

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	**R**

Total Five Year SLA Maintenance cost for this group of Lifts once the 12 months free service is complete	**R**

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: Radio Studios - Lifts H16 & H17

Certificate Number: JE6100 & JE6101

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement: Radio Studios - Lifts H16 & H17

BASIC DATA			
Lift Type:	2 x Passenger lifts	**Cars in Group:**	Two car group
Duty Load:	1190kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	1.0m/s
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size 1000 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2

Procurement and installation program

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Installation of Lifts	
• Total Duration Phase 2	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaisons on this project:

. _____ .

Tenderer is to list the installation teams or sub-contractors that will be involved with the lift installation on this project:

. _____ .

TENDER PRICE SCHEDULE

Radio Studios - Lifts H16 & H17

Item Description	Amount
Supply and install One Passenger Lift – as per specification – Lift H16	**R**
Supply and install One Passenger Lift – as per specification – Lift H17	**R**
Strip-out of 2 existing Unit	**R**
12 Months warrantee period for 2 lifts	**R**
Interim Maintenance	**R**
Rescue devices for 2 lifts	**R**
Tender amount excluding VAT:	**R**
15% VAT:	**R**
Total tender price including VAT:	**R**

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	**R**

Total Five Year SLA Maintenance cost for this group of Lifts once the 12 months free service is complete	**R**

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: Radiopark Office Bock - Instrument Area – Lift H18

Certificate Number: JE5983

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement: Radiopark Office Bock - Instrument Area – Lift H18

BASIC DATA			
Lift Type:	1 x Goods Passenger lift	**Cars in Group:**	One
Duty Load:	2475kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	0.5m/s
Floor/Stop/Open:	3 Stops/ 4 Opening	**Rise:**	As per existing
Door Arrangement:	Through Entrance	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2

Procurement and installation program

Phase I - Approvals and Materials Procurement	Base Bid
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	Base Bid
• Installation of Lifts	
• Total Duration Phase 2	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaisons on this project:

. _____ .

Tenderer is to list the installation teams or sub-contractors that will be involved with the lift installation on this project:

. _____ .

TENDER PRICE SCHEDULE

Radiopark Office Bock - Instrument Area – Lift H18

Item Description	Amount
Supply and install One Passenger Lift – as per specification – Lift H18	**R**
Strip-out of existing Unit	**R**
12 Months warrantee period	**R**
Rescue device	**R**
Tender amount excluding VAT:	**R**
15% VAT:	**R**
Total tender price including VAT:	**R**

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	**R**

Total Five Year SLA Maintenance cost for this Lift once the 12 months free service is complete	**R**

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: Radiopark Office Bock - RBF

Certificate Number: 01/L2929

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement: Radiopark Office Bock - RBF

BASIC DATA			
Lift Type:	1 x Passenger lift	**Cars in Group:**	One
Duty Load:	1000kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	1.0m/s
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size 900 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2

Procurement and installation program

Phase I - Approvals and Materials Procurement	Base Bid
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	Base Bid
• Installation of Lifts	
• Total Duration Phase 2	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaisons on this project:

. _____ .

Tenderer is to list the installation teams or sub-contractors that will be involved with the lift installation on this project:

. _____ .

TENDER PRICE SCHEDULE

Radiopark Office Block – RBF

Item Description	Amount
Supply and install One Passenger Lift – as per specification – Lift RBF	**R**
Strip-out of existing Unit	**R**
12 Months warrantee period	**R**
Rescue device	**R**
Tender amount excluding VAT:	**R**
15% VAT:	**R**
Total tender price including VAT:	**R**

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	**R**

Total Five Year SLA Maintenance cost for this Lift once the 12 months free service is complete	**R**

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: Renascence – Lifts Q & R

Certificate Number: JE7193 (Lift R)

(JE7192 – LIFT TO BE REMOVED – Lift Q)

Site Address: Auckland Park

NOTE:

- **Tenderer to strip and remove Lift Q and will be responsible for all building works related to making good and closing the lift entrances once these are removed.**
- **Lift R is to be replaced with a 1000kg lift**

Annex 1 -BOQ

Complete Replacement of Lift R - This existing lift is 10000kg, this lift is now to be replaced by one 1000kg lift

BASIC DATA			
Lift Type:	1 x Goods lift	**Cars in Group:**	One
Duty Load:	1000kg **The existing lifts is 10000kg, this lift is now to be replaced by one 1000kg lift**	**Speed:**	1.0m/s
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel Please note this will be a Goods Type lift
Car Door Type:	Centre Opening or to suit existing shaft opening and size 1000 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load		
Opening:	1000 x 2100		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	New stainless steel splayed frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

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NOTE

- Tenderer to supply canvas pads
- **Tenderer to strip and remove Lift Q and will be responsible for all building works related to making good and closing the lift entrances once these are removed.**
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2

Procurement and installation program

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Installation of Lifts	
• Total Duration Phase 2	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaisons on this project:

. _____ .

Tenderer is to list the installation teams or sub-contractors that will be involved with the lift installation on this project:

. _____ .

TENDER PRICE SCHEDULE

Renascence – Lifts Q & R

Item Description	Amount
Supply and install One Passenger Lift – as per specification – Lift R	R
Strip-out of existing Unit – Lift R	R
12 Months warrantee period for 1 lift	R
Rescue device for 1 lift	R
Strip and remove Lift Q – costs to be included for all building works related to making good and closing the lift entrances once these are removed	R
Tender amount excluding VAT:	R
15% VAT:	R
Total tender price including VAT:	R

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	R

Total Five Year SLA Maintenance cost for this Lift once the 12 months free service is complete	R

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: TV Office - Lifts A, B, C & D

Certificate Number: JE7669, JE7670, JE7671 & JE7672

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement: TV Office - Lifts A, B, C & D

BASIC DATA			
Lift Type:	4 x Passenger lifts	**Cars in Group:**	Four car group
Duty Load:	1050kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	1.6m/s
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size 1000 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2

Procurement and installation program

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Installation of Lifts	
• Total Duration Phase 2	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaisons on this project:

. _____ .

Tenderer is to list the installation teams or sub-contractors that will be involved with the lift installation on this project:

. _____ .

TENDER PRICE SCHEDULE

TV Office - Lifts A, B, C & D

Item Description	Amount
Supply and install One Passenger Lift – as per specification – Lift A	R
Supply and install One Passenger Lift – as per specification – Lift B	R
Supply and install One Passenger Lift – as per specification – Lift C	R
Supply and install One Passenger Lift – as per specification – Lift D	R
Strip-out of 4 existing Units	R
12 Months warrantee period for 4 lifts	R
Interim Maintenance	R
Rescue devices for 4 lifts	R
Tender amount excluding VAT:	R
15% VAT:	R
Total tender price including VAT:	R

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	R

Total Five Year SLA Maintenance cost for this group of Lifts once the 12 months free service is complete	R

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: TV Office Block – Lift E – FIREMANS LIFT

Certificate Number: JE7673

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement: TV Office Block – Lift E – This lift is to be a Firemans Lift

BASIC DATA			
Lift Type:	1 x Goods Passenger/Firemans lift	**Cars in Group:**	One
Duty Load:	1425kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	1.75m/s
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size 1000 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2

Procurement and installation program

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Installation of Lifts	
• Total Duration Phase 2	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaisons on this project:

. _____ .

Tenderer is to list the installation teams or sub-contractors that will be involved with the lift installation on this project:

. _____ .

TENDER PRICE SCHEDULE

TV Office Block – Lift E

Item Description	Amount
Supply and install One Goods Passenger/Firemans Lift – as per specification – Lift E	**R**
Strip-out of existing Unit	**R**
12 Months warrantee period	**R**
Rescue device	**R**
Tender amount excluding VAT:	**R**
15% VAT:	**R**
Total tender price including VAT:	**R**

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	**R**

Total Five Year SLA Maintenance cost for this Lift once the 12 months free service is complete	**R**

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: TV Office – Lift L

Certificate Number: 01/3544

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement: TV Office – Lift L

BASIC DATA			
Lift Type:	1 x Passenger lift	**Cars in Group:**	One
Duty Load:	1000kg	**Speed:**	1.0m/s
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size 1000 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2

Procurement and installation program

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Installation of Lifts	
• Total Duration Phase 2	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaisons on this project:

. _____ .

Tenderer is to list the installation teams or sub-contractors that will be involved with the lift installation on this project:

. _____ .

TENDER PRICE SCHEDULE

TV Office – Lift L

Item Description	Amount
Supply and install One Passenger Lift – as per specification – Lift L	R
Strip-out of existing Unit	R
12 Months warrantee period	R
Rescue device	R
Tender amount excluding VAT:	R
15% VAT:	R
Total tender price including VAT:	R

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	R

Total Five Year SLA Maintenance cost for this Lift once the 12 months free service is complete	R

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: RADIO PARK GOODS LIFT - STORES

Certificate Number: JE 5178

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement

BASIC DATA			
Lift Type:	1 x Goods lift	**Cars in Group:**	One
Duty Load:	8000kg	**Speed:**	0.3m/s
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	**NOTE: The existing door gear is Bi-Parting type equipment; this will need to be replaced by similar type door equipment. Should the tenderer choice to change with a different configuration, the existing door opening must be retained.**	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Stainless Steel Chequer Plate	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Bumper rails on all three sides	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load		
Opening:	As per existing **NOTE: The existing door gear is Bi-Parting type equipment; this will need to be replaced by similar type door equipment. Should the tenderer choice to change with a different configuration, the existing door opening must be retained.**		
Pit:	As per existing		
Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2
Procurement and installation program

Remove the existing lift and replace with one complete new lift, existing landing frames to be retained and cladded in stainless steel

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Replacement of 1st lift	
• Complete Punch List	
Total Duration Phase II	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaison on this project:

. _____ .

TENDER PRICE SCHEDULE

Radio Park – Goods Lift - Stores

Item Description	Amount
Supply and install One Goods Lift – as per specification - Stores	R
Strip-out of 1 existing Unit	R
12 Months warrantee period for 1 lift	R
Rescue device for 1 lift	R
Tender amount excluding VAT:	R
15% VAT:	R
Total tender price including VAT:	R

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Lift	R

Total Five Year SLA Maintenance cost for this Lift once the 12 months free service is complete	R

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: Radio Park - Parking Lifts S & T

Certificate Number: JE7684 & JE7685

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement

BASIC DATA			
Lift Type:	2 x Parking Passenger lifts	**Cars in Group:**	Two car group
Duty Load:	1000kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	1.6m/s
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size 1000 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2
Procurement and installation program

Remove the two existing lifts and replace with two complete new lifts, existing landing frames to be retained and cladded in stainless steel

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Replacement of 1st lift	
• Complete Punch List	
• Replacement of 2nd lift	
• Complete Punch List	
Total Duration Phase II	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaison on this project:

. _____ .

TENDER PRICE SCHEDULE

Radio Park – Lift S & T

Item Description	Amount
Supply and install One Passenger Lift – as per specification - Lift S	**R**
Supply and install One Passenger Lift – as per specification - Lift T	**R**
Strip-out of 2 existing Units	**R**
12 Months warrantee period for 2 lifts	**R**
Interim Maintenance	**R**
Rescue device for 2 lifts	**R**
Tender amount excluding VAT:	**R**
15% VAT:	**R**
Total tender price including VAT:	**R**

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	**R**

Total Five Year SLA Maintenance cost for this group of Lifts once the 12 months free service is complete	**R**

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: Radio Park - Lift H11 – Goods Lift

Certificate Number: JE5307

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement

BASIC DATA			
Lift Type:	1 x Goods lift	**Cars in Group:**	One
Duty Load:	1890kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	3.5m/s
Floor/Stop/Open:	34 Stops/ 34 Opening	**Rise:**	As per existing
Door Arrangement:	Single Entrance	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

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NOTE

- **TENDERERS TO PRICE RETAINING THE EXISTING GUIDE RAILS AS THE MAIN OPTION**
- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2
Procurement and installation program

Remove the existing lift and replace with one complete new lift, existing landing frames to be retained and cladded in stainless steel

NOTE: EXISTING GUIDE RAILS TO BE RETAINED

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Replacement of 1st lift	
• Complete Punch List	
Total Duration Phase II	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaison on this project:

. _____ .

TENDER PRICE SCHEDULE

Radio Park – Goods Lift H11
Guide rails to be retained

Item Description	Amount
Supply and install One Goods Lift – as per specification - Lift H11	**R**
Strip-out of 1 existing Units	**R**
12 Months warrantee period for 1 lifts	**R**
Rescue device for 1 lifts	**R**
Tender amount excluding VAT:	**R**
15% VAT:	**R**
Total tender price including VAT:	**R**

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Goods Lift	**R**

Total Five Year SLA Maintenance cost for this Lift once the 12 months free service is complete	**R**

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: Radio Park - Lift H12 – Firemans Lift

Certificate Number: JE5308

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement

BASIC DATA			
Lift Type:	1 x Goods/Firemans lift	**Cars in Group:**	One
Duty Load:	1890kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	3.5m/s
Floor/Stop/Open:	34 Stops/ 34 Opening	**Rise:**	As per existing
Door Arrangement:	Single Entrance	**Operation Control:**	Full Collective Operation Conventional system
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- **TENDERERS TO PRICE RETAINING THE EXISTING GUIDE RAILS AS THE MAIN OPTION**
- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2
Procurement and installation program

Remove the existing lift and replace with one complete new lift, existing landing frames to be retained and cladded in stainless steel

NOTE: EXISTING GUIDE RAILS TO BE RETAINED

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Replacement of 1st lift	
• Complete Punch List	
Total Duration Phase II	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaison on this project:

. _____ .

TENDER PRICE SCHEDULE

Radio Park – Goods/Firemans Lift H12
Guide rails to be retained

Item Description	Amount
Supply and install One Goods/Firemans Lift – as per specification - Lift H12	R
Strip-out of 1 existing Units	R
12 Months warrantee period for 1 lifts	R
Rescue device for 1 lifts	R
Tender amount excluding VAT:	R
15% VAT:	R
Total tender price including VAT:	R

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Goods Lift	R

Total Five Year SLA Maintenance cost for this Lift once the 12 months free service is complete	R

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: Radio Park – Low Rise Lifts

Lifts - A, B, C, D, E

Certificate Number: JE5297, JE5298, JE5299, JE5300, JE5301

Site Address: Auckland Park

Annex 1 - BOQ

Complete Replacement

BASIC DATA			
Lift Type:	5 x Passenger lifts – Low Rise	**Cars in Group:**	Five car group – Low Rise
Duty Load:	1610kg The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	3.5 m/s – Low Rise
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	**Destination Despatching**
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size 1000 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

(1)Summary is just a brief outline to give general scope of work. If a discrepancy exists between the summary and body of the technical specifications, or if an item is not included in the summary, the body of the technical specifications will take precedence

NOTE

- **TENDERERS TO PRICE RETAINING THE EXISTING GUIDE RAILS AS THE MAIN OPTION**
- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2
Procurement and installation program

Remove the five existing lifts and replace with five complete new lifts, existing landing frames to be retained and cladded in stainless steel

NOTE: EXISTING GUIDE RAILS TO BE RETAINED

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Replacement of 1st lift	
• Complete Punch List	
• Replacement of 2nd lift	
• Complete Punch List	
• Replacement of 3rd lift	
• Complete Punch List	
• Replacement of 4th lift	
• Complete Punch List	
• Replacement of 5th lift	
• Complete Punch List	
Total Duration Phase II	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaison on this project:

. _____ .

TENDER PRICE SCHEDULE

Radio Park – Low Rise Lifts – A, B, C, D & E
Guide rails to be retained

Item Description	Amount
Supply and install Low Rise Passenger Lift – as per specification - Lift A	R
Supply and install Low Rise Passenger Lift – as per specification - Lift A	R
Supply and install Low Rise Passenger Lift – as per specification - Lift A	R
Supply and install Low Rise Passenger Lift – as per specification - Lift A	R
Supply and install Low Rise Passenger Lift – as per specification - Lift A	R
Strip-out of 5 existing Units	R
12 Months warrantee period for 5 lifts	R
Interim Maintenance	R
Tender amount excluding VAT:	R
15% VAT:	R
Total tender price including VAT:	R

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	R

Total Five Year SLA Maintenance cost for the 5 Low Rise Lifts once the last group of lifts 12 months free service is complete	R

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

BOQ for Replacement Lift Installation: Radio Park – High Rise Lifts

Lifts F, G, H, I, J

Certificate Number: JE 5302, JE 5303, JE 5304, JE 5305, JE 5306

Site Address: SABC Auckland Park

Annex 1 - BOQ

Complete Replacement

BASIC DATA			
Lift Type:	5 x Passenger lifts – High Rise	**Cars in Group:**	Five car group – High Rise
Duty Load:	The offer is to supply the same size lifts to fit in existing lift shaft	**Speed:**	5.0 m/s – High Rise
Floor/Stop/Open:	As per existing	**Rise:**	As per existing
Door Arrangement:	Single entrance on all floors	**Operation Control:**	**Destination Despatching**
Power:	380 V	**Frequency:**	50 Hz
Lighting:	220 V	**Power Fluctuation:**	±10%
Power Phase:	3 Phases		

Car Aesthetic			
Car Enclosure:	Passenger Lifts Lift car sizes to match existing	**Cab Enclosure Finish:**	Hairline Stainless Steel
Car Door Type:	Centre Opening or to suit existing shaft opening and size 1000 x 2100	**Car Door Finish:**	Hairline Stainless Steel
Ceiling Finish:	As per supplier catalogue (St/steel)	**Door Protection:**	Infra-red Curtain Door Protection
Car Floor Type:	Rubber flooring	**Car Indicators:**	LCD/LED
Car Floor Recess:	No	**COP Location:**	Left Front, standing inside car facing out
Handrail Type:	Rear and on the two sides. As per supplier catalogue	**COP Panel Finish:**	Hairline Stainless Steel
Mirrors:	Rear above handrail	**Car Button Type:**	Micro push, stainless steel (Catalogue)

Layout Data			
Hoistway Dimension: **Width x Depth**	As per existing		
Head room:	As per existing		
Cabin Dimension:	To suit load and current shaft size		
Opening:	As per existing		
Pit:	As per existing		

Hall Data			
Service Floor Mark:	As per existing		
Lobby:	G		
Hall Button Type:	Micro push, stainless steel (Catalogue)		
Landing Door Panel:	Hairline Stainless Steel		
Architrave Type:	The existing frames are to be retained, re-cladding in stainless steel and it has to be full depth frames		
Hall Box & HPI:	LCD/LED Hairline Stainless Steel		

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NOTE

- **TENDERERS TO PRICE RETAINING THE EXISTING GUIDE RAILS AS THE MAIN OPTION**
- Tenderer to supply canvas pads
- **TENDERERS TO SUBMIT A MONTH-TO-MONTH MAINTENANCE PRICE POST THE 12 MONTHS FREE SERVICE. THIS MONTH-TO MONTH MAINTENANCE WILL BE IN PLACE UNTIL THE LAST GROUP OF LIFTS HAVE COMPLETED THEIR 12 MONTHS FREE SERVICE, AT WHICH POINT THE CLIENT WILL ENTER INTO A 5 YEAR SLA AGREEMENT – THIS COST WILL NEED TO BE NOTED ON THE PRICE SCHEDULE. PRICES TO EXCLUDE VAT**

Annex 2
Procurement and installation program

Remove the five existing lifts and replace with five complete new lifts, existing landing frames to be retained and cladded in stainless steel

NOTE: EXISTING GUIDE RAILS TO BE RETAINED

Phase I - Approvals and Materials Procurement	**Base Bid**
• Shop Drawings	
• Shop Drawing Approval	
• Manufacturing	
• Deliver Material/Prep Work	
• Total Duration Phase I	

Phase II – Shut Down Period	**Base Bid**
• Replacement of 1st lift	
• Complete Punch List	
• Replacement of 2nd lift	
• Complete Punch List	
• Replacement of 3rd lift	
• Complete Punch List	
• Replacement of 4th lift	
• Complete Punch List	
• Replacement of 5th lift	
• Complete Punch List	
Total Duration Phase II	
Total Project Duration:	

Tenderer is to list the site project manager/supervisor who will be responsible for all liaison on this project:

TENDER PRICE SCHEDULE

Radio Park – High Rise Lifts – F, G, H, I & J
Guide rails to be retained

Item Description	Amount
Supply and install High Rise Passenger Lift – as per specification - Lift F	R
Supply and install High Rise Passenger Lift – as per specification - Lift G	R
Supply and install High Rise Passenger Lift – as per specification - Lift H	R
Supply and install High Rise Passenger Lift – as per specification - Lift I	R
Supply and install High Rise Passenger Lift – as per specification - Lift J	R
Strip-out of 5 existing Units	R
12 Months warrantee period for 5 lifts	R
Interim Maintenance	R
Tender amount excluding VAT:	R
15% VAT:	R
Total tender price including VAT:	R

Total tender price including VAT in words: _____

_____

Monthly maintenance after the 12 months free service period per lift per month - Month-to-Month costs	
Per Passenger Lift	R

Total Five Year SLA Maintenance cost for the 5 High Rise Lifts once the last group of lifts 12 months free service is complete	R

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

TENDERER TO NOTE BELOW ANY DIVIATIONS OR QUALIFICATIONS TO THIS TENDER

Price for Elevator Management System – per lift

Unit Numbers	Type of units	Lift Symbol	Lift Registration number	Location	Elevator Management System per lift
Décor JE 6077	Lift	J	JE6077	Henley Office Block	**R**
Décor JE 6078	Lift	K	JE6078	Henley Office Block	**R**
GSM 01/L539	Lift	GSM	01/L539	Henley Office Block	**R**
Henley (TV) JE 6075	Lift	F	JE6075	Henley Office Park	**R**
Henley (TV) JE 6076	Lift	G	JE6076	Henley Office Park	**R**
Henley (TV) JE 6074	Lift	H	JE6074	Henley Office Park	**R**
Henley (TV) JE 6073	Lift	I	JE6073	Henley Office Park	**R**
Parkade JE 7530	Lift	O	JE7530	TV Parkade	**R**
Parkade JE 7531	Lift	P	JE7531	TV Parkade	**R**
Parkade JE 7541	Lift	M	JE7541	TV Parkade	**R**
Parkade JE 7540	Lift	N	JE7540	TV Parkade	**R**
Radio Studios JE 6098	Lift	H14	JE6098	RADIOPARK OFFIC E BLOCK	**R**
Radio Studios JE 6099	Lift	H15	JE6099	RADIOPARK OFFIC E BLOCK	**R**
Radio Studios JE 6100	Lift	H16	JE6100	RADIOPARK OFFIC E BLOCK	**R**
Radio Studios JE 6101	Lift	H17	JE6101	RADIOPARK OFFIC E BLOCK	**R**
Instrument JE 5983	Lift	H18	JE5983	RADIOPARK OFFIC E BLOCK	**R**
Radio Park Office 01/L2929	Lift	RBF	01/L2929	RADIOPARK OFFIC E BLOCK	**R**
Renascence JE 7193	Lift	R	JE7192	Henly Office Park décor	**R**
TV 14 (Ancilliary) JE 7669	Lift	A	JE7669	Television Office Block	**R**
TV 14 (Ancilliary) JE 7670	Lift	B	JE7670	Television Office Block	**R**
TV 14 (Ancilliary) JE 7671	Lift	C	JE7671	Television Office Block	**R**
TV 14 (Ancilliary) JE 7672	Lift	D	JE7672	Television Office Block	**R**
TV Office Park JE 7673	Lift	E	JE7673	Television Ofice Block	**R**
Television Office 01/L3544	Lift	L	01/L3544	Television Office Block	**R**

Price for Elevator Management System – per lift continue

Unit Numbers	Type of units	Lift Symbol	Lift Registration number	Location	Elevator Management System per lift
Low rise JE 5297	Low Rise Lift	A	JE5297	RADIOPARK OFFICE BLOCK	**R**
Low rise JE 5298	Low Rise Lift	B	JE5298	RADIOPARK OFFICE BLOCK	**R**
Low rise JE 5299	Low Rise Lift	C	JE5299	RADIOPARK OFFICE BLOCK	**R**
Low rise JE 5300	Low Rise Lift	D	JE5300	RADIOPARK OFFICE BLOCK	**R**
Low rise JE 5301	Low Rise Lift	E	JE5301	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5302	High Rise Lift	F	JE5302	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5303	High Rise Lift	G	JE5303	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5304	High Rise Lift	H	JE5304	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5305	High Rise Lift	I	JE5305	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5306	High Rise Lift	J	JE5306	RADIOPARK OFFICE BLOCK	**R**
Goods lift JE 5307	Lift	H11	JE5307	RADIOPARK OFFICE BLOCK	**R**
Goods lift JE 5308	Lift	H12	JE5308	RADIOPARK OFFICE BLOCK	**R**
Stores JE 5178	Lift	Stores	JE5178	RADIOPARK OFFICE BLOCK	**R**
Entrance PE 7684	Lift	S	JE7684	RADIOPARK OFFICE BLOCK	**R**
Entrance PE 7685	Lift	T	JE7685	RADIOPARK OFFICE BLOCK	**R**

Total Elevator Management System Cost

Item Description	Amount
Option for complete Lift Management System	**R**
Tender amount excluding VAT:	**R**
15% VAT:	**R**
Total tender price including VAT:	**R**

Total tender price including VAT in words: _____

_____

Curency	Exchange rate at time of tender	Material costs in foreign currency	Material costs in Rands
£1	R	£	R
€ 1	R	€	R
USD 1	R	USD	R

Month to Month Maintenance cost Schedule after 12 months free service

Per Lift per month

Unit Numbers	Type of units	Lift Symbol	Lift Registration number	Location	Month to Month Maintenance cost per lift
Décor JE 6077	Lift	J	JE6077	Henley Office Block	**R**
Décor JE 6078	Lift	K	JE6078	Henley Office Block	**R**
GSM 01/L539	Lift	GSM	01/L539	Henley Office Block	**R**
Henley (TV) JE 6075	Lift	F	JE6075	Henley Office Park	**R**
Henley (TV) JE 6076	Lift	G	JE6076	Henley Office Park	**R**
Henley (TV) JE 6074	Lift	H	JE6074	Henley Office Park	**R**
Henley (TV) JE 6073	Lift	I	JE6073	Henley Office Park	**R**
Parkade JE 7530	Lift	O	JE7530	TV Parkade	**R**
Parkade JE 7531	Lift	P	JE7531	TV Parkade	**R**
Parkade JE 7541	Lift	M	JE7541	TV Parkade	**R**
Parkade JE 7540	Lift	N	JE7540	TV Parkade	**R**
Radio Studios JE 6098	Lift	H14	JE6098	RADIOPARK OFFIC E BLOCK	**R**
Radio Studios JE 6099	Lift	H15	JE6099	RADIOPARK OFFIC E BLOCK	**R**
Radio Studios JE 6100	Lift	H16	JE6100	RADIOPARK OFFIC E BLOCK	**R**
Radio Studios JE 6101	Lift	H17	JE6101	RADIOPARK OFFIC E BLOCK	**R**
Instrument JE 5983	Lift	H18	JE5983	RADIOPARK OFFIC E BLOCK	**R**
Radio Park Office 01/L2929	Lift	RBF	01/L2929	RADIOPARK OFFIC E BLOCK	**R**
Renascence JE 7193	Lift	R	JE7192	Henly Office Park décor	**R**
TV 14 (Ancilliary) JE 7669	Lift	A	JE7669	Television Office Block	**R**
TV 14 (Ancilliary) JE 7670	Lift	B	JE7670	Television Office Block	**R**
TV 14 (Ancilliary) JE 7671	Lift	C	JE7671	Television Office Block	**R**
TV 14 (Ancilliary) JE 7672	Lift	D	JE7672	Television Office Block	**R**
TV Office Park JE 7673	Lift	E	JE7673	Television Ofice Block	**R**
Television Office 01/L3544	Lift	L	01/L3544	Television Office Block	**R**

Month to Month Maintenance cost Schedule after 12 months free service – continue

Per lift per month

Unit Numbers	Type of units	Lift Symbol	Lift Registration number	Location	Month to Month Maintenance cost per lift
Low rise JE 5297	Low Rise Lift	A	JE5297	RADIOPARK OFFICE BLOCK	**R**
Low rise JE 5298	Low Rise Lift	B	JE5298	RADIOPARK OFFICE BLOCK	**R**
Low rise JE 5299	Low Rise Lift	C	JE5299	RADIOPARK OFFICE BLOCK	**R**
Low rise JE 5300	Low Rise Lift	D	JE5300	RADIOPARK OFFICE BLOCK	**R**
Low rise JE 5301	Low Rise Lift	E	JE5301	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5302	High Rise Lift	F	JE5302	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5303	High Rise Lift	G	JE5303	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5304	High Rise Lift	H	JE5304	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5305	High Rise Lift	I	JE5305	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5306	High Rise Lift	J	JE5306	RADIOPARK OFFICE BLOCK	**R**
Goods lift JE 5307	Lift	H11	JE5307	RADIOPARK OFFICE BLOCK	**R**
Goods lift JE 5308	Lift	H12	JE5308	RADIOPARK OFFICE BLOCK	**R**
Stores JE 5178	Lift	Stores	JE5178	RADIOPARK OFFICE BLOCK	**R**
Entrance PE 7684	Lift	S	JE7684	RADIOPARK OFFICE BLOCK	**R**
Entrance PE 7685	Lift	T	JE7685	RADIOPARK OFFICE BLOCK	**R**

Five Year SLA Maintenance cost Schedule after the 12 months free service

Per lift per month

Unit Numbers	Type of units	Lift Symbol	Lift Registration number	Location	Five Year SLA Maintenance costs
Décor JE 6077	Lift	J	JE6077	Henley Office Block	**R**
Décor JE 6078	Lift	K	JE6078	Henley Office Block	**R**
GSM 01/L539	Lift	GSM	01/L539	Henley Office Block	**R**
Henley (TV) JE 6075	Lift	F	JE6075	Henley Office Park	**R**
Henley (TV) JE 6076	Lift	G	JE6076	Henley Office Park	**R**
Henley (TV) JE 6074	Lift	H	JE6074	Henley Office Park	**R**
Henley (TV) JE 6073	Lift	I	JE6073	Henley Office Park	**R**
Parkade JE 7530	Lift	O	JE7530	TV Parkade	**R**
Parkade JE 7531	Lift	P	JE7531	TV Parkade	**R**
Parkade JE 7541	Lift	M	JE7541	TV Parkade	**R**
Parkade JE 7540	Lift	N	JE7540	TV Parkade	**R**
Radio Studios JE 6098	Lift	H14	JE6098	RADIOPARK OFFIC E BLOCK	**R**
Radio Studios JE 6099	Lift	H15	JE6099	RADIOPARK OFFIC E BLOCK	**R**
Radio Studios JE 6100	Lift	H16	JE6100	RADIOPARK OFFIC E BLOCK	**R**
Radio Studios JE 6101	Lift	H17	JE6101	RADIOPARK OFFIC E BLOCK	**R**
Instrument JE 5983	Lift	H18	JE5983	RADIOPARK OFFIC E BLOCK	**R**
Radio Park Office 01/L2929	Lift	RBF	01/L2929	RADIOPARK OFFIC E BLOCK	**R**
Renascence JE 7193	Lift	R	JE7192	Henly Office Park décor	**R**
TV 14 (Ancilliary) JE 7669	Lift	A	JE7669	Television Office Block	**R**
TV 14 (Ancilliary) JE 7670	Lift	B	JE7670	Television Office Block	**R**
TV 14 (Ancilliary) JE 7671	Lift	C	JE7671	Television Office Block	**R**
TV 14 (Ancilliary) JE 7672	Lift	D	JE7672	Television Office Block	**R**
TV Office Park JE 7673	Lift	E	JE7673	Television Ofice Block	**R**
Television Office 01/L3544	Lift	L	01/L3544	Television Office Block	**R**

Five Year SLA Maintenance cost Schedule after the 12 months free service- continue

Per lift per month

Unit Numbers	Type of units	Lift Symbol	Lift Registration number	Location	Five Year SLA Maintenance costs
Low rise JE 5297	Low Rise Lift	A	JE5297	RADIOPARK OFFICE BLOCK	**R**
Low rise JE 5298	Low Rise Lift	B	JE5298	RADIOPARK OFFICE BLOCK	**R**
Low rise JE 5299	Low Rise Lift	C	JE5299	RADIOPARK OFFICE BLOCK	**R**
Low rise JE 5300	Low Rise Lift	D	JE5300	RADIOPARK OFFICE BLOCK	**R**
Low rise JE 5301	Low Rise Lift	E	JE5301	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5302	High Rise Lift	F	JE5302	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5303	High Rise Lift	G	JE5303	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5304	High Rise Lift	H	JE5304	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5305	High Rise Lift	I	JE5305	RADIOPARK OFFICE BLOCK	**R**
High rise JE 5306	High Rise Lift	J	JE5306	RADIOPARK OFFICE BLOCK	**R**
Goods lift JE 5307	Lift	H11	JE5307	RADIOPARK OFFICE BLOCK	**R**
Goods lift JE 5308	Lift	H12	JE5308	RADIOPARK OFFICE BLOCK	**R**
Stores JE 5178	Lift	Stores	JE5178	RADIOPARK OFFICE BLOCK	**R**
Entrance PE 7684	Lift	S	JE7684	RADIOPARK OFFICE BLOCK	**R**
Entrance PE 7685	Lift	T	JE7685	RADIOPARK OFFICE BLOCK	**R**

Annex 3 – Priority Schedule

Unit Numbers	Type of units	Lift Symbol	Lift Registration number	Location	Priority
Décor JE 6077	Lift	J	JE6077	Henley Office Block	3
Décor JE 6078	Lift	K	JE6078	Henley Office Block	3
GSM 01/L539	Lift	GSM	01/L539	Henley Office Block	4
Henley (TV) JE 6075	Lift	F	JE6075	Henley Office Park	1
Henley (TV) JE 6076	Lift	G	JE6076	Henley Office Park	2
Henley (TV) JE 6074	Lift	H	JE6074	Henley Office Park	1
Henley (TV) JE 6073	Lift	I	JE6073	Henley Office Park	2
Parkade JE 7530	Lift	O	JE7530	TV Parkade	1
Parkade JE 7531	Lift	P	JE7531	TV Parkade	2
Parkade JE 7541	Lift	M	JE7541	TV Parkade	1
Parkade JE 7540	Lift	N	JE7540	TV Parkade	2
Radio Studios JE 6098	Lift	H14	JE6098	RADIOPARK OFFIC E BLOCK	3
Radio Studios JE 6099	Lift	H15	JE6099	RADIOPARK OFFIC E BLOCK	3
Radio Studios JE 6100	Lift	H16	JE6100	RADIOPARK OFFIC E BLOCK	3
Radio Studios JE 6101	Lift	H17	JE6101	RADIOPARK OFFIC E BLOCK	3
Instrument JE 5983	Lift	H18	JE5983	RADIOPARK OFFIC E BLOCK	3
Radio Park Office 01/L2929	Lift	RBF	01/L2929	RADIOPARK OFFIC E BLOCK	4
Renascence JE 7193	Lift	R	JE7192	Henly Office Park décor	1
TV 14 (Ancilliary) JE 7669	Lift	A	JE7669	Television Office Block	2
TV 14 (Ancilliary) JE 7670	Lift	B	JE7670	Television Office Block	2
TV 14 (Ancilliary) JE 7671	Lift	C	JE7671	Television Office Block	2
TV 14 (Ancilliary) JE 7672	Lift	D	JE7672	Television Office Block	2
TV Office Park JE 7673	Lift	E	JE7673	Television Ofice Block	1
Television Office 01/L3544	Lift	L	01/L3544	Television Office Block	4

PRIORITY STATUS	1	**HIGH**
PRIORITY STATUS	2	**MEDIUM TO HIGH**
PRIORITY STATUS	3	**MEDUIM**
PRIORITY STATUS	4	**LOW**

Annex 3 – Priority Schedule – continue

Unit Numbers	Type of units	Lift Symbol	Lift Registration number	Location	Priority
Low rise JE 5297	Low Rise Lift	A	JE5297	RADIOPARK OFFICE BLOCK	3
Low rise JE 5298	Low Rise Lift	B	JE5298	RADIOPARK OFFICE BLOCK	1
Low rise JE 5299	Low Rise Lift	C	JE5299	RADIOPARK OFFICE BLOCK	1
Low rise JE 5300	Low Rise Lift	D	JE5300	RADIOPARK OFFICE BLOCK	3
Low rise JE 5301	Low Rise Lift	E	JE5301	RADIOPARK OFFICE BLOCK	3
High rise JE 5302	High Rise Lift	F	JE5302	RADIOPARK OFFICE BLOCK	1
High rise JE 5303	High Rise Lift	G	JE5303	RADIOPARK OFFICE BLOCK	3
High rise JE 5304	High Rise Lift	H	JE5304	RADIOPARK OFFICE BLOCK	3
High rise JE 5305	High Rise Lift	I	JE5305	RADIOPARK OFFICE BLOCK	3
High rise JE 5306	High Rise Lift	J	JE5306	RADIOPARK OFFICE BLOCK	1
Goods lift JE 5307	Lift	H11	JE5307	RADIOPARK OFFICE BLOCK	1
Goods lift JE 5308	Lift	H12	JE5308	RADIOPARK OFFICE BLOCK	1
Stores JE 5178	Lift	Stores	JE5178	RADIOPARK OFFICE BLOCK	2
Entrance PE 7684	Lift	S	JE7684	RADIOPARK OFFICE BLOCK	2
Entrance PE 7685	Lift	T	JE7685	RADIOPARK OFFICE BLOCK	2

PRIORITY STATUS	1	**HIGH**
PRIORITY STATUS	2	**MEDIUM TO HIGH**
PRIORITY STATUS	3	**MEDUIM**
PRIORITY STATUS	4	**LOW**

Declaration:

By the submission of this tender, the tenderer declares and agrees to contract for, execute and complete the works as per this tender specification, for the tender sum as stated above should the tenderer be successful in being awarded the project.

Please note that tenderers are to initial every page of this document.

Signed at _____ on this the ____ day of _____ 20___

COMPANY: _____

_____
Authorized Signature

_____
Print Name and Title