



**TERMS OF REFERENCE REPAIRS AND
WATERPROOFING OF THE ROOF
SHEETING, INTERNAL AND EXTENAL
PAINTING OF HOUSE, GUARDHOUSE AND
BOUNDARY WALL , SERVICING, REPAIR
BOX GUTTERS, DOWN PIPES, WOOD WORK
(WINDOW, DOOR AND FRAMES) REPLACED
FASCIA BOARDS AND EVES CEILING,
REPAIR EXTERNAL PAVING, REWIRE
GARDEN ,BOUNDARY WALL AND SECURITY
MEASURE LIGHTS, BALANCE 3 PHASE AND
PROVIDE COC AND REPLACEMENT OF
FAULTY SWING GATE WITH SLIDING GATE
381 ERIDANUS IN WATERKLOOF**

ID: 3216203

T08/30/08/24

- 4.1.7 **2ME, 2GB, 2 EP or 2EB** or higher and satisfy the criteria stated in the Tender Data.
- 4.1.8 Security installation maintenance must be carried out as per **PSIRA** regulation
- 4.1.9 Certified copy of electrical trade test certificate and wireman's license must be attached
- 4.1.10 Certified copy of air conditioning trade test must be attached
- 4.1.11 Letter of good standing from department of labour must be attached

4.2 Infrastructure Requirements

The following resource requirements must be complied with and be included in the Bid price:

- 4.2.1 To ensure that all the required repairs are covered
- 4.2.2 Ensure Act 205 compliance and Engineering certification is supplied to the Department
- 4.2.3 All material, travelling and labour must be included at the cost of the tenderer
- 4.2.4 Must comply with the Occupational Health and Safety regulations
- 4.2.5 The Service Provider shall be liable for the Security of all the material and equipment's for the period of the project.

5. ALL POTENTIAL SERVICE PROVIDER TO NOTE THE FOLLOWING:

- 5.1 The service provider must have the companies' liabilities and insurance.
- 5.2 Upon completion of the project, a close-out report with photographic images of the focal points of the project should be handed to DPW. No final payment will be made if the said report is not submitted to DPW.

6. REPONSIBILITIES

6.1 **DPW:** The departmental officials, who are involved in for the event will be responsible for:

- Providing the necessary detail and information arrangements in a form of a Project Plan that the required service requirements are understood
- Rendering all reasonable assistance in executing the service
- Granting the service providers access to the areas.

6.2 **SERVICE PROVIDER:** The personnel, who is involved in the project will be responsible for:

- Executing services as stipulated in the terms of reference

- Keep site safe and clean at all times especially after hours
- Timeous delivery of services as stipulated on approved Projects Execution Plan.
- Upon request from the Department remove any resource employed from site should the service rendered by the resource not be in accordance with Departmental requirements.
- Submission of the closeout report as stated in clause 5.2
- Timeous submission of correct detailed invoices for services rendered in order for payments to be effected by DPW within 30 days of receipt as per Bid stipulation.
- Any additional work not approved by the DPWI will be for their own account
- Any damage to the structure or pavement will be at the cost of the service provider
- The DPWI has the right to reduce the scope as in when required.

7. ENQUIRIES:

Technical queries

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NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
1	THE FOLLOWING OR THE BELOW WORK HAS TO BE DONE AT 381 Eridanus AVENUE STREET IN WATERKLOOF (ID-3216179)					
1.1	MINOR REPAIRS WHICH INCLUDE WATERPOOFING OF THE ROOF COVERING WHERE REQUIRED, EXTERNAL PAINTING OF THE WALL OF THE MAIN HOUSE INCLUSIVE OF THE GARAGE, THE PERIMETER WALL AND THE GUARDHOUSE, REWIRING OF THE GARDEN AND BOUNDARY WALL LIGHTS, PROVISION OF COC AND REWIRING OF SECURITY MEASURE(CAMERAS,ELECTRIC FENCE, INTERCOM, ALARM, DOOR BELL AND GATE MOTORS.					
1.2	THE BELOW AND ALL NECESSARY PRECAUTIONS ARE TO BE FOLLOWED AND ADHERED TO AT ALL TIMES. NO WORK NOT INCLUDED IN THE ATTACHED BOQ WILL NOT EXECUTED UNTIL AND UNLESS WRITTEN APPROVAL IS RECIEVED FROM THE PROJECT MANAGER.					
1.3	IT IS THE RESPONSIBILITY OF THE SERVICE PROVIDER TO KEEP SITE SAFE, CLEAN FOR HIS EMPLOYEES AND CLIENTS AND CLEARING OF ALL RUBBLE FROM SITE.					
1.4	THE RESPONSIBLE SERVICE PROVIDER WILL REGISTER ELECTRICAL AND WATER METER READING WHEN OCCUPYING SITE AND AT THE TIME OF HANDING OVER THE SITE TO THE DEPARTMENT FOR RECORD PURPOSES.					
1.5	THE RESPONSIBLE SERVICE PROVIDER WILL SUBMIT THE FOLLOWING DOCUMENTS TO PROJECT MANAGER AFTER THE COMPLETION OF WORK OR HANDING OVER SITE: PICTURES FOR THE EXECUTION OF THE WORK. NEW SET OF KEYS OF THE PROPERTY. ROOF GUARANTEE CERTIFICATE FOR A PERIOD OF 5 YEARS. CERTIFICATE OF COMPLIANCE AND A CERTIFIED COPY OF WIREMANS LISENCE.					
1.6	THE RESPONSIBLE SERVICE PROVIDER WILL: COMPLY AND ADHERE TO ALL LOCAL AND NATIONAL BUILDING REGULATIONS SERVICE PROVIDER'S PERSONNEL ON SITE SHOULD BE IDENTIFYABLE DURING THE PROJECT PERIOD/ DURATION					

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
2	SECTION A					
2.1	PREPARATIONS AND REMOVALS UNDERTAKEN					
2.1.1	Dropped sheets to be used for the entire project period and it is the responsibility of the contractor to protect all the items within the property during this period.				Item	
2.1.2	The site to be kept safe, clean and clear of all rubble. All rubble is to be removed from site to a suitable dumping area.				Item	
2.1.3	Make a provision for scaffolding to be used on site during waterproofing and on the roof.				Item	
2.2	REMOVE ROOF COVERING, ETC				Sub Total	
2.2.1	Taking down and removing roofs, floors, ceilings, etc					
2.2.1.1	Remove old damaged and broken roof tiles including battens	Main house, helper's quarters and garages	m ²	1		
2.2.1.2	Remove old damaged and broken ridges including battens	Main house, helper's quarters and garages	m	1		
2.2.1.3	Remove old metal valleys including battens	Main house, helper's quarters and garages	m	1		
2.2.1.4	Remove all skylight roofs including frames, keep safe and reinstall after laying roof tiles	Main house	no	1	N/A	N/A

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
2.3	REMOVE CARPENTRY AND JOINERY					
2.3.1	Carefully dismatling and remove damaged sagging rhinoboard ceiling, branderings, light fittings and cornice due to water leakages	Main house	m ²	1		
2.3.2	Carefully dismantle and remove old kitchen damaged Post Form Top	Main house	m ²	1		
2.3.1	Carefully remove damaged laminated wooden flooring due to water leakages	Main house	m ²	1		
2.4	REMOVE WATERPROOFING, ETC				Sub Total	
2.4.1	Remove old and damaged waterproofing membrane around chimney, skylight roofs and brick work pillar	Main house, helper's quarters and garages	m ²	1		
2.4.2	Remove old torch-on waterproofing membrane on Reinforced Concrete Roof Slab and to Parapet walls	Veranda	m ²	1	N/A	N/A

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
2.5	REMOVE IRONMONGERY, ETC					
2.5.1	Carefully take out damaged/ broken ironmongery including patching up openings and making good plaster (making good paintwork elsewhere) including later fixing in same or similar position					
2.5.2	Chromium plated towel rails not 100mm long	Main house, helper's quarters and garages	no	1		
2.5.3	Remove old lockset from timber door and burglar gates	Main house, helper's quarters and garages	no	1		

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
3	SECTION B				Sub Total	
3.1	REPAIRS TO STANDARD					
3.1.1	WATERPROOFING					
3.1.2.1	WATERPROOFING TO FLAT ROOFS (REINFORCED CONCRETE SLAB)					
3.1.2.1.1	4mm torch-on polyester based sheeting					
3.1.2.1.2	On flat roofs	Veranda	m ²	1		
3.1.2.1.3	Sealing edges to brickwork or concrete	Veranda	m ²	1		
3.1.2.1.4	Apply universal undercoat paint to roof surface as per the manufactures specifications and project managers instructions	Veranda	m ²	1		
3.1.2.1.5	Apply two coat of Bitumin Silver coat superior UV reflection aluminium paint to torch-on concrete flat roof to match the existing and as per the manufacturer's specification	Veranda	m ²	1		
					Sub Total	
3.1.2	CARPENTRY AND JOINERY					
3.1.2.1	38 x 114mm x 6m timber nailed to trusses supporting and to keep trusses in position	Main house, helper's quarters and garages	m	1		
3.1.2.2	Replace 580 X 600mm wooden shelves to BIC to match the existing	Main house, helper's quarters and garages	No	1		

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
3.1.2.3	Spray paint/ laminate the kitchen unit including cupboard doors to look good	Main house, helper's quarters and	No	1		
3.1.2.4	900 x 1700 x 32mm thick Kitchen Countertop Granite D60Cm X H3Cm Nero Rustenburg fixed to kitchen units and apply a suitable sealer between the joints	Main house, helper's quarters and garages	M ²	1		
3.1.2.5	600 x 5 x 32mm thick Kitchen Countertop Granite D60Cm X H3Cm Nero Rustenburg fixed to kitchen units and apply a suitable sealer between the joints	Main house, helper's quarters and garages	M ²	1		
					Sub Total	

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
3.1.3	ROOF COVERINGS					
3.1.3.1	ROOF INSULATION					
3.1.3.1.1	Ecolay undertile roof membrane 1440 x 30m laid taut over over timber rafters and fixed concurrent with tiling					
3.1.3.1.2	Ecolay undertile roof membrane 1440 x 30m laid taut over battens etc	Main house, helper's quarters and garages	m ²	1		
3.1.4	CLAY / CEMENT ROOF TILES					
3.1.4.1	Roof tiles to match existing nailed with non-corrosive tile nailed to softwood purlins (elsewhere)					
3.1.4.1.1	Double Roman Plus cement roof tiles not exceeding 30 degrees including battens	Main house, helper's quarters and garages	m ²	1		
3.1.4.1.2	Ridge tiles bedded and pointed in cement mortar to match tile colour	Main house, helper's quarters and garages	m	1		
3.1.5	CEILINGS				Sub Total	
3.1.5.1	NAILED UP CEILINGS					
3.1.5.1.1	9.6 mm Gypsum plaster board, fixed in position					
3.1.5.1.2	Horizontal ceilings secured to 38 x 38mm branderings at 450 centres in both directions including branderins	Main house	m ²	1		

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
3.1.5.2	POLYSTYRENE CORNICES					
3.1.5.2.1	2000 X 110 X 110mm cornices	Main house	m	1		

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
3.1.6	FLOOR COVERING					
3.1.6.1	1291 x 193 x 8mm thick High Gloss laminate range flooring solution in a bleached oak colourway with a high gloss finish	Main bedroom, bedroom 1, bedroom 2, study room and waiting area, Tv room and dining/ board room	m ²	1		
3.1.6.2	Ditto but 80 X 15mm laminated skirting	Main bedroom, bedroom 1, bedroom 2, study room and waiting area, Tv room and dining/ board room	m	1		
3.1.7	PLASTERING					
3.1.7.1	Rhinolite to gypsum plaster ceiling boards					
3.1.7.2	Rhinolite skimming to the entire gypsum plaster ceiling boards surfaces, use clean steel trowel to level off any uneven areas and leave to set	Main house	m ²	1		

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
3.1.7.3	Under no circumstances should RhinoLite be sanded. All RhinoLite surfaces must be sealed with an oil-based paint bonding liquid or a pigmented plaster primer, suitably thinned down with mineral turpentine. Allow to dry for 24 hours before applying two coats of acrylic paint.	Main house	m ²	1		
					Sub Total	

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
3.1.8	<u>REMOVE PLUMBING AND DRAINAGE</u>					
3.1.8.1	Carefully remove metal sink including trap and keep safe to reinstall including all waste pipes, traps, clamps and seal all edges after new top has been installed	Main house, helper's quarters and garages	no	1		
3.1.8.2	Carefully remove existing double bowel sink including piping and keep safe for reuse	Main house	No	1		
3.1.8.3	Remove existing gutters from the sprockets keep safe and reinstall including brackets after cement roof tiles has been laid	Main house, helper's quarters and garages	m	1		
3.1.8.4	Remove existing down pipes from the gutters keep safe and reinstall including concrete shoe to redirect water away from the house after cement roof tiles has been laid	Main house, helper's quarters and garages	No	1		
3.1.8.5	Remove old chromium plated sink mixer	Main house, helper's quarters	no	1		
3.1.8.6	Remove chromium plated bath mixer	Main house	no	1		

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
3.1.8.7	Remove old and damaged WC including cistern	Main house, helper's quarters and garages	no	1		
					Sub Total	

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
3.1.9	PAINT WORK					
3.1.9.1	PAINTWORK ON PREVIOUSLY PAINTED SURFACES					
3.1.9.1.1	Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied, blistered or peeling paint shall be completely removed and cracks shall be opened, filled with suitable filler and finished smooth.					
3.1.9.1.2	Remove all existing loose, flaking and peeling paint and putty lime up to cement plaster by scabbing and sanding down (no chemical removers or bunnings allowed) and apply one coat primer and two coats of interior quality PVA emulsion paint					
3.1.9.1.3	To internal walls		m ²	1		
3.1.9.1.4	To internal Gypsum board ceilings		m ²	1		
3.1.9.1.5	Remove all existing loose, flaking and peeling paint and putty lime up to cement plaster by scabbing and sanding down (no chemical removers or bunnings allowed) and apply one coat primer and two coats of interior quality PVA emulsion paint					

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
3.1.9.1.6	To external walls		m ²	1		
3.1.9.1.7	Remove all existing loose, flaking and peeling paint and putty lime up to cement plaster by scabbing and sanding down (no chemical removers or burners allowed) and apply one coat primer and two coats of interior quality PVA emulsion paint					
3.1.9.1.8	To 590 x 240 x 2,1m high plastered brick columns	Veranda	m ²	1		
3.1.9.1.9	Ditto but to 350 x 240 x 2,1 high plastered brick beams	Veranda	m ²	1		

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
3.1.9.1.10	Remove all existing loose, flacking and peeling paint and putty lime up to cement plaster by scabbing and sanding down (no chemical removers or bunnings allowed) and apply one coat primer and two coats of interior quality PVA emulsion paint					
3.1.9.1.11	To soffit of the slab	Main house, helper's quarters and garages	m ²	1	N/A	N/A
3.1.9.1.12	Remove all existing loose, flacking and peeling paint and putty lime up to cement plaster by scabbing and sanding down (no chemical removers or bunnings allowed) and apply one coat primer and two coats of interior quality PVA emulsion paint					
3.1.9.1.13	To retaining wall		m ²	1		
3.1.9.1.14	Remove all existing loose, flacking and peeling paint and putty lime up to cement plaster by scabbing and sanding down (no chemical removers or bunnings allowed) and apply one coat primer and two coats of interior quality PVA emulsion paint					
3.1.9.1.15	To boundary wall	Boundary wall	m ²	1		
					Sub Total	

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
3.1.9.2	VARNISH ON WOOD/ APPLY WOOD OIL					
3.1.9.2.1	Make good defects, sand smooth and clean, apply first coat thinned appropriately and two final coats of clear varnish, all in strict accordance with the manufacturer's specifications.					
3.1.9.2.2	To wooden glass doors including wooden frames		m ²	1		

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
3.1.9.2.3	<i>Ditto but to solid wooden doors including wooden frames</i>		m ²	1		
3.1.9.2.4	<i>Ditto but to wooden window frames (Both sides measured over the full flat area)</i>		m ²	1		
3.1.9.2.5	<i>Ditto but to wooden skirting</i>		m ²	1		
3.1.9.2.6	<i>Ditto but to wooden garage doors</i>		m ²	1		
3.1.9.3	PAINTWORK ON METAL					
3.1.9.3.1	Spot priming defects in pre-primed surfaces with zinc chromate primer and applying one undercoat Type II and two full coats high gloss polyurethane non-drip enamel paint on steel					
3.1.9.3.2	Stainless Steel Handrail	Around the house	m ²	1		
3.1.9.3.3	<i>Ditto but to burglar gates</i>	Around the house	m ²	1		
3.1.9.3.4	<i>Ditto but to gates with metal plates</i>	Around the house	m ²	1		

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
3.1.10	<u>EXTERNAL WORK</u>					
3.1.10.1	<u>PAVING</u>					
3.1.10.2	Carefully remove 80mm thick brick paving, clean and keep safe for reuse purposes	Around the house	m ²	1		
3.1.10.3	Cut and remove tree roots underground, level, fill surface with 50mm thick bedding elsewhere required and make good to receive paving	Around the house	m	1		
3.1.10.4	Remove all weeds and apply weed killer between paving according to manufacture's specifications, allow to dry and apply waterproofing grouting between the paving where required	Around the house	m ²	1		
3.1.10.5	80mm thick paving laid on 50mm thick clear sharp sand bed with sand swept into joints and hose down including weed killer and ant poisoning to match existing					
3.1.10.6	Paving to driveway, around the house and swimming pool	Around the house	m ²	1		
					Sub Total	
	TOTAL OF BUILDING WORK					
4	<u>SECTION C</u>					
4.1	<u>MAINTENANCE OF CCTV CAMERAS AND MONITORING SYSTEM</u>					
4.1.2	SUPPLY AND INSTALL THE FOLLOWING CCTV CAMERAS, COMPLETE WITH MOUNTING BRACKETS, LENSES, HOUSING, FANS, PAN/ TILT/ ZOOM UNITS, DOMES, DRIVES, ETC.					
4.1.2.1	Replace cylindrical cameras 4MP 40M IP		No	1		
4.1.2.2	25 x smart 4MP PTZ		No	1		

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
4.1.2.3	Replace 16 Chanel Power supply 12 V inclusive connectors		No	1		
4.1.2.4	Install 16 CH NVR 4MP, NON POE HDD, 2 sata remote Surveillance		No	1		
4.1.2.5	Install 10 port switch POE network switch		No	1		
4.1.2.6	Replace Cable Cat6 network cable UTP Unshielded Twisted inclusive connectors		p/m	1		
4.1.2.7	Replace PVC pipe 25MM inclusive connectors		p/m	1		
4.1.2.8	Install surge protector		No	1		
4.1.2.9	Install UPS 3 KVA		No	1		
4.1.2.10	Install 4u cabinet		No	1		
4.1.2.11	8TB, HDD		No	1		
4.1.12	HDMI cable		p/m	1		
4.1.13	HDMI extender		No	1		
4.1.14	Enclosure		No	1		
4.1.15	1 X 2 HDMI splitter		No	1		
4.1.2.16	43" inch monitor		No	1		
TOTAL OF CAMERAS AND ACCESS CONTROL SYSTEMS						

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
5	<u>SECTION D</u>					
5.1	<u>ELECTRICAL INSTALLATIONS</u>					
5.1.1	Appliances fixed to flush or surface boxes complete with cradle, cover plate etc. and connected to conductors (boxes elsewhere measured)					
5.1.2	Replace 4x4 3pin double wall sockets in the Guard room		No	1		
5.2	Lighting fittings					
5.2.1	Supply, store, protect, erect, fix, including fixings, lamps, connectors, etc. the following light fittings including connections:		No	1		
5.2.2	Surface mounted to box, wall or ceiling		No	1		
5.2.3	In stall flood 100w LED light around the house Guard room next to the cameras		No	1		
5.2.3	8 way high surge protector multipug		No	1		
5.3	EXCAVATIONS					
5.3.1	Nature of ground and classifications of materials to be excavated including backfill for electrical installations					
5.3.2	Excavations in earth/ pickable soil, compacted filling not exceeding 2m deep					
5.3.3	For trenches		m ³	1		
5.3.4	For Soft rocks		m ³	1		
5.3.5	For hard rocks		m ³	1		
5.4	BACKFILLING					
5.4.1	Fill trench with bedding and backfill with selected material		m ³	1		
5.5	SURFACE COVERING					
5.5.1	Lift and reinstate surface (for cable excavating) to original condition					
5.5.2	Paving		m ²	1		

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
5.5.3	Install 1,5 mm suffix cable to supply flood lights		m	1		
5.5.4	Replace 1.5mm Suffix electrical cable inside and outside the house including all necessary connectors		m	1		
5.5.5	Balance the phases, label electrical distribution boards			1	Item	

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
5.5.6	PVC Conduit fixed vertically to wall surfaces after painting of the walls			1		
5.5.7	Supply and install 20mm PVC pipe		m	1		
5.5.8	supply and Install 25mm PVC pipe		m	1		
5.6	TESTING AND COMMISSIONING					
5.6.1	Test and commission the entire electrical installation for distribution boards and equipment and issue the necessary Certificate of Compliance					
5.6.2	Supply testing and commissioning	Main house			Item	
5.6.3	provision of certificate of compliance	Main house			Item	
TOTAL OF ELECTRICAL WORK						
6	SECTION E					
6.1	MECHANICAL INSTALLATIONS					
6.1.1	Air conditioning system1					
6.1.1.1	Replace the existing faulty 18 000 btu split unit air conditioning system in the main bedroom (01), study room (01), lounge (01) ,bedroom (01) including coper pipes, armour flex and brackets	Main house	Ea	1		
6.1.1.2	Replace existing faulty 12 000 btu split unit air conditioning system in Guard room including coper pipes, armour flex and brackets	Main house	Ea	1		
6.1.1.3	2,5 mm suffix, cable pe/m	Main house	p/m	1		
6.1.1.4	25 amp circuit breaker	Main house	Ea	1		
6.1.1.5	15 amp circuit breaker	Main house	Ea	1		

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
6.1.1.6	32 amps weatherproof isolator	Main house	Ea	1		
6.1.1.7	20 amps weatherproof isolator	Main house	Ea	1		
6.1.1.8	PVC 40 x 40 mm trunking p/mincluding connectors	Main house	p/m	1		
6.1.1.9	20mm x 6m conduit install, inclusive of all suitable connectors	Main house	p/m	1		

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
6.1.2	INTERCOM					
6.1.2.1	IP intercom gate station		No	1		
6.1.2.2	intercom power supply control	Main house	No	1		
6.1.2.3	IP two way phone set	Main house	No	1		
6.1.2.4	Battery 12v 7.2 ah lead acid	Main house	m	1		
6.1.3	AUTOMATED GATE					
6.1.3.1	Remove and install minimum 1000kg gate motor set inclusive mounting, track and remote programming to a good working condition.	Main house	No	1		
6.1.4	ELECTRIC FENCING					
6.1.4.1	Repair electric fence at 180m boundary wall long with gate contact to a good condition	Main house	m	1		
6.1.5	ROOF WARRANTY					
6.1.5.1	Make a provision of roof warranty certificate for the period of two years from the date of completion (this will mean that the contractor / service provider agrees to attend to the roof defects caused by labor and installation where they have worked on and where there is a poor workmanship within five years after waterproofing of the roof except where roof is damaged by natural courses, fallen trees e.t.c)				Item	
	TOTAL OF MECHANICAL INSTALLATIONS					
	TOTAL OF SECTIONS "A" TO "E"					

NO	DESCRIPTION	LOCATION	UNIT	QUANTITY	RATE	AMOUNT
7	LABOUR SCHEDULES					
7.1	ARTISAN		Hrs	1		
7.2	LABOUR		Hrs	1		
7.3	TRANSPORT/ TRAVELLING AT R5/ KM		Km	1		
7.4	TOTAL					
7.5	ADD 15% VAT					
7.6	GRAND TOTAL					