	<p>Scope of Work: Security Surveillance Aerial Drone and armed response team</p>	<p>Tutuka Power Station</p>
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Title: **The Provision of Aerial security
Surveillance and armed response team for
Generation Tutuka Power Station National
Key Point and Outside areas for 36 months.**

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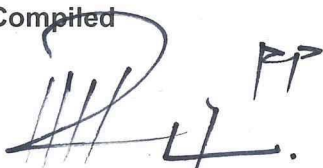
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1. Introduction

Tutuka Power Station is designated as a National Key Point in terms of the NKP Act of 1980 / Critical Infrastructure Act 8 of 2019. It is therefore subjected to be safe guarded by trained security officers who have been trained on the following aspects which are NKP Act, PSIRA Act, Firearm Act, SASSETA Act of 1998, Civil Aviation Authority Act (Aerial Drone) and Critical Infrastructure Act. This scope of work is for the purpose of outlining the aerial surveillance services needed to protect and enhance the current security measures on site. Eskom Tutuka Power Station assets and the way in which operation should be conducted by the service provider.

The drone team will monitor the site through aerial surveillance. Due to the criticality of this installation to Eskom and the country, coupled with the specific requirements for safeguarding national key points, it is imperative to ensure that we have this contract in place to ensure the continuity of protection for the site employees, assets, and information continuously.

2. Supporting Clauses

2.1 Scope

2.1.1 Purpose

The purpose of the scope of work is to outline numbers of Aerial Drones and licenced Aerial Drones operators required to render Aviation Drones services at Tutuka Power Station.

2.1.2 Applicability

This document is applicable to security department at Tutuka Power Station.

2.1.3 Effective date

This document is effective as of date of authorisation.

2.2 Normative/Informative References

2.2.1 Normative

N/A

2.2.2 Informative

- [1] National Key Point Act of 1980
- [2] SASSETA Act of 1998
- [3] PSIRA Act 56 of 2001

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- [4] Firearm Act 60 of 2000
- [5] Civil Aviation Act 13 of 2009
- [6] Civil Aviation Authority Section 71 of Act 13 of 2009
- [7] Critical Infrastructure Act 8 of 2019
- [8] Criminal Procedure and Law of Evidence Act 51 of 1997
- [9] The Trespass Act 6 of 1959
- [10] The Control of Access to Public Premises and Vehicles Act 53 of 1985

2.3 Definitions

N/A

2.4 Abbreviations

Abbreviation	Explanation
CCTV	A system consisting of camera equipment, storage, monitoring and associated equipment for transmission and controlling purposes.
NKP Act	National Key Point Act
PSIRA	Private Security Industry Regulatory body.
SASSETA	Safety and Security Sector Education and training Authority
SOW	Scope of work
BOQ	Bill of quantities
FCA	Firearm Control Act
CAA	Civil Aviation Authority Act
SLA	Service Level Agreement

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2.5 Roles and Responsibilities

Role	Responsibility
The Supplier	Will provide an Aerial Security surveillance Solution (Drone) and data recording for a period of 3 years for Generation Tutuka Power Station, National Key Point (NKP) and outside areas owned by Eskom, in line with this scope of work and adhering to all Legal requirements and Eskom SHEQ guidelines.
The Employer	Will inform, manage, and measure the Supplier on expected service requirements and outcomes desired according to the guidelines within the NEC and the scope of work.

2.6 Process for Monitoring

Security department will ensure compliance and implementation to this document.

A quarterly SLA scoring and meeting will be held where performance will be measured against the SLA.

There will be regular audits taking place at the security, which includes internal audits by risk and assurance department, external audits by Department of Labour, SABS, SAPS National Key Point, PSIRA, as well as other authorities identified by the Eskom Risk and Assurance Department.

Peer review will be done by the Management of Tutuka Power Station.

Housekeeping and safety inspections will be done periodically by the Security Manager and the Safety Departments.

2.7 Related/Supporting Documents

N/A

3. Scope of Work

The service provider will be required to deliver an integrated solution as per below:

3.1. Executive overview

Security is a highly regulated environment, which places huge responsibilities and accountabilities on Tutuka Security Management who is responsible for providing, safeguarding, shaping, and planning the strategic direction of Security at the Power Station. The Security Manager is also responsible for managing, monitoring, and ensuring that all security contracts will lead to the

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optimal protection of Eskom's assets, business processes, employees, information, systems, stakeholders, and interests.

Physical guards will be required at the NKP to conduct Access Control, and visible patrols. Tutuka is moving towards the use of more technology and thus armed response units will be needed to rapidly respond to areas where technology is installed or used.

The services shall comprise of the supply of specialized and professionally fully trained and equipped PSIRA accredited Security Officers to be deployed and provide Ariel surveillance as per identified areas inside the Tutuka Power Station (registered National Key Point) and outside areas of critical importance to the Power Station on a 24/7 basis for a period of 3 years.

3.2 Requirements of the service provider

- The Service provider must be registered with PSIRA.
- The Directors must be registered with PSIRA with a minimum of Grade B.
- PSIRA compliant in terms of the PSIRA levies Act.
- Signed PSIRA Code of Conduct by the Director (s) to be handed to the Security Manager.
- Registered with a Private Security Sector Provident Fund and all payments up to date.
- Be registered with the NKP or be in possession of a valid letter from SAPS issued by the NKP office indicating company's application for registration to offer services at National Key Point.
- Implement a robust command-and-control structure for effective coordination and contract management.
- Sufficient firearms registered in the service providers company name and to ensure compliance in respect of the Firearms Control Act and Eskom firearm standards.
- Remain compliant with regards to training according to PSIRA, SHE, NKP and the Firearms control act.
- Ensure proper records are kept of all security operations on site e.g. vehicle KM's, patrols, posting, firearms and reports.
- Prevention of Negligent discharging of firearms must be managed very closely.
- Remain compliant with regards to training according to PSIRA, SHE, NKP, Civil Aviation and the Firearms Control Act.
- The Contract must have Operating/ Control room in the region of Gert Sibande District Municipality within three months of signing the contract. Panic buttons must report to either the Contractors control room or to the Eskom Security Control Room for duration of the contract.
- Submit SHE Statistics on time at the end of every month.
- Report on staff turnover, all newly appointed Security officers will be checked for compliance by Security Management before the induction forms are signed so supporting documents needs to accompany the application.
- Ensure sufficient Relief personnel numbers are available to prevent short posting.

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- Ensure proper records are kept of all security operations on site e.g. vehicle KM's, patrols, posting, firearms and reports.
- Tracking reports for vehicles to be handed in Monthly to the Security Manager for Invoicing Purposes.
- All vehicles to be fitted with a reverse hooter and company branding.
- Vehicle to be fitted with patrol lights and emergency response lights as per PSIRA ACT.
- Service provider must submit weekly and monthly reports, and the content of the report shall be discussed and agreed to between the Security Manager/Eskom Contract Manager.
- Service provider will be expected to submit contingency plan to cover events such as strike, shortage of manpower, sick leaves etc and this must be approved by the security manager or Eskom contract manager.
- Security response teams will visit the sites covered by the drone and upload photos of the sites where the weather does not allow the drone to operate and install six (6) web-based movable camera system with solar and sim card capability at the expense of the supplier.

3.3 Services required covered in the scope

The scope of work is for the supply of security Surveillance Aerial Drones to detect criminal activities in and around the NKP - Eskom Tutuka Power Station which includes the following:

1. The Provision of Security **Surveillance Aerial Drones** Services for a period of 36 months at Tutuka Power Station.
2. The Security service provider, herein referred to as the contractor, shall be expected to execute duties as mentioned in the scope of work as designated critical to the station performance.
3. Security officers (operators) **Surveillance Ariel Drones** must be registered with PSIRA Grade B, NKP and Aviation qualification(s).
4. The supplier is required to fly a Drone to safeguard and observe any illegitimate activities in and around Tutuka Power Station for the purpose of detect and deter.
5. The supplier must provide transportation for employees (home - work - home).

3.4 Services required

3.4.1 Personnel and Drone

Number of security officers needed or required four (4X) security officers: Two (2) day and (2) night shift only. The nature of duties shall entail but shall not be limited to the following:

- Two (4x) Authorised Drone Pilots with PSIRA Security grade "B", NKP and Firearm Competency for business purposes, two (2) day and (2) night.
- Provide drone for 24-hour service.

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- The Service Provider must be registered with PSIRA and Civil Aviation Authority.
- Security Personnel must be registered with PSIRA grade B.
- The personnel need to be trained on prescribed procedures (including National Key Point), standards and risk assessments.
- The Service Provider needs to comply with the Construction Regulation as set out in the NEC3 Contract.
- The contractor shall use or utilise PSIRA security shift circle (Roster) when operating at Eskom Tutuka Power Station.
- The Contractor must always report to Eskom security shift Supervisor on duty.
- All personnel shall, while on duty, be in full, clearly identifiable uniform with the required PPE to be provided by the service provider.
- ***The contractor will be required to work overtime, attend to callout / standby on and as when required.***
- Patrolling, monitoring, and safeguarding of affected critical and vulnerable areas in and around the plant and other random proactive patrols.
- The drone team will be monitoring the fuel oil trucks, diesel trucks and coal trucks movements from entering the gate through the delivery value chain until they exit the station and any other suspicious vehicle/person.
- Monitor the security officers escorting the trucks as well as officers at the weighbridges and fuel oil plant.
- The drone will also patrol plant through security officers equipped with technological equipment (camera and video taking uniform) which will be linked to their control room on site.
- The Drone team will also have investigation team to conduct investigation of theft, gather information that could assist in investigation and preventing thefts from taking place, preserve evidence of incidents that occurred and must be available to testify during disciplinary proceedings and in court.
- The team will also monitor critical outside key points such as Ash conveyer, Raw water dam, Ash dam, Sewerage treatment plant, Coal stock yard, Ash plant disposal, Station dumping site and perimeter fence to prevent act of criminality such as plant tempering, vandalism, unauthorised access, unauthorised removal of copper cables, other asset and equipment, bypassing security measures, security breaches, security incidents and industrial actions.
- Monitor all access route leading to the station during public disorder situations and emergencies.
- Compile situational reports and do daily briefings and de-briefings on location (issuing of tasks).
- Drone must have integrated connected teams to monitor fuel oil to identify and track any discrepancy enabling the investigation process to be easier.

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3.4.2. Drone Operation requirements

- Day/night-time fast and efficient response to alarms and panic buttons at critical infrastructures and identified / listed hotspots.
- Day/night-time fast detection of suspicious movement of people and vehicles with accurate details.
- Location, number of people/vehicles, direction of movement without being noticed.
- Day/night patrolling surface hovering on the client operation sites at daytime/night.
- Day/night support and guide to ground forces on general patrols, callout response and effect arrests and or recover.
- Monitor special events (protest action and crowd management).
- Any other request pertaining security needs at any time
- Must be able to fly at a range up to the radius of minimum 5km up to a maximum of 10km from Tutuka Power Station including outside areas.
- Drone must be able to record trips and incidents.
- Each footage must be submitted to the Manager Security or Officer Security systems/operations.
- All criminal activities in progress must be reported to Eskom security shift supervisor on duty and such occurrences must be recorded in the Occurrence Book.
- Footage should not be shared with external parties without prior authorisation from the Security Manager.
- Drone operators must be able to communicate with Eskom security shift supervisor on duty by using two-way radio, cellular phone, or telephone system available on site or in person.
- Drone must be able to monitor at night using thermal and infrared technology.
- All incidents captured by drone must be submitted to officer security systems after every incident.
- Night support and guide of ground forces to effect arrest or make recoveries.
- Maximum flying time at night is estimated to be 12 hours (*inter alia*) call out services.
- Maximum flying during the day 12 hours (*Inter alia*) call out services.

3.4.3 Areas to patrol using Surveillance Aerial Drone at Tutuka Power Station shall cover or be selected from the following but not limited to:

- The entire Tutuka Power Station.
- Coal conveyer belt
- Ash conveyer belt
- Ash main and standby stackers

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- Ash Dam offices
- Weight bridge (internal and external)
- Coal Plant (Stockpile)
- Sewage plant
- Station dumping site.
- HV Yard
- All Dams pump houses
- Main entrance (reception, exit, entrance)
- Coal Truck gate.
- Security Perimeter fence
- Diesel and Oil Trucks from security main gate to weight bridge and to offloading bays.
- All Tutuka Sub-stations
- All Tutuka transformers inside/outside
- East gate and surrounding areas

3.4.4. Armed Response Team requirement:

24 hours Armed Response Teams will be focusing on Coal Stockyard, Ash plant disposal and Inside the NKP. The other team will be focusing on ash conveyer during the night and patrolling cable tunnels during the day and Units patrol. The team must be equipped with charging capabilities in their vehicles to allow continuous operations.

- Execution of crime prevention patrols of critical infrastructures and hotspot areas including any other specified sites within the boundaries of the provinces.
- Visiting and patrolling of the Employers sites at irregular intervals and not in a specific sequence, to detect the presence of unauthorized person, suspicious activities or occurrences that may endanger personnel.
- Prevention of unauthorized removal of the Employers assets from all sites.
- Perform armed response activities to Tutuka Power station sites.
- Provide escort duties to the Employer and contractors while working in hotspot areas and as required by the Employer.
- Safeguarding of heavy motor vehicles at areas determined by the Employer.

3.4.5. Firearms

- Only Eskom approved firearms namely, 9mm pistols shall be allowed for usage in terms of this contract.

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- Armed Security officers must have the following in his/her possession whilst on duty: firearm competency certificates, ID card, PSIRA Card, daily firearm permit for the specific firearm in possession thereof.
Security Company is responsible for providing firearms, ammunition, firearm safe and registers as per Firearm Control Act 60 of 2000 this includes issuing of firearm permit whilst on duty.
- Only company firearms licensed in the security service providers name may be utilised as per this contract.
- The contractor must ensure provision of equipment / facilities for making firearms safe. A procedure to that effect, should also be in place.
- Each armed security officer must be provided with two full (ammunition) magazines.
- The service provider must ensure that Security officer's private firearms are not utilised for their business purposes, in terms of this contract.
- Firearms must comply with the firearm Control Act Requirements as indicated below:
 - Company's Firearm licence valid for 5 years (Mandatory)
 - Appointment of the responsible person / Armoury manager/Supervisor (Mandatory).
 - Firearm competency certificates of owner or appointed responsible person (Mandatory) o Training records of owner or appointed responsible person for handle and use of firearms for business purposes – all prescribed firearms and Knowledge of Firearm Control Act (FCA) from a SASSETA accredited institution. (Mandatory).
 - The company must have a firearm safe handling procedure. (Info required before contract commencement).
 - security guards to carry firearms must be trained on use and handle of firearms for business purpose (Information required before contract commencement)
 - Security guards to carry firearms must have SAPS competency certificate (Information required before contract commencement).

3.4.6. Security Officers Qualification Requirement (Grade B, NKP, firearm competency for business purposes and Authorised Drone Pilot qualifications)

- All Security officers must be registered with PSIRA at the required grade B.
- Security officers must be in possession of their PSIRA card and company I.D card always.
- All security officers must have aviation certificate to fly a drone.
- Armed Security officers must possess firearm competency certificates (issued by SAPS) and always carry it.
- Armed Security officers must always carry Firearm permits as per the Firearm control Act.
- Armed Security officers must have completed SASSETA training on the specific firearms they are expected to use.

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- Armed security officers should have undergone Regulation 21 training and continue to do so for at least once per year.
- Security officers will be expected to sign a declaration of Secrecy before commencements of their duties in terms of this contract.
- Security officers may be subjected to a screening / vetting process.
- Security officers should not have been convicted of any criminal offence and should disclose all pending criminal prosecutions against them. Non-disclosure of such will result in the officers' automatic removal from Eskom site or duties.
- Security officers should be able to read, write and express themselves well in English.
- Security officers may be required to undergo a polygraph test as and when required.
- Security officers should be trained on the Standard Operating Procedures (SOPs) relevant for their site of deployment and/or be made available for training by Eskom at no additional costs on any process or procedure necessary for them to do their duties. Proof of training must be kept on file and availed to Eskom on request.
- No security officers are to be deployed in terms of this contract, before undergoing necessary Eskom induction, training, and assessments. Eskom reserves the right to remove such Officers that have not complied with this requirement from their sites or duties as per this contract at the cost to the contractor.

3.4.7. Training

All Security personnel deployed must be trained in terms of the various legislative requirements. (Private Security Industry Regulatory Authority (PSIRA), National Key Point (NKP), Aviation training, Firearm Control Act (FCA) and Critical infrastructure Act. All Security personnel to comply with the continuation and refresher training in terms of the NKP and FCA.

3.4.8. Communication

The service provider must ensure suitable continuous communication between operational control room and their deployed staff. Either one or more of the following mediums of communications shall be provided as per user requirements: hand-held radios, satellite radio, contracted cell phones, base radios and push to talk (PTT) and / or face to face.

3.4.9. Contingency plan

The service provider must have contingency plans in place and share with the Manager Security for the following:

- Own Strike / Labour unrest amongst own staff.
- Shortage of Manpower due to e.g. absenteeism, sick leave or annual leave.
- Equipment Failure "**Drone**", Vehicle breakdown and Communication system.

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3.4.10. The working times / Shifts

- Working times determined by PSIRA Act – 48 hours per week Shift workers and 45 hours per weekdays.
- The security service is required as per the agreed shift roster.
- A name list of Security officers deployed in terms of this contract must be provided on monthly basis, within 5 days prior to the commencement of the new month.
- The contractor is responsible to ensure that every shift complement is satisfied before commencement of the shift.
- Safe handling of firearms during shift changes must be always adhered to. The contractor must ensure that a procedure is put in place to that effect.
- Safes must be provided by the contractor for the safekeeping of firearms not in use.
- The Security Officers will be expected to do a pre-job / daily risk assessment and safety talks before commencement of every shift.

3.4.11. Security Registers

- The Security Service provider will be required to provide the Occurrence Books.
- Occurrence book to be correctly completed by Security officer listing all occurrences / incidents.
- Contractor must ensure that quality registers are provided. Occurrence Book must remain bonded, with no loose pages.
- Accurate records of all occurrences are to be kept for a minimum of 12 months post the occurrence and should be made readily available to Eskom at any time.

3.2.12. Incident Reporting and Investigation

- All incidents and response to incidents must be handled according to the relevant SOPS and/or work instructions for each site.
- All incidents and response must be reported immediately to the Eskom control room.
- The SAPS must be contacted immediately only for criminal incidents or suspected ongoing criminal activities.
- Weekly / Monthly status reports are to be supplied by the service provider.
- The contractor is to ensure that all involved personnel are available for relevant court proceedings, incident investigations and assist Eskom and the SAPS in their investigations as and when required.
- All incidents (including incidents in terms of the Occupational Health and Safety Act), should be reported within 24 hours and a preliminary investigation report provided within 24 hours as well as a final Incident investigation report within Seven (7) to (10) days.

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3.4.13. Documentation

The following documentation is to be supplied by the security service provider within two weeks before a Task order can be issued and commencement of the contract:

- List of all potential security officers intended to be deployed on Eskom sites in terms of this contract.
- Certified ID copies, PSIRA certificates and security clearance certificates of all security officers.
- Certified copies of firearm competency certificates of the security officers.
- List of all firearms to be used and certified copies of the licenses.
- Certified copies of SASSETA training certificates for all armed Security officers.
- Certified copies of the company and Directors PSIRA registrations certificates.
- Criminal check records as proof that the Security officers have not been convicted of any criminal offence.
- A list of all vehicles and maintenance records for vehicles to be used as per this contract.
- Driver risk profiles must be submitted for every driver as per this contractor.
- A compressive risk assessment and a site risk assessment report for all sites.
- Emergency Preparedness procedure with relevant contact details.
- Equipment list per site.
- Standard operating procedures per site to include the following but not limited to and should be approved by Eskom representative before application:
 - Wearing of uniform standard.
 - Communication procedure.
 - Firearm handling procedure.
 - Shift changes.
 - Response process.

3.4.14. Safety Requirements

- All vehicles utilized to transport staff, must be fitted with SABS approved seatbelts.
- The Service provider is responsible to ensure that the security officers deployed at Ad-hoc sites have access to a shelter, water, and sanitation.
- All Security officers should receive a safety induction before they can be deployed on Eskom sites.
- Safety recommendations following an incident shall be implemented by all Security Service providers to prevent further reoccurrences at any of the Eskom site, as per allocated timeframes.
- Open fires, the use of bar heaters and hotplates as heaters at Eskom sites, is totally prohibited.
- Security officers should observe the provisions of the Criminal procedure Act and all relevant legislation regarding the use of minimum force. Security officers should at all-time

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use minimum force sufficient to bring the situation under control and such force shall cease as soon as the situation is brought under control. No deliberate assault on suspects will be condoned.

3.4.15. Operational equipment requirements

- A list of equipment shall be fully specified as per sites requirements in the bill of quantities (BOQ). Eskom will provide specifications for mobile guard houses and facilities.
- Service providers must supply this on an "as and when" required basis.
- The specification will be determined per the task order. All vehicles must be quantified (BOQ). Eskom will provide specification for mobile guard house and facilities.

3.4.16. Salaries and Payment

Security companies shall pay security guard at least the minimum wage specified on the Sectorial Determination, of the Private Security Sector, South Africa. Register all security guards with the Department of Labour: UIF, COID and provident fund.

3.4.17. Uniforms

- The contractor must comply with legislative requirement (PSIRA Regulation 13). Uniform items must be kept in clean, neat, and good condition always.
- Uniform must be always in good condition in terms of the environment where security staff are deployed.
- Bullet proof vests (Level III special SA Mix) shall be worn as part of uniform by all security officers.
- The supply must ensure that all the employees or work force have the relevant tactical Response and Special Operation uniform or gear (i.e. protective shields, bottom sticks, etc)
- The contractors must supply body cameras and must have availability of more than 95%, failure must be rectified within 2 hours.

3.4.18. Occurrence Book

- Service provider shall record duty on and off in the Occurrence Book.
- Check for any reports of security interests from the person handing over and record this in the occurrence book for future reference.
- All patrols must be logged in the OB and cross reference the feedback as follows:
 - o Book out and back from patrol
 - o Record all irregularities found during the patrol

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- o Record and specify times and places patrolled.
- Record all incidents reported to Protective Services.
- After shift completion, the supplier shall record a proper shift hand over to the next reliever and ensure that he/she notes all irregularities.
- The Supplier's Security Responsible (Supervisor) person shall record all visits to the premises in the occurrence book and place his/her signature next to entry.

3.4.19. Dress Code

- All Suppliers' Security guards shall dress in full uniform when on duty and no private clothes will be permitted to be worn with their uniforms.
- The supplier shall ensure that security guards uniforms are always neat and clean when on duty.
- Reflective vests (bibs) will be worn with the uniform when required.
- The supplier shall ensure that security guards are always provided and wearing body armour vest with uniform.
- The supplier shall provide correct PPE to the security guards (firearms prescribed by Eskom, torches, panic buttons, handheld radios, rain suits, safety boots and hardhats prescribed by Eskom.)

3.4.20. Manpower and vehicle Requirements.

4 x Registered Drone pilot with valid Licence and PSIRA registered Grade C (NKP) 2 Day & 2 Night shift Mon to Sunday 06:00 – 18:00 & 18:00 – 06:00
4 x Registered Assistant Drone pilot with valid Licence only requires 1 x VLOS and PSIRA registered Grade C (NKP) 2 Day & 2 Night shift Mon to Sunday 06:00 – 18:00 & 18:00 – 06:00
Armed Response Security Officers Grade C (Armed/NKP) 2 x Dayshift & 2 x night Shift = 4

2 x Drone equipped with M330S H20t (2) cameras for day and night operations + data recording
2 x Drone vehicle - 4x4 Double cab (5 000km/vehicle) (5 000 km/month x 60)
1 x Reaction / patrol vehicles - 4x4 Double cab bullet proof (5 000km/vehicle) (10 000 km/month x 60)

3.4.21. Non-Performance

Schedule of Deficiency and Penalties.

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No	Deficiency	Penalties
1	Security officer not posted on duty as agreed upon (short posting)	One shift cost deduction
2	Security officer intoxicated or under the influence of liquor or drugs	Permanent removal from Eskom site and contract.
3	Refusal by security officer to comply with lawful instruction.	Permanent removals from Eskom site and contract.
4	Sleeping on duty	One shift cost deduction
5	Desertion of post	One shift cost deduction
6	Negligent by security officer in the performance of their duties	Permanent removals from Eskom site and contract.
7	Security officer late for duty	Late hours deduction
8	Security officer without correct PPE, functional two-way radio and torch.	10% deduction of the total monthly site cost.
9	Security officer not armed whilst on duty	50% of shift deduction rate.
10	Unavailability of Drone	No Payment for the shift and NCR.

4. Acceptance

This document has been seen and accepted by:

Name	Designation
Maletsoko Happy Maimela	Officer Security Systems
Precious Gugu Myeza	Security Manager
Lameck Nyakane	Risk and Assurance Manager

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5. Revisions

Date	Rev.	Compiler	Reason for change
27 June 2025	1	Thulani Masuku	First draft for review

6. Development Team

The following people were involved in the development of this document:

- Precious Gugu Myeza
- Thulani Masuku

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COST ESTIMATE FOR PROVISION OF AERIAL SURVEILLANCE AND RESPONSE SERVICE AT TUTUKA POWER STATION


ITEM NO	DESCRIPTION	Unit	Quantity	ESTIMATE		Amount
				Resources	Rate	
1	ESKOM TUTUKA POWER STATION AERIAL SURVEILLANCE AND RESPONSE SERVICE					
1,1	Armed response unit (2 Tactically trained Grade C guards).	Month	36	4	R 22 565,00	R 3 249 360,00
1,2	24 Hour drone pilot.	Month	36	4	R 35 741,00	R 5 146 704,00
1,4	24hour Assistant Drone Pilot	Month	36	4	R 25 593,42	R 3 685 452,00
1,3	Integrated connected teams.	Month	36	1	R 63 250,00	R 2 277 000,00
2	Equipment					
2,1	Drone with M330S H20t and data recording	Month	36	2	R 545 280,00	R 1 090 560,00
2,2	Drone Vehicle - 4x4 Double Cab (5 000km/Vehicle)(5000km/Month x60)	Month	36	2	R 24 119,36	R 1 736 594,21
2,3	Patrol vehicle - 4x4 Double Cab Bullet proof(5 000km/Vehicle)(10 000km/Month x 60)	Month	36	1	R 600 000,00	R 21 600 000,00
GRAND TOTAL EXCL VAT						R 38 785 670,21

Note:
The estimate was priced based on previous contract at Tutuka power Station (4600072027) and market related prices.


Prepared by: **Patience Mahlaela**


Candidate Quantity Surveyor
Tutuka Power Station
2025/08/18

Verified by: **Godfrey Chaane**


Professional Quantity Surveyor
Tutuka Power Station
2025/08/18

Accepted by: **Khuthala Ketano**


Candidate Quantity Surveyor
Tutuka Power Station
2025/08/18

