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1. EXECUTIVE SUMMARY AND TERMS OF REFERENCE

Eskom Rotek Industries Security Management has conducted a Physical Security Risk Assessment at Tutuka Power Station in Standerton to identify the level of occupation of officials and the assets of the company to ascertain the level of security required to protect all its resources.

It is also a constitutional obligation to ensure that all employees and contractors are working in a safe and secure environment in the occupation of the official project sites.

2. SECURITY RISK ASSESSMENT

The security risk assessment is part of the efforts of the Security Management Department that intends to create and sustain a secured business environment at the premises and at the project construction areas. The assessment was conducted to:

- Determine the existing physical security status of the site
- Determine protection needed on site
- Identify any threats or risks that might affect the sites negatively

The above then enabled the development of a plan that will provide effective physical security measures through a combination of deterrent, detection, delay and response mechanisms. This allows for:

- The protection of assets, premises and people against the personal threat, asset theft or vandalism and or incidents of high consequence.
- The unauthorized removal of materials or assets without permission on site.
- Secure the facility perimeter(s), to ensure the effective application of access

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and egress control measures.

- The prevention of unauthorized access without proper arrangements to the site.
- Provision for resilience measures, high reliability and balanced protection of the site and its support functions.
- Provision of emergency preparedness plans to mitigate or minimize any serious consequences, taking into consideration the needs and importance of other areas or systems.
- The implementation of corrective actions to minimize threats and risks activities.

3. SITE LOCATION AND CONDITIONS

3.1. Geographical location and physical address:

- a) The site is situated inside Tutuka Power Station and it is surrounded by farm areas.
- b) It is an office space next to Eskom mobile office.
- c) There shall establish other offices and storage facility.

3.2. Site assessment findings

- a) There are two offices and employees on site.
- b) The site shall be guarded by a Security Services contractor to secure equipment stored on site during the day and night shift throughout the duration of the office establishment.
- c) There are enough lights and water on site.
- d) There is an open space with old broken perimeter fence and no gate at the main entrance.
- e) The area is well paved and have car ports for the vehicles.
- f) No security officers during the day and night on site.

4. REQUIREMENTS

The following Security measures should be considered and priced for accordingly:

4.1. SECURITY PERSONNEL COMPLIMENT

1. Security Officers should be posted on site to conduct patrols around the perimeter fence during the day and night shifts.
2. Security Compliment:
 - One (1) Security Supervisor with a grade B.

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- One (1) Security Officers with a grade C should be working day shift
 - Two (2) Security Officers working for night shift will be posted on Site.
 - Two (2) Security Officers to be posted during both shifts one the weekend and public holiday.
 - All resources to be PSIRA registered
3. An armed response to be available in the event of the emergency. They must wear bullet proof vests with plate at all times
 4. Security Officers shall report on duty daily for day and night shifts respectively from **06h00 to 18h00** and **18h00 to 06h00**.
 5. A branded security company vehicle for the Supervisor should be available for night visits. *(Supplier to provide details for all assigned resources which shall be vetted and issued with an Eskom permit for site access)*
 6. Security Officer shall be in full uniform with reflector jackets
 7. The following security aids are required to be permanently available on site:
 - Batons, handcuffs, Rain Suits, Umbrellas, working torches with chargers.
 - Supervisor's cellphones x 1 *(not supplied by ERI)*
 - two-way radios x 2 including chargers for communication purposes *(not supplied by ERI)*
 - visitors register *(provided by ERI)*
 - Equipment registers
 - Vehicle register
 - occurrence book, pens
 - pepper spray

4.2. Transportation of the Security Personnel

- a) 1 x company branded vehicle suited to transport security officers to and from the site as per Eskom policy.
- b) Same vehicle to be utilized for patrols

5. ITEMS TO BE SUPPLIED BY ERI

1. Guard house shall be installed next to the gate for access control purposes to the area.
2. Electricity supply to guard house
3. Ablution facilities
4. Portable water for consumption
5. Visitors register books

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