 Eskom	Scope Of Work	Generation
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Title **SOW for the supply, delivery and servicing of custom-made Hearing Protection devices for Eskom Kriel Power Station “as and when” required basis for the period of 5 years**

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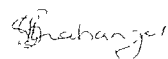
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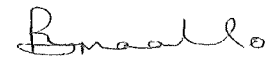
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## **1. INTRODUCTION**

Noise may be defined as unwanted, disturbing and/or physiologically damaging sound and continuous exposure to noise levels equal to or above 85dBA, averaged over eight-hour workday, may cause Noise Induced Hearing Loss (NIHL) which is permanent and irreversible

Neither surgery nor hearing aids can help correct this type of hearing loss. Short term exposure to loud noise can also cause a temporary change in hearing (ears may feel stuffed up) or ringing in ears (tinnitus). These short-term problems may go away within a few minutes or hours after leaving the noisy area. However, repeated exposures to loud noise can lead to permanent tinnitus and/or hearing loss.

Hearing Impairments and confirmed reportable occupational hearing loss remain a high risk in the Generation Division. Significant number of workers are diagnosed with preventable hearing loss due to high workplace noise levels every year. Exposure to noise also causes non-auditory effects such as abnormal adrenal hormone secretion, increased heart rate, disturbed sleep patterns and fatigue.

The average noise levels in the Turbine areas ranged between 89.8 and 99.8dBA and the average noise levels in the Boiler areas ranged between 78.8 and 97.2dBA in the survey conducted in 2023 at Kriel Power Station.

Custom-made hearing protection is moulded to the exact shape and size of an ear canal, ensuring a snug and comfortable fit. This level of comfort encourages wearers to use them constantly, which is crucial for hearing protection. The precise fit of custom earplugs creates an effective seal, blocking out harmful noises more efficiently, this results in enhanced noise reduction.

The durable materials used in custom earplugs ensure they can withstand daily wear and tear, making them a wise investment for those in need of long-term hearing protection. Custom hearing protection is easier to maintain than disposable alternatives. They can be cleaned and sanitized regularly, reducing the risk of ear infections.

## **2. SUPPORTING CLAUSES**

### **2.1 SCOPE**

The supply, deliver and servicing of custom-made Hearing Protection Devices (HPDs) for Eskom Kriel Power Station employees as and when" required basis for the period of 5 years.

#### **2.1.1 PURPOSE**

The purpose of the document is to provide a scope of work for the supply, delivery, and servicing of custom-made Hearing Protection devices for Eskom Kriel Power Station employees as and when required.

#### **2.1.2 APPLICABILITY**

This document is applicable to Kriel Power Station Risk and Assurance Occupational Hygiene.

### **2.2 NORMATIVE/INFORMATIVE REFERENCES**

#### **2.2.1 NORMATIVE**

- [1] ISO 9001:2015 Quality Management Systems
- [2] 240-55944466 Supplier Contract Quality Requirement's Specification

CONTROLLED DISCLOSURE

As a controlled document, this document is subject to change control and versioning. It is the responsibility of the user to ensure that the latest version of the document is used.

Contract Manager

- Must ensure a consistent supply, delivery, and servicing of custom-made HPDs to meet the quantities specified in this scope

## **2.6 PROCESS FOR MONITORING**

Occupational Hygiene practitioners to conduct quality control on products received by the employees

## **3. SCOPE**

### **3.1 BACKGROUND**

### **3.2 DESCRIPTION OF THE SCOPE**

SOW for the supply, delivery, and servicing of custom-made Hearing Protection devices for Eskom Kriel Power Station employees as and when required

#### **3.2.1 ITEMS LIST**

No	Item Description	Material number (Pilog)	Quantity
1	PROTECTOR, HEARING TYPE CUSTOM MADE DEVICE, MATERIAL POLYMER NON ALLERGENIC, NOISE REDUCTION RATING 92-102 DB, SPECIFICATION 240-44175132, SPECIAL FEATURES IN EAR IMPRESSION	0755941	350
2	Technician on site fee	-	30
3	Annual servicing of custom made HPD	-	1000
4	Travelling	-	30
5	Replacement of filters (if available)	-	300

The supplier for the calibration of the custom HPD must be the same as the supplier for the issuing as the some of the products can only be calibrated by the manufacture

#### **3.2.2 DOCUMENTATION SUBMISSION AND RECORDING**

Not applicable

### **3.3 PERFORMANCE GUARANTEES**

The average noise levels in the Turbine areas ranged between 89.8 and 99.8 dBA and the average noise levels in the Boiler areas ranged between 78.8 and 97.2 dBA in the survey conducted in 2023 at Kriel Power Station

The supplied custom-made hearing protection must be able to reduce the noise levels to below 85 dBA

### **3.4 STANDARDS, SPECIFICATIONS AND PROCEDURES**

CONTROLLED DISCLOSURE

Document Number	Title
<b>Eskom Standards</b>	
240-55944466	Supplier Contract Quality Requirement's Specification
QM 58	Supplier Contract Quality Requirements
<b>General Standards</b>	
ISO 9001	Quality Management Systems

This document has been seen and accepted by

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Date	Rev.	Compiler	Remarks
November 2024	1	M Maluleke	Developed the SOW

The following people were involved in the development of this document

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