	<p style="text-align: center;">SCOPE OF WORK</p>	<p style="text-align: center;">Generation Security</p>
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Title: **Supply, fit and maintain B6 Level armouring and accessories on Eskom GX supplied vehicles for the GX Security Division**

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Alternative Reference Number: **N/A**

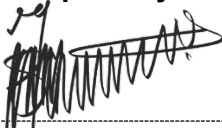
Area of Applicability: **Eskom Holdings SOC Ltd**

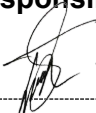
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1. Introduction

Eskom Generation has identified the need to replace the old, armoured security vehicles at various power stations. The objective is to ensure the same level of protection of convectional armoured vehicles across each power station.

The level of Political and Socio-Economic status of the country substantially has increased over the past few years. Generation sites have to frequently deal with unrest /unprotected strikes and marches by communities and labour forums. Armed robberies, hijackings and cash heists are unfortunately just some of the dangers faced by security forces in South Africa. In order to protect our National Key Point sites, with the view of security personnel responding to these issues, they need to be adequately protected to perform their functions as protective services. Eskom cannot solely depend on external stakeholders to render their assistance when required. The current Generation old armoured modified vehicles are unable to withstand the weight impact of armour package and resulting in frequent mechanical maintenance issues and long lead times of unavailability.

Approval by GEXCO committee was granted to purchase and supply one (01) X double cab and one (01) single cab Landcruiser armoured convectional vehicles per station.

1.1 Scope of work

The Eskom Generation Security Division requires the services of a Manufacture and/or manufacture Accredited installer to convert supplied vehicles into B6 armoured vehicles according to the set specifications. The type of vehicles that will be supplied by Eskom are:

- 21 x Toyota Land Cruiser Diesel Single Cabs or similar.
- 21 x Toyota Land Cruiser Diesel Double Cabs or similar.

1.2 Applicability

This document shall apply throughout Eskom Holdings Limited Generation Division, including but not limited to:

1. Arnot
2. Ankerlig
3. Camden

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4. Drakensberg
5. Duvha
6. Gourikwa
7. Grootvlei
8. Hendrina
9. Ingula
10. Kendal
11. Kriel
12. Koeberg
13. Komati
14. Kusile
15. Majuba
16. Matla
17. Matimba
18. Medupi
19. Tutuka
20. Palmiet
21. PED_KWS

1.3 Effective date

Upon authorisation.

1.4 Normative / Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

1.4.1 Normative

- [1] ISO 9001 Quality Management Systems.
- [2] National Road Traffic Act, No 93 of 1996

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- [3] Fleet Management Policy DOC Number: 32-1279
- [4] Driver and Vehicle Safety Management Procedure Doc number: 240-62946386
- [5] Constitution of the Republic of South Africa, 1996.
- [6] Occupational Health and Safety Act, No. 85 of 1993.
- [7] Private Security Industry Regulation Act, No, 56 of 2001.
- [8] Firearms Control Act 60 of 2000
- [9] Critical Infrastructure Protection Act 8 of 2019
- [10] Basic Conditions of Employment Act 75 of 1997
- [11] Eskom Firearms and Ammunition Standard 240-58450122
- [12] Eskom's Life Saving Rules Standard 240-62196227

1.4.2 Informative

None

2. Definitions

Standard: A document established by consensus that provides for common and repeated use, rules, guidelines or characteristics for activities or their results, aimed at the achievement of the optimum degree of order in a given context.

2.1. Abbreviation

Abbreviation	Description
LDV	Light delivery vehicle
D/C	Double cab
S/C	Single Cab
KW	Kilowatts
NM	Newton Meters (NM x speed RPM revolutions per minute)
OEM	Original Equipment Manufacture
ISO	International Organization for Standardization
B6	The level of protection that your car has against rounds fired by rifles. The ballistic glass used for the windows in the B6 armoured vehicle has an increased thickness and stops the shots fired by an AK-47 and assault rifles.

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3. Specification

3.1 Armoured Ballistic Specifications

Vehicle Description	Job	ARMOUR B6 DISCREET SECURITY CONVERSION LANDCRUISER DOUBLE CAB & SINGLE CAB LDV'S
Glass/Window		Front Windscreen: Curved windscreen with appropriate protection against high power rifles according B6 level of protection.
		Back windows: with appropriate protection against high power riffles according B6 level of protection.
		Side Window: None discreet side windows with gun ports (both sides) with appropriate protection high power riffles according B6 level of protection
Passenger Cabin:		Doors, roof, A, B and C pillar posts, side panels, kick-panels, full firewall to be armoured with according B6 level of protection.
		Overlap system used on all doors.
Safety Systems		Armouring process must not interfere and or compromised the vehicle's OEM safety systems, i.e. airbags, safety belts, ABS systems
Vehicle Structured Modifications:		Front and rear suspension to be upgraded to support additional weight.
Battery:		Battery compartment to be armoured according B6 level of protection
Door Supports:		Heavy duty door hinges to be fitted on all doors to support the additional weight on the doors. Where applicable, A, B & C pillars to be re-enforced to support the heavy duty door hinges
Electronic control Module:		All ECU's to be protected according B6 level of protection.
Fuel System:		Fuel tank protection according B6 level of protection
Siren and External Listening Device		P/A with intercom system.
		Intercom system with an External Listening Device
After Sales		The manufacture must provide aftersales support on all vehicle, at all sites where the vehicles will be based
Warranty on ballistic equipment		Manufactures to give 12 Month warranty.

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Vehicle compliance	Total weight of vehicle must comply with OEM specifications
	Front axle weight and rear axle weight must be within OEM specifications
	The vehicle must comply to National Road Traffic Act and Regulations
Service plan on ballistic equipment	The supplier must provide a service plan on the armouring for a period of 12 months
Training	The manufacture must provide a “Training the trainer” training, on on the equipment fitted on the vehicles as well as how to maintain the vehicles to ensure that the vehicle and the ballistic equipment are always in good operating state.
Accessories	360-degree view camera Platform
	Roller shutters manual, lockable, black
	Strobe LED lights (White): front grill and rear bumper.
	OEM Approved, Airbag compatible Wrap around bull bar
	Set of 7’ LED off road driving lights
	Rubberise floor inside the cab (where applicable)
	Under carriage protection for off road condition

3.2 Accessories

All fitted accessories must be SABS/OEM approved.

Note! Eskom reserves the right to select the accessories that they want fitted on the vehicle, it is not by default that the listed accessories will all be fitted on the vehicles.

4. Maintenance guarantees and warranties.

4.1 Maintenance, and Repairs.

When the vehicles are being armoured, care should be taken as much as possible so that the OEM warranty is not compromised.

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The end-user must make sure that vehicles are maintained and serviced timeously according to manufacturer's specifications.

4.2 Guarantees and Warranties

Upon delivery, the service provider must provide all necessary documentation stating and stipulating the guarantee and warranty detail, i.e.: duration, terms, and condition.

4.3. Training

The service provider must provide training on the equipment fitted on the vehicles as well as how to maintain the vehicles to ensure that the vehicle and the ballistic equipment are always in good operating state.

4.4. Safety

The Contractor must comply to Eskom's safety procedures and regulations according to each site requirement when required to be on site.

4.5. Authorisation

This document has been seen and accepted by:

Name & Surname	Designation
Isaac Tshehla	Officer Fleet Technical
Tessa Sibeko	Senior Advisor – GX Security
Monette Roets	Middel Manager - GX Security

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