Capital Application Form

PART A – REFERENCE INFORMATION			
Operation Name	Nchwaning 3	**Vote No.**	805220232003
Application Date	13/11/2024	**Project Leader**	Jacques Breet
Project Title	N3 BEV CHARGING BAY 2		
Project Value	R 106,153,799.00		
Project Start Date	February 2025	**Project End Date**	June 2026

Capital Approval Level

☐ **Senior General Manager and Financial Manager**

☐ **Executive Operations (Mines)** **and Senior Executive Finance**

☐ **One ARM and One Assore Exco Member**

☒ **Two ARM and Two Assore Exco Members**

☐ **Board Approval**

Type of Capital

☐ **Consolidated Assessment** ☒ **Capital Application** ☐ **Replacement Capital**

EXECUTIVE SUMMARY

The capital application is to apply for funding to construct and equip a second underground battery charging bay at Nchwaning 3, it will service the second fleet of BEV`s. The first charging bay was successfully completed and commissioned in September 2022 and is servicing the first fleet of BEV`s, the team has considered all the key learnings and revised the design accordingly.

BEV Motivation Overview

- Transitioning from a diesel fleet to a full BEV fleet drastically reduces the heat load and ventilation requirements for the Nchwaning 3 operation. This not only reduces the capital expenditure and power consumption of the ventilation system, but BEV's also

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provide the underground workers with much improved working conditions by improving air quality and reducing heat, vibration and noise.

- Although the BEV fleet is slightly more expensive over the LOM, when assessing the operation holistically, including ventilation requirements, power requirements, infrastructure and maintenance, the BEV's provide a significant benefit over the LOM with potential upside going into the future with this technology.
- Transitioning to a hybrid fleet (only replacing the primary vehicles with BEVs) will still result in a significant heat load reduction and reduced ventilation requirements. A significant benefit is still realised over the LOM by replacing the Load and Haul vehicles only.

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BUDGET SUMMARY

Description	R	Percentage
Design & Build Charging Equipping Project team **Sub-Total**	R 47,276,470.00 R 24,838,607.00 R 9,840,033.00 R 3,144,937.00 **R 85,100,047.00**	
Escalation	R 6,808,004.00	8%
Contingency	R 9,190,805.00	10%
Fees	R 5,054,943.00	5%
Total	**R 106,153,799.00**	
Amount approved in 5 year plan	**R 40,189,204.00 Y1** **R 70,331,103.00 Y2**	

Expenses that need to be capitalised include any costs directly attributable to bringing the assets to its intended working condition. This includes costs of outside contractors as well as the time spent by resources on capital projects.

CATEGORISATION:

Complexity	✓	Guide	Project Value R'mil	✓
High Complexity	✓	Requires design, multi-disciplinary inputs and site construction work	>R500m	
			>R250m	
			>R70m	✓
			>R30m	
Low Complexity		Equipment related or provision of services where no design work is required	<R30m	
			<R5m	

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PART B – QUALITY ASSURANCE

Heads of Departments (HODs) or Specialists

Name and Designation	Comment *(from specialist and other stakeholders)*	Signature
Sello Taku Manager Engineering		Signed by:Sello Taku Signed at:2024-11-19 08:07:02 +02:00 Reason:I approve this document Sello Ta
Malcolm Smit Manager Finance	The Capital application is supported and approved. This is urgent infrastructure required to enable and optimise the	

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Designation	Recommended by	Signature	Recommendation signatures required
ARM Technical			Projects >R1m or as requested
Executive Operations Support			Projects >R5m
Executive Projects			Projects >R70m

Recommendation comments where applicable.

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PART C – APPROVALS

In this section all relevant stakeholders required to approve the application.

Signatories – *Application is signed according to the Delegation of Authority*

	NAME	SIGNATURE	DATE
Operational Capital ≤R15m In Plan			
SGM	**Xolani Qamata**	Signed by:Xolani Qamata Signed at:2024-12-03 14:37:24 +02:00 Reason:I approve this document Xolani	
Financial Manager	**Malcolm Smit**	Signed by:MECHIEL JOHANNES SMIT Signed at:2024-12-02 13:37:13 +02:00 Reason:I approve this document MECHI	
Operational Capital >R15m ≤R30m In Plan			
Executive Operations (Mines):		Signed by:Kajal Bissessor Signed at:2024-12-12 18:34:05 +02:00 Reason:I approve this document Kajal Bis	
Senior Executive Finance			
EXCO >R30m ≤R60m In Plan			
ARM EXCO member 1		Signed by:Kopano David SELEMO Signed at:2024-12-09 10:05:11 +02:00 Reason:I approve this document Kopano	
Assore EXCO member 1	Signed by:CHRISTO KUHL Signed at:2024-12-11 09:46:38 +02:00 Reason:I approve this document CHRIST		
EXCO >R60m ≤R120m In Plan			
ARM EXCO member 2		Signed by:ANDRE JOUBERT Signed at:2025-01-21 13:59:15 +02:00 Reason:I approve this document ANDRE	
Assore EXCO member 2	Signed by:Bastiaan H van Aswegen Signed at:2025-01-21 12:48:01 +02:00 Reason:I approve this document		
Board Approval >R120m in Plan			
Company Secretary			

Comments by signatories where applicable.

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PART D – MOTIVATION

1 PROJECT BACKGROUND

BRMO has embarked on a journey to reduce investment in underground ventilation by replacing its existing primary TMM fleet with battery-operated machines.
These machines operate by using battery power and batteries need to be charged and exchanged regularly. For this, infrastructure is needed in strategic areas.

2 SCOPE OF THE PROJECT

Complication:
The safe exchange of batteries on the BEV's require the use of specialised lifting equipment as batteries weigh in excess of 5 tons. They need to be lifted and lowered into position with the use of overhead cranes. Special battery chargers and charging stations are used to charge the batteries.

Opportunity:
This application is to design, build, and equip a charging bay to enable the safe and efficient use of Battery Electric Vehicles.

3 ALTERNATIVES CONSIDERED

No alternatives considered.

4 BUSINESS CASE

The project is a prerequisite for the BEV's. It will allow for the safe charging and exchanging of batteries in order for the BEV's to function effectively as per design criteria. The project also includes a service area.

BUSINESS DELIVERABLES
A well-designed and complete charging bay will allow the BEV fleet's batteries to be safely charged and exchanged.

FINANCIAL MOTIVATION

Assumptions:

Net Present Value (NPV)	N/A
Internal Rate of Return (IRR)	N/A
Pay Back Period	N/A

CASHFLOW ESTIMATE

Cash flow is estimated per below:

	FY2425	**FY2526**
N3 BEV BATTERY BAY 2	R 30,945,473.00	R 54,154,574.00

5 TECHNICAL SUMMARY

The design and civil works will be managed by the BRMO Project team. It will be based on the same principles as Bay 1 and include lesson learned from the use of Bay 1.
Chargers and posts are acquired from the OEM (Epiroc) and will be installed by BRMO.
All electrical infrastructure will be installed by the BRMO onsite team.

GEOLOGY AND MINERAL RESOURCES

N/A

MINING METHOD AND PLAN SUMMARY

Mining works will be completed by the end of November 2024; final scanning is scheduled for the first week in December 2024.

METALLURGICAL

N/A

SITE AND INFRASTRUCTURE

A suitable site was identified based on the below factors:

Safety
- Ventilation
- Flooding
- Fire risk (New technology in battery safety)
- Traffic Management

Mining
- Slyping to be done
- Expansion properties
- Services available
- Electricity (availability & capacity)
- Water
- Wi-Fi

Operational
- Location w.r.t working areas and tips (Current)
- Location w.r.t working areas and tips (Future)
- Accessibility from Seam 1 & Seam 2 sections
- Start– and end of shift travelling

Technical
- Location w.r.t workshop
- Maintenance strategy

Infrastructure is based on OEM specification and the charging bay design will be based on the principle design of battery bay no 1. Lessons learned have been included in the design.

ENGINEERING

As per detailed design.

CIVIL & EARTHWORKS

Civils and Mining works as per Mining scope.
See annexure list – Detail bill of quantities and rock mechanic recommendation.

STRUCTURAL

All structural installations will be as per design criteria to ensure the required SWL and other related standards are complied with.

MECHANICAL

Included in Civil scope (overhead cranes) to comply with BRMO standards.

CONTROL AND INSTRUMENTATION

The area will be equipped with Wi-Fi to ensure all the required communication and instrumentation systems function as per design.

ELECTRICAL

The electrical infrastructure will be as per design/load requirements. Review of the current electrical infrastructure and future requirements has commenced and has been included in a separate capital application.

FIRE CONTROL

As per BRMO standards and risk assessments. “Inpanel” charger fire suppression and automatic fire doors costs have been included in this capital application.

6 OTHER PROJECT CONSIDERATIONS

MARKETING

N/A

LEGAL & FISCAL

N/A

HUMAN RESOURCES

Organisational requirements and labour planning are in line with the overall BEV strategy.

SAFETY AND HEALTH

Product to comply with MHSA requirements as well as BRMO SHEQ policy.
The Mines Safety Rules and Regulations will be followed; the contractors will supply a Mine Standard Safety File before the commencement of any work. Equipment will be supplied with a complete risk assessment, vehicle data specification packs and maintenance/operator manuals.

ENVIRONMENTAL

Water management (pumping and oil separator) has been included in the design criteria.

SUSTAINABLE DEVELOPMENT

N/A

PROCUREMENT

The Mine`s tender procedure and procurement policies will be followed and adjudication done accordingly.

ONGOING OPERATIONAL COST

Maintenance cost included in business plan.

7 PROJECT MANAGEMENT SUMMARY

EXECUTION APPROACH

Mining team will function under supervision of the shaft in line with recommendations of the BRMO project team. BRMO project team will manage construction and equipping phase.

SCHEDULE

Project plan to be finalised, estimate of 17 months based on scope of work.

PROJECT RESOURCES

OPERATIONAL READINESS REQUIREMENTS

Current Dump Truck and Front End Loader Operators are trained and licensed to operate the BEV equipment.

RISKS

Mining and construction risks will be managed as per BRMO standard operating procedures and as per controls identified in issue base risk assessments.
Business risk – Not building a second battery charging bay will negatively affect production as the replacement BEV TMM will not be able to be put into production.

8 CONCLUSION AND RECOMMENDATION

A well-designed and functioning Charging Bay is a critical part to ensure the successful implementation and sustainability of the Battery Electric Vehicles. It will allow for the safe charging and changing of batteries on the BEV fleet.

It is therefore recommended that the capital application, to the value of R 106,153,799.00 be approved.

APPENDIX 1 SUPPORTING DOCUMENTS AS APPLICABLE

SPECIALISTS STUDIES

N/A

APPENDIX 2 SPECIFICATIONS, QUOTATIONS, BILLS OF QUANTITIES

1) Presentation – Design principle
2) Cost overview per element
3) General Lay out Design
4) Rock Mechanic Recommendation

ASSMANG MANGANESE

BLACK ROCK MINE OPERATIONS

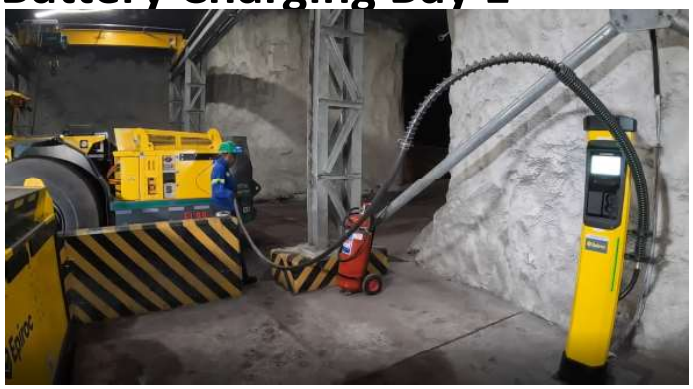
Nchwaning 3
BEV Charging Bay no2
Capital Application

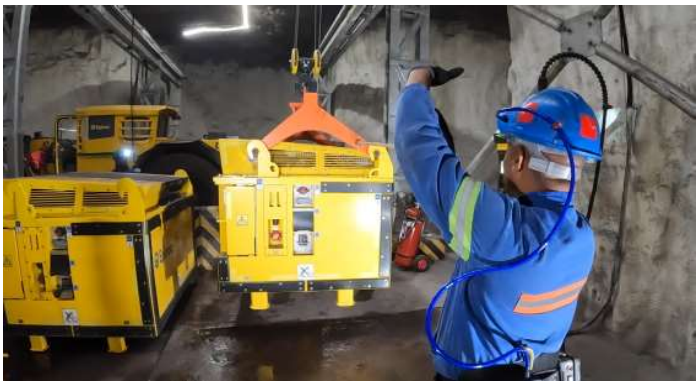
Executive Overview

The Capital application is to construct and equip a second underground Battery Charging Bay at Nchwaning 3 shaft which will service the second fleet of BEV's.

The Charging Bay 1 was successfully completed and commissioned in September 2022 and is servicing the first fleet of BEV`s. Key learnings was considered by the team and the design was revised accordingly. See photos on next slide.

Battery Charging Bay 1





Capital Cost Summary
Charging Bay

	CAPEX	
Description	**Total**	**Notes**
Consulting Design	R 3,902,519	Project consulting engineering team
Mining works	R 0	
TSL - Fibrecrete	R 2,466,240	Fibercrete all pillars & hanging wall, Strap pillars
Civil works	R 38,029,979	All Civil & Structural works & Manitou rental
Overhead crane	R 2,877,732	2 x Overhead Cranes
Chargers & Posts	R 24,838,607	Chargers & Posts, Auto vent doors
Transformers	R 2,283,580	2 x Main Transformers, 1 x Portable transformer, Trailer
Cabling	R 3,206,453	Allowing for all cabling
Equipping	R 500,000	Special tools & equipment
Lubrication system	R 3,850,000	Lubrication system for hydraulic oil & lubes
BRMO project team	R 3,144,937	BRMO project team
	R 85,100,048	

CAPEX			
	Value		**Notes**
Project Capital	**R 85,100,048**		
Escalation	**R 6,808,004**	8%	
Contingency	**R 9,190,805**	10%	
Total cost	**R 101,098,857**		
Fees	**R 5,054,943**	5%	
Total vote	**R 106,153,800**		

Stabilis	Unit cost	Units	Cost
Project	3918411.77	1	3,902,518.27

PROJECT: NCHWANING 3 UNDERGROUND CHARGING BAY NO 2 7-Nov-24

SUMMARY: REVISED ADDITIONAL FEES		Unit	Qty	Rate	Amount
Construction Value according to latest tender evaluation amount -	R 38,029,979.00				
Fee Engineering: R 1,857,000 + 9,5% (Construction Value - R19,066,000) =		Fee	1	R 3,658,578.01	R 3,658,578.01
Clerk of Works		Months	14	R 103,425.00	R 1,447,950.00
Trips		No	28	R 9,900.00	R 277,200.00
Off-site quality inspection		No	4	R 14,600.00	R 58,400.00
Site Surveys		No	20	R 13,762.00	R 275,240.00
Deduct Current Fee for Pre-works (Stage 1 and 2)		Sum	-1	R 1,814,849.74	-R 1,814,849.74
TOTAL ESTIMATED FEE (EXCL. VAT):					R 3,902,518.27

FEE BREAKDOWN: PROPOSED REVISED ADDITIONAL FEE PER STAGE:		Unit	Qty	Rate	Amount
Construction Value according to latest tender evaluation amount -	R 38,029,979.00				
Construction Value according to oriinal fee estimate -	R 26,809,605.00				
Stage 1: Design					**R 639,561.32**
Engineer		%	60	R 3,658,578.01	R 2,195,146.81
Deduct: Existing Fee					-R 1,555,585.49
Stage 2: Procurement					**R 106,593.55**
Engineer		%	10	R 3,658,578.01	R 365,857.80
Deduct: Existing Fee					-R 259,264.25
Stage 3: Construction Management					**R 914,644.50**
Engineer		%	25	R 3,658,578.01	R 914,644.50
Stage 4: Close-out					**R 182,928.90**
Engineer		%	5	R 3,658,578.01	R 182,928.90
Disbursements and other:					**R 2,058,790.00**
Clerk of Works		Months	14	R 103,425.00	R 1,447,950.00
Trips		No	28	R 9,900.00	R 277,200.00
Off-site quality inspection		No	4	R 14,600.00	R 58,400.00
Site Surveys		No	20	R 13,762.00	R 275,240.00
TOTAL ESTIMATED FEE (EXCL. VAT):					R 3,902,518.27
				ROUNDED	R 3,902,519.00

EXISTING ORDER (Based on estimated construction value of R 26,809,605,00:

BLACKROCK: NCHWANING III: CHARGING BAY 2

1. Based on the cost structure of the existing charging bay, the preliminary design and procurement portion of the proposed new charging bay amounts to the following:

1.1	Stage 1: Design: 60% of R 2 592 642.48	= R 1 555 585.49
1.2	Stage 2: Procurement: 10% of R 2 592 642.48	= R 259 264.25
1.3	Trips: 4 @ R 9 900.00	= R 39 600.00
1.4	Site surveys: 3 @ R 5 880.00	= R 17 640.00
1.5	Clerk of Works: R 98 500.00 x 25%	= R 24 625.00
	Total (Excl. VAT)	**R 1 896 714.74**

	Unit cost	Units	Cost
Area preparation Works			**2,466,240**
TSL	324	5760	1,866,240
Strapping	600,000	1	600,000

Cubes		
8x8 squares (roof)	30	1920
Pillars	15	3840
		5760

Civil works	Unit cost	Units	Cost
Construction	38,029,979.00	1	38,029,979.00
			38,029,979.00

Overhead cranes	Unit cost	Units	Cost
Crane price	703,308	3	**2,109,924**
Electrical	102,819	3	**308,457**
Delivery	74,375	3	**223,125**
Installation	11,850	10	**118,500**
Bridge	17,342	3	**52,026**
Remote	21,900	3	**65,700**
			2,877,732

SCHEDULE OF PRICE **EXCLUDING VAT**

ITEM 1

a) Three 10 ton Condra standard double girder electric overhead travelling cranes, class 2m complete ex factory Germiston as per our specification, general conditions of tender and standard conditions of contract. **R 703 308.00 each**

b) Supply of downshop power supply for a length of 77.0 metres consisting of a 4 pole enclosed conductor system. including isolator and two hospital bays. **R 102 819.00**

c) Delivery to site. (Hotazel) **R 74 375.00 each**

d) Installation of an item (a) on an existing gantry with access for a mobile crane including commissioning. (Supply of mobile and cherry picker excluded) See note **R 11 850.00 / day**

OPTIONAL EXTRAS

a) Dual speed on hoist motion **Included**
b) Dual speed on cross travel **Included**
c) Dual speed on long travel **Included**
d) Independent control **Included**
e) Full length walkway on bridge **R 17 342.00 each**
f) Supply and fit a load limiting device **Included**
g) Condra standard paint specification **Included**
h) Load cell with digital display **Included**
i) Flashing light and siren **Included**
j) Overload limit switch **Included**
k) Long travel and cross travel limit switch **Included**
l) Remote control combo system **R 21 900.00 each**

NOTE : The price quoted for installation and commissioning of item (a and b)excludes mobile crane, cherry picker scaffolding, induction, safety file, accommodation, SHEQ documentation, medicals and any standing time whatsoever. All standing time will be charged at our normal rate. Should site load testing be required after installation, the necessary test weights are to be supplied by your good selves.

Epiroc	Unit cost	Units	Cost
Charger	2,680,456.00	6.00	16,082,736.00
Post	346,300.54	6.00	2,077,803.24
Cable	107,748.29	6.00	646,489.74
Fire Supression	617,376.00	6.00	3,704,256.00
Auto Vent Doors	827,322.24	1.00	827,322.24
Vent door equip and fans	1,500,000.00	1.00	1,500,000.00
			24,838,607.22

Epiroc South Africa (Pty) Ltd
Co.Reg. Number 1911/003838/07
www.epiroc.com

H/Office: Innes Road, Jet Park, Boksburg, 1459. TEL:821-9000
Rustenburg: Mabe Business park,Kgwebo nr 7 Kgwebo Street, Waterval East, Ext 4. Tel: 011 821 9094
Kuruman: 11 Marietta Circle, Kuruman, 8460. TEL: 05371 2283/71
Steelpoort: No 16A Dorgoring Street, Steelpoort , 1133. Tel: 013 230 0020/00

Scan QR code to view our standard terms and conditions

QUOTATION

QUOTATION NO.	406590
DATE	8/11/24
BRANCH NO.	

VAT REG. NO. 4530106204

ADDRESS
ASSMANG LIMITED MANGANESE-MIASSMANG MANGANESE MINE
BLACK ROCK MINE (PSD ACCOUNT)
.
P.O. BOX 187
SANTOY
8491

DEAR CUSTOMER
Please receive below quotation. On acceptance of this quote, kindly email your purchase order to customer.care@epiroc.com and include the quotation number

MACHINE TYPE		CUSTOMER NO.	43200	CUSTOMER REF.	

LINE NO.	DESCRIPTION	PART NUMBER	QUANTITY	U/M	PRICE PER UNIT	DISCOUNT	NET AMOUNT	VAT	NET AMOUNT INCL.
1	POWER CABINET	9464900016	6	EA	2,680,456.00	.00	16,082,736.00	2,412,410.40	18,495,146.40
2	POST,CHARGING	6060027017	6	EA	346,300.58	.00	2,077,803.48	311,670.52	2,389,474.00
3	CABLE	6060017169	6	EA	107,748.29	.00	646,489.74	96,973.46	743,463.20
4	MODULE,POWER	6060017474	1	FA	.00	.00	.00	.00	.00
5	FAN,MOTORIZED	6060021178	10	EA	.00	.00	.00	.00	.00
6	CABLE	6060017169	2	EA	.00	.00	.00	.00	.00

ItemCode	Description	Quantity	Price	Disc %	Total ZAR
ASSMANG FIRE DOOR PROPOSAL					
0GCDB001	ARC C 600DC MOTOR & BACK-UP BATTERY	4,00	13 528,26	0.00	54 113,04
0GCDB001	ROLLER SHUTTER FIRE DOOR	4,00	137 427,30	0.00	549 709,20
0GCDB001	FIRE DOOR CONTROL PANEL	4,00	13 000,00	0.00	52 000,00
0GCDB001	TRANSPORT	1,00	12 500,00	0.00	12 500,00
OPTIONAL					
0GCDB001	TRAVELLING, ACCOMMODATION, COMMISSIONING & TRAINING	1,00	159 000,00	0.00	159 000,00
MEDICALS & INDUCTIONS NOT INCLUDED					

Subtotal	827 322,24
Net Amount	**827 322,24**
VAT 15,0% (O1) on 827 322,24	124 098,34
Total ZAR	**951 420,58**

	Unit cost	Units	Cost
Transformers			
Main Charging transformer	1,141,790.00	2	*2,283,580.00*
			2,283,580.00

Cooling - KNAN
Vector Group - Dyn11

L.T. COMPARTMENT : This compartment will contain the following main components:
1 x 1250 Amp main circuit breaker
400V - 800KVA
3 x 250 Amp 4 pole circuit breakers
550V - 100KVA
1 x 100 Amp 3 pole circuit breaker
3 x 32 Amp 3 pole circuit breakers
400V
1 x 40 Amp 4 pole circuit breaker
6 x 20 Amp 2 pole circuit breakers

1 x Dial thermometer
9 x Ammeters and current transformers
3 x Voltmeters
1 x Adit relay and neutral C.T.
4 x 31-ohm resistors
1 x Explosion vent
The unit will be mounted on a base plate fitted with skids and will be finished in B26 orange.
This unit will be filled with ESTER transformer oil.

PRICE : R1,141,790-00 Nett, firm, delivered & offloaded, excluding VAT.

DELIVERY : Delivery can be effected within 16-18 working weeks from date of receipt of your official order number.
Steelcor will be closing for the annual shutdown from the 13th of December 2024 to the 13th of January 2025.

Cabling	Supplier	Length m	Cost/unit	Cost
HT - 35mm XLPE	Aberdare	600	R 644.22	R 386,532.00
25mm Earth	Aberdare	600	R 52.39	R 31,434.00
1.5mm multicore	Aberdare	1500	R 72.85	R 109,275.00
35mm 4 core DC cable	Aberdare	1500	R 1,028.00	R 1,542,000.00
UTP	Interconnect Systems	1000	R 20.69	R 20,691.00
70mm 4 core	Stock	600	R 654.12	R 392,471.46
Cabling	**Stock no**	**Unit cost**	**Units**	**Cost**
Spot Lights	Voltex	19,950.00	29.00	578,550.00
LED Lights	8400000280079	4,850.00	30.00	145,500.00
				3,206,453.46

Quotation Details

Item	Material Description	Quantity	Unit Price	Amount
000001	XCAL035C03KS04SD3 (PLANT:5800) CU35/3 XLP IS PVC SWA PVC BC SA11KV Qty St Length Delivery Date Rev.Del.Date 00002 300.000 M 05.04.2024 *11-13 Weeks delivery from date of order received.*	600 M	644.22 per 1 M	386,532.00
000002	RRTF035T04FF00PD5 (PLANT:5900) TCU 35/4 EPM CNB CM BB Qty St Length Delivery Date Rev.Del.Date 00003 500.000 M 05.04.2024 *4-6 Weeks delivery from date of order received.*	1,500 M	1,028.00 per 1 M	1,542,000.00
000003	CGWA025C01ZS00PLX (PLANT:5000) CU 25mm2 Circ Comp Conductor (7 Wires) Qty St Length Delivery Date Rev.Del.Date 00001 600.000 M 05.04.2024 *2-4 Weeks delivery from date of order received.*	600 M	52.39 per 1 M	31,434.00
000004	BMAL1.5C07ESBCPD5 (PLANT:5900) CU 1.5/7 PVC PVC SWA PVC BC LOHAL Qty St Length Delivery Date Rev.Del.Date 00003 500.000 M 05.04.2024 *5-7 Weeks delivery from date of order received.* *All prices are subject to metal, material and copper price adjustments.*	1,500 M	72.85 per 1 M	109,275.00
			VAT @ 15%	310,386.15
			Total Amount	**R 2,379,627.15**

Item Code	Description	Qty	Unit Price	Line Discount	Line Total
HB17-600W - HiFar	LED LIGHT 600W 160LM/W 5 YEAR WARRANTEE	29.00	19 950.00	0.00	578 550.00
5FT-LED-WP-2T -	5FT WATERPROOF FITTING 2X24W WIRED FOR LED	4.00	285.00	0.00	1 140.00

Banking Details:
Bank Name: STANDARD BANK
Account No: 242590977
Account Type: CURRENT
Branch Code: 051001
Reference : QT3021007519

Number of Items

33

Subtotal (Exclusive)	579 690.00
Document Discount	0.00
Vat	86 953.50
Total	666 643.50

BRANCH/PLANT	CREDITOR NAME	ORD TP	ORD NO	ITEM CODE	PURCHASE	UNIT COST
MAIN STORE	VOLTEX (PTY) LTD	#O3	23000782	8400000280079	Light Strip LE	4,850,00

Tools	Unit cost	Units	Cost
Special tools	500,000.00	1	500,000.00

Black Rock Project team cost

Project team(7,5%)	R 3,144,937

	Budget	Current Budget
1	**Construction**	
1	Construction Cost	R 38,029,979
1	Consulting Fees-Construction	R 3,902,519
1	Owners team cost (7,5%)	R 3,144,937

Lubrication system	**Unit cost**	**Units**	**Cost**
Complete unit	840,000		3,850,000