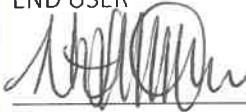


SCOPE OF WORKS

Management of Foskor Mining Division Personal Protective Equipment/Clothing (PPE)

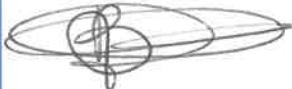
SIGNATURES

END USER


503546
Dineo Mgaga

24/07/2024
Date

PROJECT OWNER


Bulelwa Mpofu
Senior Manager SSHE

24-07-2024
Date


Joseph Mathebula
Senior Manager EXT 8, D & D

24/07/2024
Date

SCOPE OF WORK

Tender No.:

Description: FOR THE SUPPLY AND DELIVERY OF PERSONAL PROTECTIVE EQUIPMENT (MINING PPE) TO FOSKOR (Phalaborwa)

SECTION 1

1. SCOPE DETAILS

Background

Foskor (Pty Ltd) is a company, whose primary focus is the production and marketing of Phosphoric Acid and related product, consisting of two divisions situated in Phalaborwa and Richards Bay respectively. Phosphate rock is supplied by Foskor Phalaborwa to Foskor Richards Bay, where Phosphoric Acid and granulated fertilizers is manufactured.

The Phalaborwa division consists of Mining, Comminution & Beneficiation and Tailings management, and the Richards Bay division is divided in Phosphoric Acid, Sulphuric Acid and Granulation production. Phalaborwa Operations produces approximately 2.6 million tons of phosphate annually. As part of the mining process, approximately 50 thousand tons of mine residue need to be disposed daily on mine residue facilities.

The Mine Health and Safety Act (MHSA) requires that employers protect employees from workplace hazards that can cause injury or illness. Controlling a hazard at its source is the best way to protect workers. However, when engineering, work practice and administrative controls are not feasible or do not provide sufficient protection, employers must provide personal protective equipment (PPE) to employees and ensure its use.

PPE is equipment worn to minimize exposure to a variety of hazards. Examples include items such as gloves, foot and eye protection, protective hearing protection (earplugs, muffs), hard hats and respirators.

Foskor Mining Division in Phalaborwa currently has a PPE store inside the Mine for all employee's provision of PPE. The management function of this PPE facility is currently outsourced to an external service provider of which the contract needs to be renewed. The purpose of this scope is to request quotes from accredited service providers in the industry for the management of the Mine Personal Protective Equipment / Clothing store for a period of three (3) years only.

Case for change

As part of Foskor's corporate governance process, long term service contracts need to be reviewed on regular intervals.

REQUEST FOR PROPOSAL

Service providers who **specialize in the provision and management of Mine Personal Protective Equipment facilities inside the mine (PPE)** are requested to submit quotes for the management of Foskor Mining Division PPE Store for a period of three (3) years as per this detailed scope.

DELIVERABLES

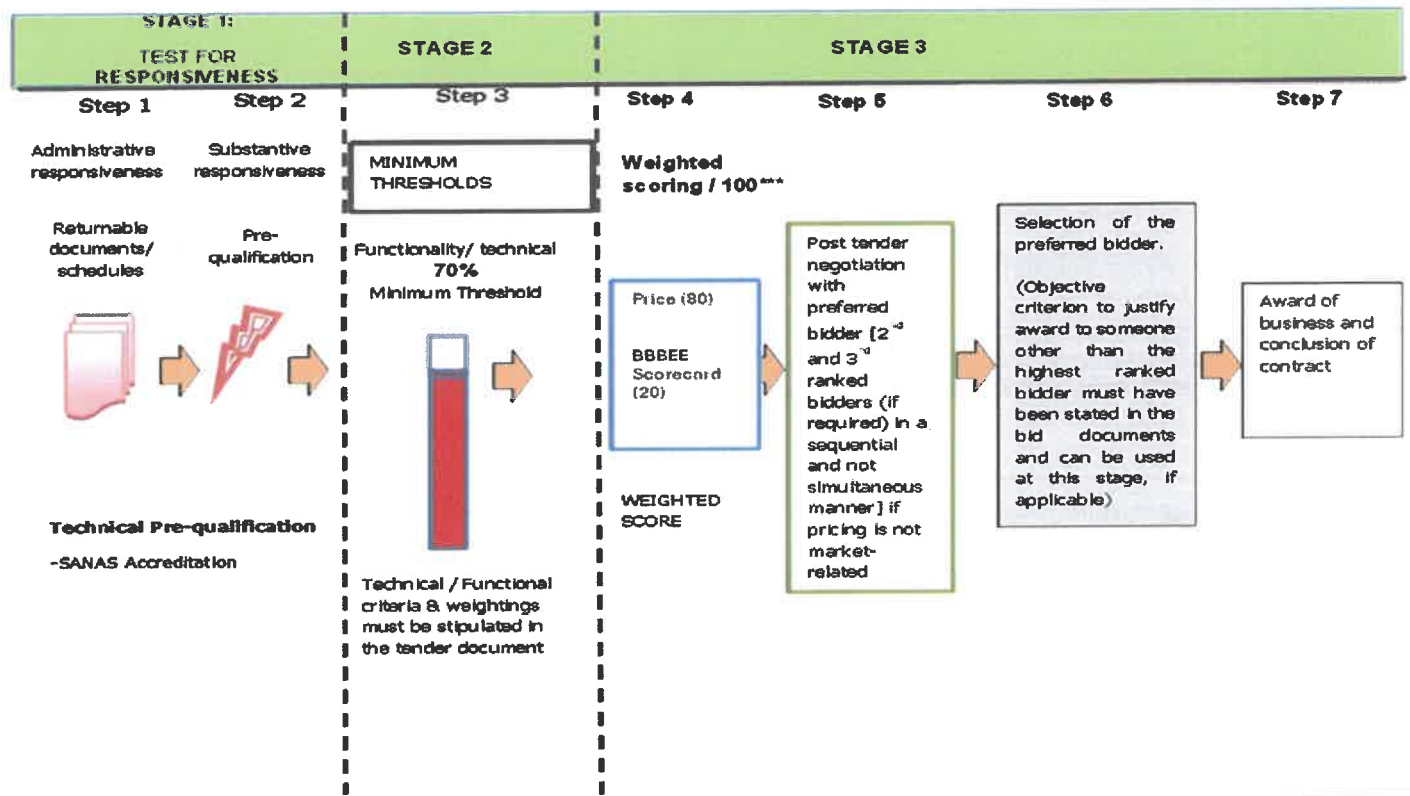
The effective day to day management that will ensure that all mine employees are protected from the workplace hazards that can cause injury or illness and thus driving a Zero Harm objective.

CONTRACT PERIOD

The expected contract period will be for three (3) years.

2. TENDER PROCESS

EVALUATION METHODOLOGY



2.1 Step One: Test for Administrative Responsiveness

The test for administrative responsiveness will include the following:

Administrative responsiveness check	
•	Whether the Bid has been lodged on time
•	Whether all Returnable Documents and/or schedules [where applicable] were completed and returned by the closing date and time
•	Verify the validity of all returnable documents
•	Verify if the Bid document has been duly signed by the authorised respondent

The test for administrative responsiveness [Step One] must be passed for a Respondent's Proposal to progress to Step Two for further evaluation.

2.2 Step Two: Test for Substantive Responsiveness to RFP

The test for substantive responsiveness to this RFP will include the following:

Check for substantive responsiveness
<ul style="list-style-type: none"> Whether any general criteria set by Foskor, have been met
<ul style="list-style-type: none"> Whether the Bid contains a priced offer
<ul style="list-style-type: none"> Whether any general pre-qualification criteria set by Foskor, have been met Compulsory Briefing Session Whether a Valid and original (or a certified copy) of proof of Bidder's compliance to SANS Accreditation has been received.

The test for substantive responsiveness [Step Two] must be passed for a Respondent's Proposal to progress to Step Three for further evaluation.

2.3 Step Three: Technical Evaluation

Minimum Threshold of 70% for Technical Criteria

Failure to achieve the 70% threshold will lead to disqualification. The test for the Technical and Functional threshold will include the following:

Technical Evaluation Criteria (70% Threshold)	100%		
1. Technical Capability: Experience	30%		Proof
3 Reference letters/Purchase Orders	3	30%	Signed reference letters OR Purchase Orders from previous or existing Clients detailing the work performed relating to the management of combined contracts worth of R2million or more and the duration of the engagement. (When was it done, with whom, what was the outcome) (References must be contactable) (Reference letters must be from the Client on a Client letterhead with a signature)
2 Reference letters/Purchase Orders	2	20%	
1 Reference Letter/Purchase Order	1	10%	
No Reference letter submitted /Irrelevant reference letter	0	0%	
2. Memorandum of Understanding (MOU), Contingency Plan and Capability Report:	25%		Proof
The bidder submitted a MOU/confirmation letter that includes the Contingency Plan and a Valid Capability Report that is issued by a SANS accredited Agency. The MOU contains all 4 requirements listed.	3	25%	Submit a signed MOU between the bidder and the manufacturer if you are not the manufacturer. The MOU should include a suitable Contingency Plan in the event of non-availability of the contracted PPE and a Valid Capability Report issued by a SANAS accredited Agency. The MOU should contain the following four (04) requirements: 1. Be on Manufacturer's letterhead.
The bidder submitted a MOU/confirmation letter that includes ONLY a Contingency Plan or a Valid Capability Report that is issued by a SANS accredited Agency. The MOU contains all 4 requirements listed.	2	17%	

The bidder submitted a MOU/confirmation letter without a Contingency Plan or a Valid Capability Report that is issued by a SANAS accredited Agency. The MOU contains all 4 requirements listed.	1	8%	2. State the bidders company name. 3. Be signed by the Manufacturer and Bidder. 4. Be dated If the bidder is the Manufacturer, a confirmation letter on the Bidder's letterhead as well as the Contingency Plan and a Valid Capability Report issued by a SANS Accredited Agency, should be submitted with the bid document.
No proof submitted by bidder	0	0%	
3.Local Footprint (Geographical)	30%		Proof
Bidder is located within the Ba-Phalaborwa District Municipality	3	30%	Proof / documents to be submitted: Proof of residence in a form of water municipal account or letter from municipality (not less than 3 months old) or Lease Agreement must be provided to qualify for scoring points.
Bidder is located within Limpopo Province, but outside the Ba-Phalaborwa District Municipality	2	20%	
Bidder is located outside Limpopo Province	1	10%	
No proof submitted by bidder	0	0%	
4.Reliability/ Delivery lead time	15%		Proof
≤48 Hours	3	15%	Bidders should submit a Gannt Chart/Delivery Schedule indicating lead time in hours from receipt of a Purchase Order. The bidder should be able to deliver the stock on time. Normal: 48-hour turnaround time on delivery and; Emergency: 4 Hours
60 Hours	2	11%	
72 Hours	1	8%	
No proof submitted by bidder	0	0%	
Total Weighting: 100			
Minimum qualifying score required: 70%			

Final technical scores will be rounded off to the nearest 2 (two) decimal places for the purposes of determining whether the technical threshold has been met.

The minimum threshold for technical [Step Three] must be met or exceeded for a Respondent's Proposal to progress to Step Four for further evaluation.

2.4 Step Four: Evaluation and Final Weighted Scoring

- Price Criteria [Weighted score 80 points]:

Evaluation Criteria	RFP Reference
Commercial offer	Section 4

Foskor will utilise the following formula in its evaluation of Price:

$$PS = 80 \left(1 - \frac{P_t - P_{min}}{P_{max}} \right)$$

Where:

P_s = Score for the Bid under consideration

P_t = Price of Bid under consideration

P_{min} = Price of lowest acceptable Bid

Respondents will be required to complete the table below for pricing:

*The pricing proposal is to be provided in compliance with the specifications attached as **Annexures A and B**. The completed pricing proposal must be signed by the Respondent's delegated representative and be dated and stamped. Respondents are to note that FOSKOR will round off final pricing scores to the nearest 2 (two) decimal places.*

- **Broad-Based Black Economic Empowerment criteria** [Weighted score 20 points]
 - B-BBEE - current scorecard / B-BBEE Preference Points Claims Form
 - Preference points will be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table indicated in Section 4.1 of the B-BBEE Preference Points Claim Form of the RFP.

B-BBEE Status Level of Contributor	Number of points (80/20 system)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

2.5 Step Five: Post Tender Negotiations

Respondents are to note that FOSKOR may not award a contract if the price offered is not market related. In this regard, FOSKOR reserves the right to engage in PTN with the view to achieving a market-related price or to cancel the tender. Negotiations will be done in a sequential manner i.e.:

- first negotiate with the highest ranked bidder or cancel the bid, should such negotiations fail, negotiate with the 2nd and 3rd ranked bidders (if required) in a sequential manner.
- In the event of any Respondent being notified of such short-listed/preferred bidder status, his/her bid, as well as any subsequent negotiated best and final offers (BAFO), will automatically be deemed to remain valid during the negotiation period and until the ultimate award of business.

Should FOSKOR conduct post tender negotiations, Respondents will be requested to provide their best and final offers to FOSKOR based on such negotiations. Where a market related price has been achieved through negotiation, the contract will be awarded to the successful Respondent(s).

2.6 Step Six: Objective Criteria (if applicable)

Foskor reserves the right to award the business to the highest scoring bidder/s unless objective criteria justify the award to another bidder. The objective criteria Foskor may apply in this bid process include:

- Technical Site Visit (Due diligence)
- Compliance Due Diligence

2.7 Step Seven: Award of business and conclusion of contract

- Immediately after approval to award the contract has been received, the successful or preferred bidder(s) will be informed of the acceptance of his/their Bid by way of a Letter of Award. Thereafter the final contract will be concluded with the successful Respondent(s).
- A final contract will be concluded and entered into with the successful Bidder at the acceptance of a letter of award by the Respondent.

<ul style="list-style-type: none"> • Proven experience on Supply and Delivery PPE projects of combined contracts worth of R2million or more and the duration of the engagement • Supplier to provide proof of distributor /relationship with manufactures/ suppliers. • As per the SANS 1451-2 2008 - Hearing protection, Fall protection Equipment, Respiratory equipment, and Overalls. 	<p>Attach Appointment Letters or Purchase orders from contactable references.</p> <p>Provide letters demonstrating similarities to previous contracts.</p> <p>Provide proof of certification or any quality assurance certificate</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

3. TENDER CONDITIONS AND INFORMATION

3.1 General and Special Conditions of Contract

The Foskor Mine Procurement general conditions of contract as well as any other special conditions of contract forming part of this set of tender documents will be applicable to this tender in addition to the specific conditions of tender.

3.3 Validity Period

The tender Validity Period will be indicated in the official tender document that will be issued to the market.

3.4 Completion of Tender Documents

- a) The tender document must be completed fully in black ink and signed by the authorised signatory to validate the tender. All sections requiring Declarations must be completed and signed by the authorised signatory and returned.
- b) The complete original tender document must be returned.

3.5 Samples

Samples, if requested, are to be provided to the Mine with the tender document or as stipulated.

3.6 Quantities of Specific Items

The quantities indicated in the BOQ/Pricing Schedule are estimated and may vary from time to time.

3.7 Submission of Tender

The tender submission details will be included in the RFP document to be issued to the market.

3.8 Contact with Mine after Tender Closure Date

The tender document will detail the process for contacting Foskor after closing date of the tender.

4. GENERAL CONDITIONS OF CONTRACT

Definitions

The following terms shall be interpreted as indicated:

- 4.1 "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
- 4.2 "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- 4.3 "Contract price" means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
- 4.4 "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
- 4.5 "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
- 4.6 "Country of origin" means the place where the goods were mined, grown, or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 4.7 "Day" means calendar day.
- 4.8 "Delivery" means delivery in compliance of the conditions of the contract or order.
- 4.9 "Delivery ex stock" means immediate delivery directly from stock actually on hand.
- 4.10 "Delivery into consignees store or to his site" means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the goods are so delivered and a valid receipt is obtained.
- 4.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
- 4.12 " Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 4.13 "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 4.14 "GCC" means the General Conditions of Contract.
- 4.15 "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 4.16 "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the goods covered by the bid will be

manufactured.

- 4.17 "Local content" means that portion of the bidding price, which is not included in the imported content provided that local manufacture does take place.
- 4.18 "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 4.19 "Order" means an official written order issued for the supply of goods or works or the rendering of a service.
- 4.20 "Project site," where applicable, means the place indicated in bidding documents.
- 4.21 "Purchaser" means the organization purchasing the goods.
- 4.22 "Republic" means the Republic of South Africa.
- 4.23 "Services" means that functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance, and other such obligations of the supplier covered under the contract.
- 4.24 "Supplier" means the successful bidder who is awarded the contract to maintain and administer the required and specified service(s) to the State.
- 4.25 "Tort" means in breach of contract.
- 4.26 "Turnkey" means a procurement process where one service provider assumes total responsibility for all aspects of the project and delivers the full end product / service required by the contract.
- 4.27 "Written" or "in writing" means hand-written in ink or any form of electronic or mechanical writing.

5. Application

- 5.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and Professional services (excluding professional services related to the building and construction industry), sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
- 5.2 Where applicable, special conditions of contract are also laid down to cover specific goods, services or works.
- 5.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

6. Standards

- 6.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

7. Quality

- 7.1 Should the Tender Specifications and or descriptions not address any aspects of quality as specified, this should be clarified with the Mine as soon as possible.

8. Inspections, tests and analyses

- 8.1 All pre-bidding testing will be for the account of the bidder.
- 8.2 If it is a bid condition that goods to be produced or services to be rendered should at any stage be subject to inspections, tests and analyses, the bidder or contractor's premises shall be open, at all reasonable hours, for inspection by a representative of the purchaser or organization acting on behalf of the purchaser.
- 8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the goods to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5 Where the goods or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such goods or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Goods and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7 Any contract goods may on or after delivery be inspected, tested or analysed and may be rejected if found not to

comply with the requirements of the contract. Such rejected goods shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with goods, which do comply with the requirements of the contract. Failing such removal, the rejected goods shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute goods forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected goods, purchase such goods as may be necessary at the expense of the supplier.

9. Packaging

- 9.1 The supplier shall provide such packaging of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging, case size weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

- 10.1 Delivery of the goods and arrangements for shipping and clearance obligations, shall be made by the supplier in accordance with the terms specified in the contract.

11. Insurance

- 11.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified.

12. Transportation

- 12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified.

13. Incidental Services

- 13.1 The supplier may be required to provide any or all of the following services, including additional services, if any:
 - a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
 - b) furnishing of tools required for assembly and/or maintenance of the supplied goods;
 - c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
 - d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and
 - e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.
- 13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

14. Spare Equipment / PPE

As specified, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare equipment manufactured or distributed by the supplier:

- a) such spare equipment as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and
- b) in the event of termination of production of the spare equipment:
 - (i) advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
 - (ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the

spare equipment, if requested.

15. Warranty

- 15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
- 15.2 This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise.
- 15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the supplier shall, within the period specified and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.
- 15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

16. Delays in the supplier's performance

- 16.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
- 16.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
- 16.3 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the goods are required, or the supplier's services are not readily available.
- 16.4 Except as provided under general contract conditions, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to general contract conditions, unless an extension of time is agreed upon pursuant to general contract conditions without the application of penalties.
- 16.5 Upon any delay beyond the delivery period in the case of a goods contract, the purchaser shall, without cancelling the contract, be entitled to purchase goods of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

17. Penalties

- 17.1 Subject to general contract conditions, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract may result to consideration of the termination of the contract as per the agreement.

18. SPECIAL CONDITIONS OF CONTRACT

- 18.1 The period of the tender is up to a maximum of three (3) years.
- 18.2 The bidders must be an official distributor or manufacturer of personal protective clothing and proof must be provided in this regard.
- 18.3 Proof that the manufacturer and the fabricator is SABS/SANS accredited and both the certificates must be submitted with the tender documents.
- 18.4 Prices should include VAT and delivery cost.

- 18.5 Prices must remain fixed for a period of one (1) year.
- 18.6 Delivery must be within 48 hours or as agreed with the client after placement of an order, at the Mine Stores in Foskor Mine.
- 18.7 All items must be SABS/SANS approved.
- 18.8 The Mine may, from time to time, test the quality of the overalls and non-compliance may result in the termination of the contract (refer to the General Conditions of Contract).
- 18.9 If the successful (preferred) bidder does not deliver the goods within the delivery period as indicated, the bidder must inform the Mine in writing of delays in delivery.
- 18.10 Should the bidder fail to inform the Mine and the goods are not delivered within the delivery period, the order will be cancelled, and the Mine will automatically source the goods from the alternative bidder.

18.11 Samples:

- (a) Samples must be delivered not later than 10 days at the Mine Procurement Offices, Foskor Mine. (Samples that are placed in the tender box will not be considered). Samples can be requested after closure of tender. If not received by the requested time, the bid will be non-compliance.
- (b) Each sample must be clearly marked with the name and details of the bidder. Bids not accompanied by properly marked samples will not be considered.
- (c) On completion of the evaluation process samples will be returned. It is however the bids responsibility to arrange for the collection of the samples.
- (d) Surcharges, if any, should be reflected per item on out sizes.
- (e) Each sample should be cross referenced with the specifications as listed in Section 2.1
- (f) The printing of the comfort wear to be done after awarding of the tender.

SECTION 2: SPECIFICATIONS

SECTION 2.1: GENERAL WORK WEAR

2.1.1 SAFETY HARD HAT	
Specification	Comply (Yes/No)
a) Jockey style, High density polyethylene Fitted with a 6-point energy absorbing cradle system reducing the force of impact	
b) Available without cap lamp brackets	
c) Durable quality PP material to withstand sun, rain, cold, heat, dust, vibration, contact with the skin and sweat	
d) Adjustable 6-point ratchet liner for 806 range with tricot sweatband	
e) SANS 1397 2003 & GME HH 2006-06-27	
f) Anchor points for chin strap, visor and earmuffs	
g) SABS approved	
h) Foskor Logo on Front and Side (with Foskor written on the side)	
Hard hat Liner - 6-POINT LINER	
Replacement LDPE 6-point pin lock liner with tricot for the 806 range of safety caps & hats.	
Elastic Chain Strips – Black - 2-POINT	
Replacement LDPE 6-point pin lock liner with tricot for the 806 range of safety caps & hats.	
Hard Head – Chin Strap	
2 point 20mm webbing chin strap with dual anchors for all safety caps & hats.	

2.1.2 SAFETY BOOTS - LADIES	
Specification	Comply (Yes/No)
a) Bova Sisi Reese Black with pink Trim	
b) Eva Cushioned Top Sock for Additional comfort	
c) Dual Density Polyurethane sole acid and oil resistant	
d) Anti-Penetrate steel midsole seven eyelet lace up – No substitute	
e) Full Grain Leather Upper Steel Toe Cap	
f) Anti-Penetration Steel Midsole Dual Density	
g) SANS/ISO 20345 approved	
h) Removable comfort Inner sole	
i) Heat Resistant to 90 Celsius	
SHOELACES – Black / Brown	
a) Normal Safety Shoe sizes laces	

2.1.3 SAFETY BOOTS – MEN – CHUKKA	
Specification	Comply (Yes/No)
a) Half Chukka Brown Steel Toe Cap	
b) Full Grain Leather Upper Steel Toe Cap	
c) Anti-Penetration Steel Midsole Dual Density	
d) SANS 20345 approved	
e) Slip Resistant, Oil resistant, Acid resistant and Shock Absorption	
f) Genuine Split Buffalo Leather Upper	
g) Removable comfort Inner sole	
h) Heat Resistant to 90 Celsius	
i) Available sizes 3-12	

2.1.4 GUMBOOT – Unisex	
Specification	Comply (Yes/No)
a) Heavy Duty	
b) Moulded Steel Toe Upper	
c) Black PVC Sole / Nitrile to SANS 20345 (Waterproof)	
d) Slip Resistant, Oil resistant, Acid resistant and Shock Absorption	

2.1.5 SAFETY BOOTS – MEN - HIKER

Specification	Comply (Yes/No)
a) An ultra-comfortable safety boot in supple leather.	
b) Perfect for work and recreation.	
c) Double density PU sole.	
d) Heat resistant up to 95 degrees celcius and Antistatic.	
e) Extra wide fitting steel toe cap for comfort.	
f) Slip Resistant, Oil resistant, Acid resistant and Shock Absorption	

2.1.6 SAFETY BOOTS – MEN & WOMEN – CHELSEA

Specification	Comply (Yes/No)
a) Wide fitting steel toe cap	
b) SANS 20345 approved	
c) Oil and acid resistant.	
d) Double density PU sole	
e) Heat resistant to 90 degrees C	
f) Antistatic	

2.1.7 SOCKS – MEN

Specification	Comply (Yes/No)
a) Antibacterial and Anti-Static ankle height Sock	
b) Reinforced heel and toe	
c) Double terry reinforced at heel and toe anti-static fibre woven into stripes	
d) 75% Wool and 25% Nylon	
e) SANS 11382 approved	
f) Category 1 – Flammability Requirements	

2.1.8 HEAD LAMPS – HD

Specification	Comply (Yes/No)
a) Mobility and vision 3 white LEDs provide 200 lumens of bright light.	
b) Five modes including high and low spot, flood and combined modes.	
c) Dimmable on combined mode - control intensity from 10% to 100%	
d) Next push off - turn light off without cycling through modes	
e) 50m beam distance and survives a 1m drop	
f) Runtime: from 8.5 hours to 50 hours depending on mode	
g) Vision HD Headlight uses 3x AAA batteries (included in pack) Sold per headlight. 6 Headlights in a box (with a display tray)	
h) Weatherproof to IPX4, Shatter proof lens, Pivoting head	

2.1.9 DENIM TROUSERS – MEN

Specification	Comply (Yes/No)
a) 100% Cotton Denim	
b) Two-Tone UV Shirt Poly Viscose Acid Resistant	
c) Denim Fabric density of 230 grams/m ²	
d) Reflective band at knee height.	
e) Johnson/North/Tritec Styles	
f) 5 pocket jeans	
g) Triple needle stitching for extra strength	
h) Contrast thread	
i) Brass zip	
j) Navy Blue / Indigo	

2.1.10 DENIM TROUSERS – WOMEN

Specification	Comply (Yes/No)
a) 100% Cotton Denim	
b) Denim Fabric density of 230 grams/m ²	
c) Reflective band at knee height.	
d) Johnson/North/Barone Styles	
e) 5 pocket jeans	
f) Triple needle stitching for extra strength	
g) Contrast thread and Brass Zip	

h) Navy Blue / Indigo	
-----------------------	--

2.1.11 HI-VIZ SHIRT 100% COTTON – Men (Long Sleeves)	
Specification	Comply (Yes/No)
a) Two-Tone UV Shirt Poly Viscose Acid Resistant Orange/Navy	
b) 50mm silver reflective tape across the arms and two rows of tape across the body of the shirt	
c) Two mitred top pockets with mitred flaps and button fastening and large back vent	
d) Sleeve includes gauntlet and button-down cuff	
e) All facial needlework is double stitched	
f) Armholes and shoulders triple-stitched	
g) Acid resistant workwear and DIN 32763	
h) 100% cotton shirt with a fabric density of 135 grams/m ² .	
i) Johnson/North/Tritec Styles	

2.1.12 HI-VIZ SHIRT 100% COTTON – Men (Short Sleeves)	
Specification	Comply (Yes/No)
a) Two-Tone UV Shirt Poly Viscose Acid Resistant Orange/Navy	
b) 50mm silver reflective tape across the arms and two rows of tape across the body of the shirt	
c) Two mitred top pockets with mitred flaps and button fastening	
d) Large back vent, Sleeve includes gauntlet and all facial needlework is double stitched	
e) Armholes and shoulders triple-stitched, Acid resistant workwear and DIN 32763	
f) 100% cotton shirt with a fabric density of 135 grams/m ² .	
g) Johnson/North/Tritec Styles	

2.1.13 HI-VIZ SHIRT 100% COTTON Women (Long Sleeves)	
Specification	Comply (Yes/No)
a) 100% Cotton Twill, High Visibility and UV Protection Fabric 135g	
b) Two-Tone UV Shirt Orange/Navy	
c) 50mm silver reflective tape across the arms and two rows of tape across the body of the shirt	
d) Two mitred top pockets with mitred flaps and button fastening Large back vent	
e) Sleeve includes gauntlet and button-down cuff; all facial needlework is double stitched	
f) Acid resistant workwear	
g) Johnson/North/Tritec Styles	
h) AS/NZS 4399-1996 AMD 1998 Appendix A; AS/NZS 46002; AS/NZS 4399	

2.1.14 HI-VIZ SHIRT 100% COTTON Women (Short Sleeves)	
Specification	Comply (Yes/No)
a) Work shirt - High-visibility	
b) 100% Cotton Twill, High Visibility and UV Protection Fabric 135g	
c) Two-Tone UV Shirt Orange/Navy	
d) 50mm silver reflective tape across the arms and two rows of tape across the body of the shirt	
e) Two mitred top pockets with mitred flaps and button fastening	
f) Large back vent	
g) Sleeve includes gauntlet	
h) All facial needlework is double stitched	
i) Armholes and shoulders triple-stitched	
j) Acid resistant workwear	
k) Johnson/North/Tritec Styles	
l) AS/NZS 4399-1996 AMD 1998 Appendix A; AS/NZS 46002; AS/NZS 4399	

2.1.15 SAFETY SPECTACLES – GENERAL PROTECTION (Both Male and Females)	
Specification	Comply (Yes/No)
a) Polycarbonate Grey (23%) or Clear lens	
b) Clear Supravision HC-AF / Grey Sunlare Filter Supravision HC-AF	
c) UV 5-2.5 sun glare filter to EN 166	
d) Scratch Resistant Coating	
e) Anti-Fog Coating	
f) SANS 1404	

2.1.16 LABORATORY COAT	
Specification	Comply (Yes/No)
a) Acid Resistant treated polycotton (65% / 35% blend)	
b) 210 g/m ² to DIN 32763	
c) Lightweight, comfortable, and durable	
d) One breast pocket, Button down and Two waist pockets	
e) Comfort slits on the back	
f) Long Sleeve and Reach the knee length	
g) White in colour	

2.1.17 REFLECTIVE VESTS	
Specification	Comply (Yes/No)
a) High-Visibility Fishnet Vest made from polyester fabric	
b) The vest has air holes to allow breathability.	
c) A silver reflective cross on the back and front.	
d) The colour be Day Glow Red and Yellow.	

2.1.18 HI-VIZ TWO-TONE WORK JACKET	
Specification	Comply (Yes/No)
a) Fluorescent fabric for increased day time visibility and Chest pocket with press stud closure	
b) Large front bottom pockets.	
c) Concealed YKK zip Bar tacks on stress points	
d) 50mm VizLite 201 silver reflective tape.	
e) Colours: Fluorescent Orange/Navy	

2.1.19 MINE KNEE GUARDS	
Specification	Comply (Yes/No)
a) Our dual density knee guard is manufactured in South Africa and one size fits	
b) Stitch Wise knee guards	
c) SABS Tested	
d) Great abrasion resistant outer	
e) Comfortable and soft inner	

2.1.20 MINE ELBOW GUARDS	
Specification	Comply (Yes/No)
a) Ultra - Lightweight arm guards	
b) SABS Tested	
c) Great abrasion resistant outer	
d) Comfortable and soft inner	
e) Available in many colours	

2.1.21 COMPLETE BUGGY WHIP – WITH ROD 4M	
Specification	Comply (Yes/No)
a) Barricade Tape/Caution Tape	
b) Complete buggy whip c/w sleeve and flag	
c) CAUTION HIGH VOLTAGE	
d) Polyethylene	

2.1.22 HI-VIZ 750MM REFELCTIVE CONE	
Specification	Comply (Yes/No)
a) Yellow PVC Black Base 750mm Red Road Cone with 21cm reflective strip	
b) Durable material for high heat areas	
c) Weighted base for stability. Sizes: 500mm, 750mm	

2.1.23 HI-VIZ 750MM REFLECTIVE CONE STRIP – 21CM	
Specification	Comply (Yes/No)
a) PVC Black Base 750mm Red Road Cone - 21cm reflective strip	
b) Durable material for high heat areas	

2.1.24 HI-VIZ RED FLAG	
Specification	Comply (Yes/No)
a) Mine used red Flag without the rod	
b) Be Highly visible or have reflective tape on it	
c) Have well knitted hooking area for the rod	

2.1.25 HI-VIZ BARRICADE TAPE	
Specification	Comply (Yes/No)
a) White/Red barrier tape.	
b) Size of 72mm x 500mm	

SECTION 2.2: GENERAL PPE

2.2.1 FULL BODY SAFETY HARNESS	
Specification	Comply (Yes/No)
a) Double leg webbing lanyard with carabine hook & waist belt	
b) 45MM webbing	
c) 25kn D-rings for attachment of lanyards	
d) Complete with comfort pad and trapeze strap.	
e) SANS 50361	

2.2.2 LANYARDS – FALL ARREST	
Specification	Comply (Yes/No)
a) Double Shock Absorbing Lanyard 1.8m with a standard carabiner and 2 snap hooks	
b) 45MM webbing	
c) 25kn D-rings for attachment of lanyards	
d) Complete with comfort pad and trapeze strap.	
e) SANS 50361	
f) 45mm webbing or polyamide rope	
g) 25kN breaking force	
h) 2kN shock absorber	
i) Fitted with karabiner and scaffold hook	
j) SANS 50354 2003/EN 354 2003 Lanyards SANS 50355 2003/EN 355 2003 Energy Absorbers	

2.2.3 LANYARDS – FALL RESTRAINT	
Specification	Comply (Yes/No)
a) 1-meter-long 45mm webbing or polyamide rope	
b) 25kN breaking force	
c) No shock absorber	
d) Fitted with karabiner and scaffold hook	
e) Lanyard to SANS 50354:2003.	

2.2.4 FULL FACE VISOR	
Specification	Comply (Yes/No)
a) Head mounted Brow Guard Face Shield with adjustable headband.	
b) Clear 1mm acetate lens 350mm X 200mm.	
c) Offering impact and liquid splash resistance.	

2.2.5 GAS FILTERING MASKS – HALF FACE MASKS	
Specification	Comply (Yes/No)
a) Silicone half mask with dual cartridges	

b)	Check valve and adjustable headband yoke to EN 140:2001	
c)	Replaceable cartridge shall be: Class1, direct thread type A1B1E1K1P3	
d)	Nominal protection factor of 50 x OEL	

2.2.6 GAS FILTERING MASKS – FULL FACE MASKS

Specification	Comply (Yes/No)
e) EPDM full face mask with direct thread single cartridge	
f) Check valve and adjustable headband yoke to EN 136.	
g) Replaceable cartridge shall be Class 2, direct thread type A2B2E2K2P3	
h) Nominal protection factor of 2000 x OEL	

2.2.7 DUST MASK – AIRBORNE DUSTS AND MISTS

2.2.1: DUST MASK – AIRBORNE DUSTS AND MISTS		Comply (Yes/No)
Specification		
a) FFP2 NR Dust/Mist Respirator		
b) FFP2 NR EN 149 2001 A1 2009 SABS Homologation Approval No. AZ2003/47		
c) A low-profile mask offers a better fit with glasses and goggle		
d) Smooth, pre-stretched head straps offer a good fit and comfort over the head and neck		
e) Latex free		
f) Contoured adjustable nosepiece offers maximum performance.		
g) For use up to 12 X OEL or 10 X APF.		
h) Textile disposable mask with adjustable textile head band to EN 149:2001		

2.2.8 DUST MASK – WELDING AND METALLIC FUMES

2.2.2.2 DUST MASK - WELDING AND METALLURGY FORMS	
Specification	Comply (Yes/No)
a) FFP2 DUST MASK -Airborne dust	
b) Textile disposable mask with carbon layer and check valve to EN 149:2001 class FFP2.	
c) Textile adjustable head band for securing	

2.2.9 HEARING PROTECTION - EAR PLUGS – REUSABLE

2.12 HEARING PROTECTION - EARPLUGS - REUSABLE	
Specification	Comply (Yes/No)
a) Re-usable corded woven nylon with carrying case	
b) Chain contoured 4 flange ultra-soft polymer design	
c) Universal size self-contour to fit any ear canal;	
d) Non-allergenic polymer material	
e) Protection level 92-102 DB	
f) EN352-2 Earplugs	

2.2.10 HEARING PROTECTION - EAR PLUGS – DISPOSABLE

2.2.15 HEARING PROTECTION - EARPLUGS - DISPOSABLE	
Specification	Comply (Yes/No)
a) Disposable earplugs shall have a minimum Noise Reduction Ratio (NRR) of 33dBa	
b) Comply with the requirements of SANS 1451-2 2008 Part II - Hearing Protectors - Earplugs	

2.2.11 HEARING PROTECTION - EAR MUFFS

Specification	Comply (Yes/No)
a) Compatible with wear of a hard hat	
b) Minimum Noise reduction ratio (NRR) of 30dBa	
c) Comply with SANS1451-1 2008 Part I – Hearing Protectors - Earmuffs	

2.2.12 PVC GLOVE - (Wrist, Elbow and Full Length)

Specification	Comply (Yes/No)
(a) PVC	
(b) Hard cuff	
(c) Elastic Wrist Band	
(d) Non-Slip	

2.2.13 ROUGH PALM PVC GLOVE - (Wrist, Elbow and Full Length)

2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

c)	Elastic Wrist Band	
d)	Non-Slip, Rough Palm	

2.2.14 RAIN SUITS – Unlined	
Specification	Comply (Yes/No)
a) Lightweight and durable, Waterproof two piece and in a carry bag	
b) Taped or stitched seams (glued and double stitched seams)	
c) Fold away hood and Vented back flap	
d) Storm cuffs	
e) Concealed pockets	
f) Ankle poppers	
g) Yellow/Lime Green	

2.2.15 WORKING GLOVES (ALL)	
Specification	Comply (Yes/No)
Domestic cleaning suitable for general cleaning applications with exposure to household detergents.	
a) Glove: Arc flash 50Cal/cm ² tested to ASTM F1506	
Oxygen lancing, Gouging, vertical and upside-down welding applications.	
a) Glove: chrome leather reinforced, 60cm cuff, double leather palm and thumb	
b) Glove mechanical properties in accordance with EN 388 to meet: Abrasion- level 4, Cut - level 2, Tear - level 3	
General boiler making tasks and furnace attendants	
a) Glove: Welders, green cow leather, 20cm cuff, lined heat resistant 140-175°C	
b) Manufactured and tested to EN 12477	
c) Glove mechanical properties in accordance with EN 388 to meet: Abrasion- level 4, Cut - level 2, Tear - level 3	
High heat welding, gouging, gas cutting and metal forging tasks	
a) Glove: Welders, double apron, red cow leather, 30cm cuff, lined heat resistant 500°C	
b) Manufactured and tested to EN 12477	
c) Glove mechanical properties in accordance with EN 388 to meet: Abrasion- level 4, Cut - level 2, Tear - level 3	
General handling for high abrasion conditions, plate handling, rigging work, ore handling, plant spillage	
a) Glove: chrome leather reinforced, 20cm cuff, double leather palm and thumb	
b) Glove mechanical properties in accordance with EN 388 to meet: Abrasion- level 4, Cut - level 2, Tear - level 3	
General handling for high abrasion conditions, plate handling, rigging work, ore handling, plant spillage cleaning	
a) Glove: cow leather, double leather palm, stripped canvas backing, elasticated wrist.	
b) Glove mechanical properties in accordance with EN 388 to meet: Abrasion- level 4, Cut - level 2, Tear - level 3	
Mechanical abrasion pinching and cut risk environments, electrical component assembly, cable termination & jointing, mechanical assembly and rigging applications.	
a) Glove: knitted, 13-gauge synthetic yarn, polyurethane or bi-polymer coated palm & fingers.	
b) NINJA X4 or equivalent	
c) Glove mechanical properties in accordance with EN 388 to meet: Abrasion- level 4, Cut - level 4, Tear - level 3	
Chemical handling suitable for acids and bases. Not suitable for solvents and nitric acid	
a) Glove: Standard weight PVC, 60cm cuff, lined.	
b) SANS 416: 2007 – Chemical gloves.	
Chemical handling suitable for acids and bases. Not suitable for solvents and nitric acid	
a) Glove: Standard weight PVC, 40cm cuff, lined.	
b) SANS 416: 2007 – Chemical gloves.	
Chemical handling suitable for acids, bases, solvents and fuel handling applications.	
a) Glove: Knitted, blue Nitrile coated knitted safety cuff.	
b) Glove mechanical properties in accordance with EN 388 to meet: Abrasion- level 4, Cut - level 1, Tear - level 1 Puncture - level 1	
Chemical handling suitable for Acids, bases and solvents, laboratory applications	

a) Glove: 30cm gauntlet, Neoprene over natural Latex, heavy weight 0.70mm, flock lined.	
b) Glove mechanical properties in accordance with EN 388 to meet:	
c) Abrasion- level 2, Cut - level 1, Tear - level 1, Puncture - level 1	
Domestic cleaning suitable for general cleaning applications with exposure to household detergents.	
a) Glove: Household cleaning, 100% Nitrile, flock lined, 0.43mm weight, 33cm cuff.	
b) Golden Fleece or equivalent.	
c) Glove mechanical properties in accordance with EN 388 to meet: Abrasion- level 4, Cut - level 1, Tear - level 1 Puncture - level 1	

SECTION 2.3: HOT WORK PPE

2.3.1 ZERO FLAME WORK TROUSER	
Specification	Comply (Yes/No)
b) Trouser - Half elasticated waist	
c) Acid & Flame-Resistant Workwear with reflective tape	
d) Triple stitched back rise, out leg and in leg	
e) Seven belt loops, Two side swing pockets	
f) Metal button close	
g) One double stitched mitred back pocket. Aluminum zip	
h) Cotton 100 PCT,	
i) Material D59	
j) Acid and Zero Flame Combined.	
k) Specification Din 32763	
l) Color Navy blue	

2.3.2 ZERO FLAME WORK JACKET	
Specification	Comply (Yes/No)
a) Acid & Flame-Resistant Workwear with reflective tape	
b) Jacket - Triple stitched arm hole, shoulder, and side seam	
c) Top stitched front yoke	
d) Side vents/slits	
e) One top double stitched mitred pocket with pen section, V flap and press stud	
f) Two double stitched mitred standalone bottom pockets	
g) Concealed aluminum zip with storm flap and press stud	
h) Cotton 100 PCT,	
i) Material D59	
j) Specification Din 32763	
k) Color Navy blue	

2.3.3 WELDING HELMET	
Specification	Comply (Yes/No)
a) Protective welding helmet for all Arc welding processes and Gouging	
b) 530gram	
c) Heat resistant thermoplastic shell	
d) Material black nylon	
e) Visor holder material AS/NZS 1337:1992 medium rating (1)	
f) Polycarbonate cover lens material AS/NSZ 1338:1992; chipping lens material polycarbonate – medium impact (1)	
g) Filter lens to have been tested/certified to AS/NZS 1338:1992	
h) Impact protection on the complete assembly to AS/NZS 1337.1:2010	
i) TA500 series safety helmet	

2.3.4 PROTECTIVE SAFETY EYE WEAR – WELDING	
Specification	Comply (Yes/No)
a) Polycarbonate clear full vision safety goggles with flip-up lens polycarbonate grey shade 5	
b) Scratch Resistant, Anti-fog with adjustable head band to EN 166	
c) SABS 1404 Eye and facial protection for the general industrial use Section II-Shield glasses (Goggles): UVEX ULTRASONIC FLIP-UP or equivalent	

2.3.5 WELDING HELMET – LENSES REPLACEMENTS

Specification	Comply (Yes/No)
Welding Helmet Filter Arc Welding Shade 8	
a) AS/NZS 1337.1:2010, 50mm x 108mm	
b) High to extra high impact rating	
c) Ball speed 6.00mm – 120-190m/sec	
d) 6.35mm – 110-175m/sec; impact protection situations: high grinding, metal cutting, air-arc gauging, welding	
e) Range of welding current ≤ 400. Lenses	
Welding Helmet Filter Arc Welding Shade 10	
a) AS/NZS 1337.1:2010, 50mm x 108mm; high to extra high impact rating; ball speed 6.00mm – 120-190m/sec	
b) 6.35mm – 110-175m/sec	
c) Impact protection situations: high grinding, metal cutting, air-arc gauging, welding	
d) Range of welding current ≤ 400	
Welding helmet replacement Welding Helmet Filter Arc Welding Shade 12	
a) AS/NZS 1337.1:2010, 50mm x 108mm; 6.35mm – 110-175m/sec	
b) High to extra high impact rating	
c) Ball speed 6.00mm – 120-190m/sec	
d) Impact protection situations: high grinding, metal cutting, air-arc gauging, welding	
e) Range of welding current ≤ 400	

2.3.6 WELDING HELMET – AUTO DARKENING	
Specification	Comply (Yes/No)
a) 530gram high temperature nylon mask	
b) Ratchet head harness	
c) Polycarbonate clear splatter lens	
d) LCD auto-darkening lens to infra-red shade 10 to CE EN 175S, EN 329, ANSI.	
e) Delay and sensitivity manual adjustments;	
f) Solar cells with rechargeable batteries CR2032	
g) Lens warranty 24 months: THERMAMAX, JAVAWELD or equivalent.	

2.3.7 FACE PROTECTION FOR ALKALI/ACIDS SPLASHES	
Specification	Comply (Yes/No)
a) Clear Polycarbonate face shield, 302mm wide x 202mm high, 1.10mm thick Aluminum frame	
b) Brow guard and ratchet head harness to SABS 1404 - 1987 Eye and facial protection for the general industrial use. Section I - Face Shield.	

2.3.8 WELDING SAFETY BOOTS	
Specification	Comply (Yes/No)
a) Full grain leather upper	
b) 4 pair eyelet lace up with hooks	
c) Spat covering to protect from hot burns / exposure to sparks	
d) Padded collar and ½ padded tongue for additional comfort and support	
e) Needle-fibre vamp lining to provide excellent perspiration absorbency	
f) Non-woven material in-sock laminated to Kevlar to protect the foot from heat transference through the sole of the boot	
g) Anti-bacterial Energizer EVA top sock for hygiene and comfort	
h) Midsole - Shank reinforcement for additional arch support toe cap steel	
i) Sole - Dual Density PU/Rubber Sole - outer sole 8mm thick (Heat-resistant up to 300°C)	

2.3.9 WELDING SPATS	
Specification	Comply (Yes/No)
a) Ally Protect Flame Retardant Leather Welding Spats	
b) Flame resistant leather protects against spark and offers extended shoes wear	
c) 3 ply KEVLAR thread stitched for added durability and flame retardant	
d) Metal insert on top of foot can be shaped to fit over shoe	
e) legging height 9 inch	

2.3.10 WORK WEAR SOCKS – HOT WORK	
Specification	Comply (Yes/No)

a) Flame retardant High density knit	
b) 70% Modacrylic	
c) 22% fire resistant Rayon	
d) SABS 1423-1 Flammability requirements category 1 compliance	

2.3.11 APRON (WELDING AND GRINDING)

Specification	Comply (Yes/No)
a) Chrome Leather	
b) Spark resistant	
c) Acid & Oil resistant	

2.3.12 GLADIATOR GLOVE

Specification	Comply (Yes/No)
a) Rough finish latex	
b) High quality liner	
c) Knit wrist	

2.3.13 GRINDING (WELDING) GLOVE

Specification	Comply (Yes/No)
a) Chrome leather resistant	
b) Fully lined	
c) Seam – protecting borders	
d) Reinforced	
e) 20cm elbow length	
f) Chrome leather resistant	
g) Fully lined	

SECTION 2.4: COMFORT WEAR and FIRE FIGHTING EQUIPMENT
2.4.1 SUN BRIM

Specification	Comply (Yes/No)
a) Sun Brim Visor Extension for safety helmets	
b) To protect face and neck from sunlight	
c) Shape of the brim shall be oval	
d) Neck protector attached to the brim	
e) Reinforced stiffened broad brim of at least 90 mm (Brim malgray chip board material 600 to 800gsm)	
f) Material shall be pre-shrunk 100 % woven cotton fabric in accordance with SANS 1387-4	
g) Material type D59, and flame retardant	
h) Inside diameter 740mm (front to back 240mm and side to side 200mm).	
i) Outside front to back 430mm and from side to side 380mm	
j) Insert for hard hat front peak flap centre 130mm and side fitted to other brim	

2.4.2 HAIR NETS

Specification	Comply (Yes/No)
a) Hair Nets shall be made of pre-shrunk 100% soft woven cotton	
b) Fabric in accordance with SANS 1387-4	
c) Material Type D59	
d) Flame retardant SANS 1423-1	

2.4.3 FIRE FIGHTING – SAFETY BOOT

Specification	Comply (Yes/No)
a) Leg lining with Felt and interlining material for heat resistant	
b) Steel toe cap and Shin Guard	
c) Oil Resistant, flame-resistant sole and electric shock resistant bottom	
d) Steel Mid-sole	
e) Conforms to NFPA	

2.4.4 FIRE FIGHTING - BALACLAVA

Specification	Comply (Yes/No)
---------------	-----------------

40% P-84 / 55% and Rayon FR / 5%	
Kevlar Material	
Double Layered	
Meets and exceeds NFPA 1971-2007 Edition and is UL Certified.	

2.4.5 FIRE FIGHTING – GLOVES	
Specification	Comply (Yes/No)
a) Structural Fire Fighting Gloves Advanced multi-layer design Provides thermal protection and cut/puncture resistance	
b) Flexible 6-layer knuckle guard system	
c) Ring and middle finger's suede are cut and sewn independently for enhanced dexterity	
d) Long cuff model uses Kevlar wrapped debris blocker	
e) Double layer breathable polymer for blood borne pathogen/liquid desistance	
f) Conforms to NFPA	

2.4.6 FIRE FIGHTING – FIRE FIGHTER HELMET	
Specification	Comply (Yes/No)
Traditional Ben Franklin Helmet with 4" Visor	
Full inner liner system	
Replacement brass eagle	
Chinstrap & Ratchet Headband	
3M scotchlite reflective markings	
Conforms to NFPA	

2.4.7 STRUCTURAL FIRE SUIT – TRADITIONAL BUNKER STYLE (TWO PIECE)	
Specification	Comply (Yes/No)
4 Material Layer System – Combination	
Pre-Formed sleeves, Contoured arm cut for ease of movement and comfort	
Articulated Elbows & Preformed Legs	
Articulated knees improve flexibility	
Available in Traditional and Bunny Cut Style	

2.4.8 FLAME PROOF – FIREMAN JUMP SUIT	
Specification	Comply (Yes/No)
The Imperial Fire Overall / Flight Suit comprises of a one piece overall with an elasticated waist.	
Fire Inherent fabric, Flame retardant fabric, Polycotton blend fabric	
Two-way front opening zip	
Chest pocket with zip or Velcro closures	
Leg pockets with Velcro closure	
Deep side pockets	
Sleeves are attached by zip and can be removed when a short sleeve is required.	
Trouser bottoms have zip opening for easy donning over heavy duty footwear, and Velcro closure for close fit adjustment.	
Hi Visibility, reflective tape at elbow area and knee length for the trouser	
Tough and durable and Easy to put on and take off	
NFPA approved	

2.4.9 FIRE FIGHTING – GEAR BAG	
Specification	Comply (Yes/No)
Provides sufficient room Ideal for fire gear in one easy convenience	
Ensure more breathability	
Also stores various equipment for additional purposes	

SECTION 2.5: PRICING SCHEDULE

The quantities reflected below are indicative and not definite.

2.5.1 GENERAL WORK WEAR

No.	ITEM	FOSKOR COMMODITY NUMBER	FOSKOR ITEM USAGE	SIZES	COLOUR	UNIT PRICE	TOTAL PRICE
1	Safety Hard Hat (As per specification 2.1.1) ▪ With FOSKOR Badge on the side and front	0200125	1250	One size fits all	White		
	Safety Hard Hat (as per specification 2.1.1) ▪ With FOSKOR Badge on the side and front ▪ Written SHE Representative	Ne w item	120	One size fits all	Green (For SHE Reps)		
2	Safety Boots Ladies (As per specification 2.1.2)	0200473	2	3	Black with Pink Trim		
		0200474	56	4	Black with Pink Trim		
		0200475	95	5	Black with Pink Trim		
		0200476	135	6	Black with Pink Trim		
		0200477	79	7	Black with Pink Trim		
		0200478	36	8	Black with Pink Trim		
		0180211	1	9	Black with Pink Trim		
		0180210	1	10	Black with Pink Trim		
3	Safety Boots Men (As per specification 2.1.3) (Chukka)	0200113	1	4	Tan / Black		
		0200114	6	5	Tan / Black		
		0180316	6	6	Tan / Black		
		0180317	92	7	Tan / Black		
		0180318	174	8	Tan / Black		
		0180319	142	9	Tan / Black		
		0180320	10	10	Tan / Black		
		0180321	30	11	Tan / Black		
		0180322	9	12	Tan / Black		
		New Item		13	Tan / Black		
4	Safety Boots Men and Women (As per specification 2.1.7) (Chelsea)	0200891	3		Brown		
		0200892	4		Brown		
		0200893	5		Brown		
		0200894	6		Brown		
		0200895	7		Brown		

[illegible]

		0200553	51	One Size	Any colour	
8	Work Wear – Denim Trousers - men (As per specification 2.1.8)	0200704	112	30	Blue /Navy	
		0200705	211	32	Blue /Navy	
		0200706	290	34	Blue /Navy	
		0200707	203	36	Blue /Navy	
		0200708	129	38	Blue /Navy	
		0200709	89	40	Blue /Navy	
		0200710	46	42	Blue /Navy	
		0200711	36	44	Blue /Navy	
		0200712	25	46	Blue /Navy	
		0200713	6	48	Blue /Navy	
		0200714	0	50	Blue /Navy	
		0200715	0	52	Blue /Navy	
		0200716	0	54	Blue /Navy	
9	Work Wear – Denim Trousers - women (As per specification 2.1.9) (Johnson)	0200487	6	28	Blue /Navy	
		0200380	12	30	Blue /Navy	
		0200381	4	32	Blue /Navy	
		0200382	6	34	Blue /Navy	
		0200383	8	36	Blue /Navy	
		0200384	32	38	Blue /Navy	
		0200385	24	40	Blue /Navy	
		0200386	24	42	Blue /Navy	
		0200387	36	44	Blue /Navy	
		0200388	42	46	Blue /Navy	
		0200389	34	48	Blue /Navy	
		0200390	2	50	Blue /Navy	
		0200391	1	52	Blue /Navy	
9	Work Wear – Denim Trousers - women (As per specification 2.1.9) (Barron)	0200500	6	28	Blue /Navy	
		0200501	4	30	Blue /Navy	
		0200502	4	32	Blue /Navy	
		0200503	6	34	Blue /Navy	
		0200504	8	36	Blue /Navy	

		0200505	12	38	Blue /Navy	
		0200506	24	40	Blue /Navy	
		0200507	1	42	Blue /Navy	
		0200508	8	44	Blue /Navy	
		0200509	14	46	Blue /Navy	
		0200510	12	48	Blue /Navy	
		0200511	2	50	Blue /Navy	
		0200512	1	52	Blue /Navy	
10	HI-VIZ Shirt 100% cotton – Men - Long Sleeve (As per specification 2.1.10)	0200674	7	XS	Orange / Navy	
		0200675	141	S	Orange / Navy	
		0200676	354	M	Orange / Navy	
		0200677	470	L	Orange / Navy	
		0200678	301	XL	Orange / Navy	
		0200679	122	2XL	Orange / Navy	
		0200680	39	3XL	Orange / Navy	
		0200681	110	4XL	Orange / Navy	
11	HI-VIZ Shirt 100% cotton – Men - Short Sleeve (As per specification 2.1.11)	New item		XS	Orange / Navy	
		New item		S		
		New item		M	Orange / Navy	
		New item		L	Orange / Navy	
		New item		XL	Orange / Navy	
		New item		2XL	Orange / Navy	
		New item		3XL	Orange / Navy	
		New item		4XL	Orange / Navy	
		New item		5XL	Orange / Navy	
12	HI-VIZ Shirt 100% cotton – Women Long Sleeve (As per specification 2.1.12)	0200682	8	XS	Orange / Navy	
		0200683	70	S	Orange / Navy	
		0200684	123	M	Orange / Navy	
		0200685	109	L	Orange / Navy	
		0200686	46	XL	Orange / Navy	
		0200687	7	2XL	Orange / Navy	
		0200688	8	3XL	Orange / Navy	
		0200689	7	4XL	Orange / Navy	
13	HI-VIZ Shirt 100% cotton – Women Short Sleeve (As per specification 2.1.13)	New item		XS	Orange / Navy	
		New item		S	Orange / Navy	

		New item		M	Orange / Navy	
		New item		L	Orange / Navy	
		New item		XL	Orange / Navy	
		New item		2L	Orange / Navy	
		New item		3XL	Orange / Navy	
		New item		4XL	Orange / Navy	
14	Safety Spectacles – General Protection (Men) (As per specification 2.1.14)	0200620	138	One Size fits all	Black/Grey & Grey	
		0200621	55	One Size fits all	White/Green & Clear	
15	Safety Spectacles – General Protection (Women) (As per specification 2.1.14)	0200543	44	One Size fits all	Black/Grey & Grey	
		0200544	49	One Size fits all	White/Green & Clear	
15	Laboratory Coat (Men) (As per specification 2.1.15)	New Item	4	S	White	
		New Item	8	M	White	
		New Item	10	L	White	
		New Item	4	XL	White	
		New Item	3	2XL	White	
		New Item	3	3XL	White	
	Laboratory Coat (Women) (As per specification 2.1.15)	New Item	4	S	White	
		New Item	8	M	White	
		New Item	10	L	White	
		New Item	4	XL	White	
		New Item	3	2XL	White	
		New Item	3	3XL	White	
16	Reflective Vests (Men and Women) (As per specification 2.1.16)	0200001	276	S	Hiviz Dayglow & Lime	
		New item		M		
		0200007	75	L	Hiviz Dayglow & Lime	
		New item		XL	Hiviz Dayglow & Lime	
		0200584	24	2XL	Hiviz Dayglow & Lime	
		New item		3XL	Hiviz Dayglow & Lime	
		New item		4XL	Hiviz Dayglow & Lime	
		New item		5XL	Hiviz Dayglow & Lime	

17	HI – Viz Two Tone Work Jacket (As per specification 2.1.17)	0200730	4	28	Navy / Blue or Indigo
		0200717	12	30	Navy / Blue or Indigo
		0200718	38	32	Navy / Blue or Indigo
		0200719	64	34	Navy / Blue or Indigo
		0200720	89	36	Navy / Blue or Indigo
		0200721	98	38	Navy / Blue or Indigo
		0200722	107	40	Navy / Blue or Indigo
		0200723	92	42	Navy / Blue or Indigo
		0200724	79	44	Navy / Blue or Indigo
		0200725	53	46	Navy / Blue or Indigo
		0200726	25	48	Navy / Blue or Indigo
		0200727	3	50	Navy / Blue or Indigo
		0200728	7	52	Navy / Blue or Indigo
		0200729	10	54	Navy / Blue or Indigo
	Freeze Jacket				
18	Mine Knee guards (As per specification 2.1.18)	New Item		One size fits all	
19	Mine elbow Guards (As per specification 2.1.19)	New item		One size fits all	Any Colour
20	Complete Buggy Whip – with Rod 4m (As per specification 2.1.20)	2240044	110	One size fits all	HI – Viz Red reflective
21	HI – Viz 750mm reflective Cone (As per specification 2.1.21)	New Item		750mm	HI – Viz
22	HI – Viz 750mm reflective Cone Strip (As per specification 2.1.22)	1390230	2220	One size fits all	HI – Viz
23	HI – Viz Red Flag (As per specification 2.1.23)	0210016	96	Risk Based	HI – Viz Red Flag
24	HI – Viz Barricade Tape (As per specification 2.1.24) White & Blue	1995496	11	One size fits all	HI – Viz

No.	ITEM	FOSKOR COMMODITY NUMBER	FOSKOR ITEM USAGE	SIZES	COLOUR
1	Full Body Safety Harness (As per specification 2.2.1)	0200006	9	S-XXL	Any Colour
2	Lanyards – Fall Arrest (As per specification 2.2.2)	0200423	25	S-XXL	Any Colour
3	Lanyards – Fall Restraint (As per specification 2.2.3)	0200424	0	Risk Based - Manufacturer	Any Colour
4	Full Face Visor (As per specification 2.2.4)	0200032	10	Risk Based - Manufacturer	Clear
5	Gas Filtering Masks – Half Face Masks (As per specification 2.2.5)	New Item		Risk Based - Manufacturer	Any Colour
6	Gas Filtering Masks – Full Face Masks (As per specification 2.2.6)	New Item		Risk Based - Manufacturer	Any Colour
7	Dust Masks – Airborne Dusts and Mists (As per specification 2.2.7)	New Item		Risk Based - Manufacturer	Any Colour
8	Dust Masks – Welding and Metallic Fumes (As per specification 2.2.8)	New Item		Risk Based - Manufacturer	Any Colour
9	Hearing Protection – Ear Plugs – Reusable (As per specification 2.2.9)	0200069	2312	Risk Based - Manufacturer	Any Colour
10	Hearing Protection – Ear Plugs – Disposable (As per specification 2.2.10)	0200070	50	Risk Based - Manufacturer	Any Colour
11	Hearing Protection – Ear Muffs (As per specification 2.2.11)	0200056	8	Risk Based - Manufacturer	Any Colour
	Hearing Protection -Plug: Ear Qb Headband Hearing Protection NRR25DB NORTH PN/HRB2 QB2 or Equivalent	0200071	1	Risk Based - Manufacturer	Risk Based - Manufacturer
12	PVC Glove – Wrist, Elbow and Full Length (As per specification 2.2.12)			Risk Based - Manufacturer	Any Colour
13	Rough Palm PVC Glove Wrist Elbow and Full Length (As per specification 2.2.13)			Risk Based - Manufacturer	Any Colour
	RUBBER ACID & ALKALINE RESISTANT SHOULDER Full LENGTH	0200097	10		

	SABS 416 (60CM OA)				
	PVC ELBOW LENGTH 40CM OA OPEN CUFF TO SABS 416 ONE SIZE	0200099	107		
	P.V.C. WRIST LENGTH (25CM OA)	0200095	50		
	PIGSKIN ELECTRICIAN KEYSTONE THUMB ELASTICATED WRIST ONE SIZE ARROW HAL 1A-EXEC-PGS OR EQUIPMENT	0200096	1172	One size	
	CHEMICAL 30CM GAUNTLET, NEOPRENE OVER LATEX 0.7MM THICK FLOCK LINED FOR LABORATORY CHEMICAL HANDLING HAND SIZE MEDIUM (76MM)	0200415	1		
	CHROME LEATHER WRIST LENGTH 25CM OA ALL COW LEATHER UNLINED ONE SIZE INYATI OR EQUIVALENT	0200100	594	One Size	
	Mask: Disposable Non-Toxic Dust and mists with Check Valve and Textile Head Band to EN 149: 2001 Grade FFP2 (UOM: Box X 20) No substitute	0200051	1090	One size	
14	Rain Suits (As per specification 2.2.14)	0200413	4	S	Navy / Yellow
		0200066	9	M	Navy / Yellow
		0200073	26	L	Navy / Yellow
		0200412	17	XL	Navy / Yellow
		0200064	22	2XL	Navy / Yellow
		0200414	4	3XL	Navy / Yellow
		0200062	24	4XL	Navy / Yellow
15	Work Gloves (As per specification 2.2.15)				
	Domestic cleaning suitable for general cleaning applications with exposure to household detergents				
	Oxygen lancing, gouging, vertical and upside-down welding applications.				
	General boiler making tasks and furnace attendants				
	High heat welding, gouging, gas cutting and metal forging tasks				
	General handling for high abrasion conditions, plate handling, rigging work, ore handling, plant spillage				
	General handling for high abrasion conditions, plate handling, rigging work, ore handling, plant spillage cleaning				
	Mechanical abrasion pinching and cut risk environments, electrical component assembly, cable termination & jointing, mechanical assembly and rigging applications.				
	Chemical handling suitable for acids and bases. Not suitable for solvents and nitric acid				
	Chemical handling suitable for acids and bases. Not suitable for solvents and nitric acid				
	Chemical handling suitable for acids, bases, solvents and fuel handling applications.				
	Chemical handling suitable for Acids, bases and solvents, laboratory applications				
	Domestic cleaning suitable for general cleaning applications with exposure to household detergents.				

2.5.3

No	Item no	Description	Usage
1	0200002	GLOVE: GOLDEN FLEECE SIZE NATURAL LATEX COTTON FLOCK LINED SUITABLE FOR LIGHT CHEMICAL HANDLING HOUSEHOLD AND JANITORIAL TASKS, YELLOW HAND SIZE MEDIUM (76MM)	700
2	0200003	GLOVE: WELDERS LINED 140-175 DEGREES CELCIUS GREEN	118
3	0200008	SPECTACLES: SAFETY UVEX ASTROSPEC 9168	200
4	0200024	STRAP: CHIN WITH 4 POINT WEBBING AND VELCRO FASTENING; NO CHIN CUP	20
5	0200034	GOGGLE: DUST UVEX ULTRA VISION 9301 ANTI FOG CLEAR NO SUBSTITUTE	39
6	0200035	GOGGLE: GREEN LENSES SUPER "UNO". TYPE (J" NORTH WV/1012/J) CKS 552	5
7	0200041	GOGGLES: GAS CUTTING UVEX ULTRA VISION INFRADUR LENS SH5 HC/AF (ANTI-FOG) P/N 9301245 (NO SUBSTITUTE)	16
8	0200072	CAP: WELDING WITH BACK FLAP (DOBY)	20
9	0200092	GLOVE: CHROME LEATHER ELBOW LENGTH 40CM ALL COW LEATHER UNLINED ONE SIZE INVATI OR EQUIVALENT	4
10	0200209	SOCK: GOLF KHAKI 70% WOOL 30% NYLON SABS 1382 BIOGUARD REINFORCED HEEL AND TOE FOR ADDED DURABILITY COLOUR 80 BEIGE SHOE SIZE 10-12	1200
11	0200416	GLOVE: FURNACE DOUBLE APRON GLOVE RED COW LEATHER 30CM CUFF LINED HEAT RESISTANT TO 500.C TO EN 127477.GLOVE MECHANICAL PROPERTIES TO EN388: IMPACT-4000 (MIN) ABRASION-LEVEL 2 TEAR - LEVEL 3	48
12	0200418	GLOVE: KNITTED, WET & GENERAL USE 13 GAUGE SYNTHETIC YARN POLYURETHANE OR BI-POLYMER COATED PALM & FINGERS GLOVE MECHANICAL PROPERTIES TO EN388: IMPACT-4300(MIN) ABRASION-LEVEL 4 TEAR-LEVEL 5 NINJA X4, ARROW HAS 1 OR EQUIVALENT	300
13	0200419	GLOVE: KNITTED, FLAME & CUT RESISTANT 13 GAUGE SYNTHETIC YARN POLYURETHANE OR BI-POLYMER COATED PALM & FINGERS GLOVE MECHANICAL PROPERTIES TO EN388: IMPACT-4300(MIN) ABRASION-LEVEL 4 CUT-LEVEL 4 TEAR-LEVEL 5 NINJA FORCE, ARROW HAS 1 APGFR OR EQUIVALENT HAND SIZE MEDIUM (76MM)	6
14	0200536	OVERCOAT: FLAME RETARDANT AND ACID RESISTANT 98% COTTON-2% CARBON FIBRE 4/1 SATIN WEAVE, 340GR/M2, NAVY REFLECTIVE BANDS AS PER FOSKOR DIAGRAM SIZE 3XL NORTH TRITEX OR EQUIVALENT	8
15	0200537	OVERCOAT: FLAME RETARDANT AND ACID RESISTANT 98% COTTON-2% CARBON FIBRE 4/1 SATIN WEAVE, 340GR/M2, NAVY REFLECTIVE BANDS AS PER FOSKOR DIAGRAM SIZE MEDIUM NORTH TRITEX OR EQUIVALENT	12
16	0200538	OVERCOAT: FLAME RETARDANT AND ACID RESISTANT 98% COTTON-2% CARBON FIBRE 4/1 SATIN WEAVE, 340GR/M2, NAVY REFLECTIVE BANDS AS PER FOSKOR DIAGRAM SIZE LARGE NORTH TRITEX OR EQUIVALENT	12
17	0200539	OVERCOAT: FLAME RETARDANT AND ACID RESISTANT, 98% COTTON - 2% CARBON FIBRE 4/1 SATIN 340GR/M2, NAVY REFLECTIVE BANDS AS PER FOSKOR DIAGRAM SIZE XL NORTH TRITEX OR EQUIVALENT	6
18	0200540	OVERCOAT: FLAME RETARDANT AND ACID RESISTANT, 98 % COTTON-2% CARBON FIBRE 4/1 SATIN WEAVE, 340GR/M2, NAVY REFLECTIVE BANDS AS PER FOSKOR DIAGRAM SIZE 2XL NORTH TRITEX OR EQUIVALENT	6
19	0200529	OVERCOAT: FLAME RETARDANT AND ACID RESISTANT, 98 % COTTON-2% CARBON FIBRE 4/1 SATIN WEAVE, 340GR/M2, NAVY REFLECTIVE BANDS AS PER FOSKOR DIAGRAM SIZE SMALL NORTH TRITEX OR EQUIVALENT	2
20	0200553	CAPLAMP: 3 LED 100 LUMENS WITH ELASTIC HEADBAND ENERGIZER, PETZEL OR LED LENZER ONLY	60
21	0200576	GLOVE: GOLDEN FLEECE, NATURAL LATEX, COTTON FLOCK LINED, SUITABLE FOR LIGHT CHEMICAL HANDLING, HOUSEHOLD AND JANITORIAL TASKS, YELLOW, HAND SIZE LARGE (89MM)	13
22	0200577	GLOVE: CHEMICAL, 30CM GAUNTLET, NEOPRENE OVER LATEX 0.7MM THICK COTTON FLOCK LINED FOR LABORATORY CHEMICAL HANDLING, HAND SIZE XLARGE (89MM)	10

23	0200579	GLOVE: KNITTED, WET & GENERAL USE, 13 GAUGE SYNTHETIC YARN POLYURETHANE OR BI-POLYMER COATED PALM & FINGERS, GLOVE MECHANICAL PROPERTIES TO EN388: IMPACT-4300(MIN)ABRASION-LEVEL4 TEAR LEVELS, NINJA X4 ARROW HAS1 OR EQUIVALENT	20
24	0200580 0200581	GLOVE: KNITTED, WET & GENERAL USE, 13 GAUGE SYNTHETIC YARN POLYURETHANE OR BI-POLYMER COATED PALM & FINGERS, GLOVE MECHANICAL PROPERTIES TO EN388: IMPACT-4300(MIN) ABRASION -LEVEL4 TEAR-LEVEL5, NINJA X4, ARROW HAS1 OR EQUIVALENT	500
25		GLOVE: KNITTED, FLAME & CUT RESISTANT, 13 GAUGE GLASS/ ARAMID/ KEVLAR / DYNEEMA SPUN SYNTHETIC YARN, BI-POLYMER COATED PALM & FINGERS, GLOVE MECHANICAL PROPERTIES TO EN388: IMPACT-4300(MIN) ABRASION- LEVEL 4, TEAR/CUT-LEVEL 5, NINJA FORCE, ARROW HAS1 APGFR OR EQUIVALENT, HAND SIZE LARGE (89MM)	80
26	0200585	LOTION: SUNSCREEN 40SPF IN 50ML TUBES.UOM=EACH	50
27	0200604	POUCH: SMALL UTILITY COMPLETE WITH WAIST BELT FOR PPE STORAGE, ACID RESISTANT FABRIC, NORTH STOCK CODE,RPA5	10
28	0200620	SPECTACLE: SAFETY MENS UVEX PHEOS PC GREY SUNGLARE FILTER/SUPRAVISION HC-AF	20
29	0210057	BAG: TOG BAG 350MM X 600MM HIGH, 320 GRAMM2 RIP-STOP CANVAS WITH 10MM SASH CORD DRAW STRING	10
30	0200069	E2111200 – Uvex earplug Whisper corded in bag	200
31	0200070	E2112001 – Uvex X-fit uncorded disposable earplug	26
32	0200810	ZERO FLAME WORK TROUSER AS PER SPECIFICATION 2.3.1 TROUSER	
33	0200811	TROUSER: ZERO FLAME WORK AS PER SPECIFICATION 2.3.1 FOR WOMEN & MEN (UNISEX) SIZE 30 COLOUR NAVY. BLUE	20

2.6.1 HOT WORK

No.	ITEM	FOSKOR ITEM USAGE	SIZES	COLOUR
1	Zero Flame Work Trousers (As per specification 2.3.1) – Men & Women (Unisex)	New item	28	Navy Blue
		New item	30	Navy Blue
		New item	32	Navy Blue
		New item	34	Navy Blue
		New item	36	Navy Blue
		New item	38	Navy Blue
		New item	40	Navy Blue
		New item	42	Navy Blue
		New item	44	Navy Blue
		New item	46	Navy Blue
		New item	48	Navy Blue
		New item	50	Navy Blue
		New item	52	Navy Blue
		New item	54	Navy Blue

2	Zero Flame Work Jacket (As per specification 2.3.2)								Navy Blue
		0200690	0	28					Navy Blue
		0200691	5	30					Navy Blue
		0200692	12	32					Navy Blue
		0200693	20	34					Navy Blue
		0200694	42	36					Navy Blue
		0200695	24	38					Navy Blue
		0200696	27	40					Navy Blue
		0200697	41	42					Navy Blue
		0200698	42	44					Navy Blue
		0200699	18	46					Navy Blue
		0200700	12	48					Navy Blue
		0200701	6	50					Navy Blue
		0200702	2	52					Navy Blue
		0200703	2	54					Navy Blue
3	Welding Helmet (As per specification 2.3.3)	0200009	5						
4	Safety Eye Wear - Welding (As per specification 2.3.4)	New Item							
5	Welding Helmets – Lens Replacements (As per specification 2.3.5)								
	Welding Shade 8	0200012	4					Universal / Standard	Universal / Standard
	Welding Shade 10	0200421	4					Universal / Standard	Universal / Standard
	Welding Shade 12	New Item						Universal / Standard	Universal / Standard
6	Welding Helmets – Auto Darkening (As per specification 2.3.6)	0200021	4					Universal / Standard	Universal / Standard
7	Alkali / Acids Face Protection (As per specification 2.3.7)	New Item						Universal / Standard	Universal / Standard
8	Welding Safety Boots (As per specification 2.3.8)								
		New Item		5				Universal / Standard	Universal / Standard
		New Item		6				Universal / Standard	Universal / Standard
		New Item		7				Universal / Standard	Universal / Standard
		New Item		8				Universal / Standard	Universal / Standard
		New Item		9				Universal / Standard	Universal / Standard
		New Item		10				Universal / Standard	Universal / Standard
		New Item		11				Universal / Standard	Universal / Standard
		New Item		12				Universal / Standard	Universal / Standard
		New Item		13				Universal / Standard	Universal / Standard
		New Item		14				Universal / Standard	Universal / Standard
9	Welding Spats (As per specification 2.3.9)	0200094	2					Universal / Standard	Universal / Standard

10	Hot Work – Socks (As per specification 2.3.10)	0200618	600	X-Large (9-10)	Universal / Standard
11	Welding / Grinding Apron (As per specification 2.3.11)	0200093	13	One size fits all	Universal / Standard
	APRON: ACID RESISTANT PVC 300GRAMM2 BIB TYPE 70 X 120CM WHITE/YELLOW	0200037	7	One size fits all	Universal / Standard
12	Gladiator Glove (As per specification 2.3.12)	New Item		S-XL	Universal / Standard
13	Welding / Grinding Gloves (As per specification 2.3.13)	New Item		S-XL	Universal / Standard

2.7 COMFORT WEAR

No.	ITEM	FOSKOR ITEM USAGE	SIZES	COLOUR
1	Sun Brim (As per specification 2.4.1)	0200583	One size fits all	Universal / Standard
2	Hair Nets (As per specification 2.4.2)	0200586	One size fits all	White in colour
3	Fire Fighting - Boot (As per specification 2.4.3)	New Item	6	Black/Yellow
		New Item	7	Black/Yellow
		New Item	8	Black/Yellow
		New Item	9	Black/Yellow
		New Item	10	Black/Yellow
		New Item	11	Black/Yellow
		New Item	12	Black/Yellow
		New Item	13	Black/Yellow
4	Fire Fighting - Balaclava (As per specification 2.4.4)	New Item	One size fits all	Any Colour
5	Fire Fighting - Gloves (As per specification 2.4.5)	New Item	One size fits all	Any Colour
6	Fire Fighting - Helmet (As per specification 2.4.6)	New item	One size fits all	Yellow
7	Fire Fighting – Bunker / Gear Two Piece (As per specification 2.4.7)	New Item	M	Yellow / Khaki
		New Item	L	Yellow / Khaki
		New Item	XL	Yellow / Khaki

		New Item	4	2XL	Yellow / Khaki
		New Item	2	3XL	Yellow / Khaki
		New Item	1	4XL	Yellow / Khaki
		New Item	1	5XL	Yellow / Khaki
8	Fire Fighting – Jumpsuit One Piece (As per specification 2.4.8)	New Item	2	M	Any Colour
		New Item	4	L	Any Colour
		New Item	2	XL	Any Colour
		New Item	4	2XL	Any Colour
		New Item	2	3XL	Any Colour
		New Item	1		
9	Fire Fighting – Bunker / Gear Bag (As per specification 2.4.9)	New Item	1	One size fits all	Any Colour
	BAG: TOG BAG 350MM X 600MM HIGH, 320 GRAMM2 RIP-STOP CANVAS WITH 10MM SASH CORD DRAW STRING	02100117	2		
	BAND: HAT INNER SNUG FIT LINING 6 POINT LINER WITH RATCHET ADJUSTER	0200117	48		
	LACE: BOOT COMBAT SABS 770	0180200	34		
	LACE: SHOE BROWN/BLACK SABS 770	0180202	46		
	LOTION: SUNSCREEN 40SPF IN 50ML TUBES.UOM=EACH.	0200585	21		

3. **SAFETY SYSTEMS**

The Contractor will always observe the Foskop's safety standards. Where adequate safety precautions are not being observed, Foskop may order the Contractor to comply with minimum safety requirements at the Contractor's expense, and compliance with such an order will not absolve the Contractor from any of his responsibilities and obligations under the Contract. In the event Foskop amends the minimum safety requirement, the Contractor will submit variance rate for approval, in lieu of compensation for any additional cost incurred by Contractor.

3.1 **PPE minimum requirements:**

All Mine employees including contractors are governed by the COP 65 in terms of the required PPE. The requirements for different areas where, the contractor employees will deliver PPE orders to will be communicated accordingly.

3.2 **LDV / transport minimum requirements:**

- All LDV's to be used on Restricted mine areas (Open Pit and Tailings) must be with ROP or NCAP 5* rating vehicles.
- The LDV's must be fitted with reflector tape and rotating lights. Stop blocks and reverse alarms must be included, with fire extinguishers.

Note: Where the safety standards on the mine change in terms of new requirements, a rate adjustment as an amendment to the current contract will be made to cater for the change in this clause. It will be referred to as "Amendment in current contract".

3.3 **Training minimum requirements:**

Foskop will be responsible to give the following training to the Service provider:

- 2.9.2 Training – only appointed personnel.
- LDV, VTS testing – to all drivers
- SHE rep – only to appointed persons.

Other compulsory training not mentioned will be provided by the service provider, including but not limited to:

- Fire Fighting
- Basic Health and Safety
- HIRA
- First Aid

Note: Where Foskop fails to offer the training requirements in time, the Contractor will have to outsource the training with additional costing to Foskop.

Note: The contractor will be given 3 months to achieve legal appointment qualifications (2.6.1 and 2.9.2). This training is offered by Foskop free of charge.

4 **CONTRACT STAFFING**

The proposed methodology is to:

4.1 Operate the PPE store supervised by competent people in receiving orders, issuing ordered PPE on daily basis.

4.2 The operation will be done on a 9-hour period 5 days per week from Monday to Friday.

4.3 The Service provider must cater for the following:

- (i) One 2.9.2 Appointed Supervisor who will be responsible for day to day running of the store onsite.
- (ii) Any other required personnel as per the Service Provider requirements
- (iii) The service provider should make provision for:
 - Relief team to cater for the following Health and Safety requirements and Labour law:

- Medicals and Inductions Annually
- Contractor Inductions
- She rep and First aid training
- Policies internal and external
- Risk assessments on project awareness
- Emergency preparedness trainings including Drills.
- Firefighting training
- LDV licensing

5 PENALTIES

The service provider will be expected to take a good care of Foskor's properties and premises. All the incidents of damage to properties or loss of value will be investigated by both parties. Where the service provider found to be at fault the cost associated with the incident thereof will be of the service provider.

Note: Failure in submitting documentary proof of the above criteria will lead to the disqualification of your bid.

6. CONTACT PERSON

Technical

Bulelwa Mpofo

Senior Manager: Safety, Security, Health & EMS

Tel: (015) 789 2204

Email: bulelwam@foskor.co.za

Commercial

Ruth Springbok

Senior Buyer

Tel: (011) 347 0619

Email: Ruths@foskor.co.za