

SCOPE OF WORKS

Security Technology Project

Table of Contents

1	INVITATION TO TENDER	3
2	PRE - QUALIFICATION	3
3	SCOPE BACKGROUND.....	3
4	OBJECTIVES.....	4
5	SCOPE OF WORK.....	4
6	PROJECT URGENCY.....	5
7	DELIVERY OF MATERIAL & EQUIPMENT.....	5
8	TENDER DELIVERABLES	6
9	SAFETY	6
10	LEGISLATIVE REQUIREMENTS	7
11	PERMIT TO WORK.....	9
12	SAFETY FILE.....	10
13	PARAMETERS	15
14	PROJECT MANAGEMENT	16
15	LAISON & CO-ORDINATION WITH OTHERS	17
16.	GENERAL CONDITIONS	17
17	TENDER EVALUATION	18
18	MANDATORY REQUIREMENT	18
19	EVALUATION CRITERIA	19
20	SCHEDULE QUANTITIES	20
21	CONTACT DETAILS.....	28

SCOPE OF WORK

TENDER NO.: 00

DESCRIPTION: SUPPLY AND INSTALL SECURITY TECHNOLOGY – CAMERAS & ALARM SYSTEM

AREA: FOSKOR MINE

1. INVITATION TO TENDER

This document outlines the essential requirements for the supply and installation of advanced security technology, including cameras, alarm systems, and Tier 1 security surveillance control room infrastructure. To ensure seamless integration and optimal security management, a Tier 1 solution is required, along with a Tier PSIM (Physical Security Information Management) control room platform for centralized command and enhanced situational awareness. The supplier must be fully registered with PSiRA (Private Security Industry Regulatory Authority).

2. PRE-QUALIFICATION

Prequalification is an information-gathering process that determines the suppliers' capability, capacity, resources, and performance. This is the first process taken at the beginning of the procurement process when we have the greatest ability to influence safety holistically prior to the project.

- Supplier must be PSIRA accredited and in possession of a valid PSIRA certificate.
- Company - The Supplier must be the corporate member of SAIDSA (South African Intruder Detection Service Association).
- Installation technicians working on the project must be registered with PISRA and be in possession of the valid PSIRA certificates.

2.1 TECHNICAL AND COMMERCIAL PRE-QUALIFICATION

- Supplier must be PSIRA accredited and in possession of a valid PSIRA Certificate.
- Company - The Supplier must be the corporate member of SAIDSA (South African Intruder Detection Service Association).
- The company and the company Directors must have a valid registration with Private Security Industry Regulation Authority (PSIRA) in terms of PSIRA Act 56 of 2001.
- The directors of the company must possess a minimum of Grade B PSIRA valid registration.
- Installation technicians under the supplier must be PSIRA registered and in possession of valid PSIRA Certificates.

3. SCOPE BACKGROUND

The purpose of this tender is to appoint a qualified supplier which would successfully supply and install security technology; cameras, alarm system and other related components of the security infrastructure at the organisation to minimize security risk by discouraging and detecting of criminal activities within Foskor mine premises. This document describes the Scope of Work for all required work for the project.

The mine is currently using outdated security technology in terms of Surveillance and monitoring purposes. The system is not effective and adding any value, therefore the mine requires the services of a reputable security service provider which specialized in the installation of the latest security technology solutions to curb emerging crimes especially in the mining industry.

3.1 COMPANY BACKGROUND

Foskor is one of the world's largest producers of phosphate rock (concentrate) and phosphoric acid. It is one of the world's few vertically integrated producers of phosphoric acid and is the second-largest supplier to India, the world's largest consumer of phosphoric acid.

The Company owns and mines phosphate resources and beneficiates the mined material to produce phosphate concentrate at Phalaborwa, in the Limpopo Province of South Africa. The phosphate concentrate is sold locally and transported to the Richards Bay plant on the coast of Kwa-Zulu Natal to produce phosphoric acid, sulphuric acid and granular fertilisers MAP and DAP from phosphoric acid and is the leading supplier of fertilisers in South Africa. In all about 95% of the phosphoric acid is exported and the granular sales are divided between exports and local markets. Since 1951 Foskor has supplied more than 95% of South Africa's fertiliser requirements.

4. OBJECTIVE

The objective of the implementation of security technology includes increasing security and safety measures, deterrence of criminal activity, and technology can act as potential evidence for investigations during labour and community unrest. The duration of the project should at least be six (6) months.

5. SCOPE OF WORK

5.1 Supply and installation of CCTV Surveillance Control Room and critical equipment.

5.2 Installation of cameras/artificial intelligence hardware or software solutions with power backup to all camera, network and hardware infrastructure at the following critical areas:

- Wiers and Pump Stations around the Selati Tailings Dam
- Substations
- Tailings Pump Station
- Sections of the Perimeter where applicable
- Major Cable Racks
- Extension 8 Cable Racks (perimeter)
- Automatic Number Plate Recognition along main entry points
- Critical conveyors which have larger cable racks running along side
- Control room building
- Moshate House Regional office
- Strategic points
- Security main access points
- Ring Main Unit Transformers around South & North pit
- Secondary Crusher
- Entry Intersection to Viewpoint
- Mining Workshop Perimeter
- New Generator Station
- Gate 4
- Gate 7
- Gate 9

- Gate 10

5.3 Supply and install as per attached BOQ document.

5.4 SCOPE – EXTENT OF WORK OR SERVICE REQUIRED

Any extended work or services that would be required that is not addressed on the main scope of work above.

5.4.1 GENERAL SCOPE CONSIDERATIONS

This tender is for the provision of all the following but not limited to:

- Supply, equipment, materials, labour, tools, transport & logistics, site management, safety management, quality management, etc. as defined in the Foskor General Engineering Specifications, COP's, and SANS standards.
- All Supervisors and Site Managers will be required to pass the Foskor Legal Exam (2.9.2 and 2.6.1 Appointments)

5.4.2 PROJECT COSTING AND EXPENSES

The contractor shall supply all services, materials, labour, transport, supervision, and consumable materials, equipment, tools, and every item of expense for the scope of work to be completed successfully unless otherwise stated.

5.4.3 DISPOSAL OF REFUSE

The Contractor shall be responsible for disposal of refuse and waste generated by his staff daily. The site is to be kept clean, neat, and tidy, by complying with Foskor Waste Management COP.

5.4.4 SUB-CONTRACTING AND JOINT VENTURES

The primary aspect of the works may not be sub-contracted. For sub-contracting the relevant companies supporting documentation needs to support the bidder's tender.

Joint Ventures must be declared in the bidder's tender with all relevant supporting documentation. The main contractor must comply with technical evaluation criteria.

5.4.5 COSTING

Site establishment and de-establishment is for the Contractor's account. Only one invoice per month will be accepted for payment for the total service rendered by the Contractor. This invoice must be received before the monthly deadline, which will be provided by Foskor.

6. PROJECT URGENCY

Project urgency is defined below:

This is a Project that impacts directly on production, sustainability, company reputation, safety and security of the business. And when one or all the above-mentioned aspects are attacked, the business bottom line is threatened. Advantages of security technology include increased security and safety measures, deterrence of criminal activity, and potential evidence for investigations during labour and community unrest and more. Delays in getting this supplier will lead to more critical infrastructure attacks, such as copper cable theft, diesel fuel theft, batteries theft and sabotage. Subsequently, this will then lead to insufficient

Phosphate product which Foskor can supply to its customers and reputation and the bottom line of the business will negatively be affected.

7. DELIVERY OF MATERIALS AND EQUIPMENT

It is the responsibility of the Contractor to take delivery, off-loading, storage and moving into their permanent position all equipment and materials covered under this Scope. The Contractor shall, at their own expense, be responsible for the delivery of imported plant and equipment to site, materials and Contractor's plant and equipment in connection with the execution of the works, including but not limited to securing of permits and customs clearances, payment of handling costs, storage costs, releasing costs, transportation costs, and excise duties, taxes, imports, and charges of any kind that may be imposed by the South African Government, or any of its agencies and political sub-divisions relating to the supply and delivery of the imported plant and equipment, materials and Contractor's plant and equipment to site.

TAKE NOTE - Foskor pays for material delivered to Foskor site only!

NB: The contractor / consultant must clearly state in the tender submission if there is an exclusion on the Foskor scope (As per the site meeting procurement scope and site meeting minutes) Failure to state the exclusion will mean that the full Foskor scope is still applicable.

8. TENDER DELIVERABLES

The deliverables will include:

- Complete Foskor pricing schedule (BOQ)
- Preliminary Project Schedule
- Preliminary method statement to execute the site work.
- Commercial documents requested by Procurement.

Not submitting the required documentation or not completing the documentation (Pricing Schedule) correctly may lead to a disregard of the tender.

9. SAFETY

Service provider to refer to the full and updated Foskor COP's available:

- The service provider and sub-service providers need to always comply with the Mine Health and Safety act. All Foskor COP's Policies and procedures need to be adhered to.
- A service provider 2.9.2 to be permanently on-site.
- Medical, Induction, Foskor ID Card, etc. is approximately R800 per person. Exit medicals need to be done on termination of the contract.
- The successful tenderer will be required to compile a Foskor Work permit and at least 2 weeks should be allocated for this. The service provider must provide the following appointed persons in terms of the MHSA: 2.6.1; 2.9.2 and Section 29(1) – SHE REP for the duration of the contract.
- All vehicles and cranes as well as other TMM's to be inspected before entering Foskor Premises.
- All person competencies to be verified before being allowed to work on Foskor premises for a specific task.
- The service provider must compile a Safety File as per Foskor standard for all service providers and sub-service providers.
- Site access will need to be controlled, and all persons must receive site-specific induction before entering the site.
- Conduct inspections as per Foskor Safety System. Analyse data and trends and recommend preventative measures where required.

- Ensure all authorizations are in place as per the Foskop Safety System. Arrangement with Foskop training to be done by the service provider to ensure that authorization and training are conducted. Arrange timeously.
- Ensure all workers competencies are available and have been validated.
- Ensure proper security, signboards, fencing, and barricading is in place on-site where applicable.
- The service provider shall in general comply with the FOSKOR General Engineering Specifications, COP's, latest revisions, and all relevant regulations.
- The service provider must complete a Baseline Risk Assessment (COP 01) before a work permit can be issued for the installation.
- All service providers not in possession of a valid Foskop ID card must complete the Foskop induction course and must undergo a medical examination at the Foskop clinic on the service provider's account.
- The service provider shall be responsible for coordinating and integrating his schedule and responsibilities with other FOSKOR appointed contract manager on-site for this Scope of Work.
- All personnel operating mobile equipment including LDV's must have a Foskop driver's permit.
- An open Pit Licence is required for driving in the mining areas.
- All the required PPE and Safety Equipment are for the service provider's account.

All service providers must ensure that:

- Their workers are issued with the correct personal protective equipment free of charge.
- That the workers wear the PPE per the project area's requirements or as given by the service provider Supervisor.
- Training is provided in the correct use of PPE to workers.
- Daily inspections are done on PPE.
- The registers will be complete at least monthly on findings on PPE. (All PPE must be kept in good condition)

All service providers need to be informed of the following minimum training applicable to all service providers (irrespective of the tasks or scope of work) that will enter the Foskop Phalaborwa site with effect from 1 April 2014. This training is not presented by the Foskop Training section and service providers must ensure that the training is sourced through accredited external training companies:

- Basic health and safety principles
- HIRA
- First Aid Training

All other training requirements must be aligned with the baseline risk assessment. Risks identified in the baseline risk assessment will provide guidance on training requirements. A summary of the training must be completed as well as status on required authorization as per Foskop COP's.

Training certificates will be accepted when complying with the following:

- Unit Standard Title
- Learner Full name
- Learner ID number
- Competency achieved.
- Date of Assessment
- Assessors signature
- Training provider logo
- Training provider registration number and accreditation number.
- SETA logo

10. LEGISLATIVE REQUIREMENTS – SUMMARY

10.1 MINIMUM LEGISLATIVE REQUIREMENTS

The successful or appointed service provider shall comply with:

- The Mines Health and Safety Act with Regulations (Latest revision)
- The National Road Traffic Act with Regulations (Latest revision)
- All applicable national and international legislative requirements and regulations.
- Foskor (Pty) Ltd COP (Code of Practice) No. 25 for Service Provider Control (Available on request)
- Foskor (Pty) Ltd COP (Code of Practice) No. 59 for Trackless Mobile Machinery (Available on request)
- All Foskor (Pty) Ltd Safety, Health, Quality and Environmental procedures applicable to the successful application of the contract, this is available on request.
- All Foskor procedures and policies apply to the successful application of the contract. (Available on request)

10.2 SUMMARISED REQUIREMENTS / EXTRACTS FROM FOSKOR COP'S

Before entering and operating a service vehicle (Own vehicle) on Foskor site, the appointed service providers shall:

- Ensure that their driver/s have a valid national driver's licence for the specific class of vehicle, have been tested by the Foskor mobile equipment training centre and authorised by a Foskor MHSA (Mines Health and Safety Act) regulation 2.13.1 appointee for the class of vehicle to be used on site. (Contact the Foskor mobile equipment training centre at 015 789 2840 to make an appointment for competence testing and authorisations).
- The appointed service provides shall, before entering and operating a vehicle or trailer on the Foskor premises:
 - a) Obtain permission from the Foskor Safety and Security manager to operate their nominated service vehicle/s or trailers on the Foskor site. (Forms will be provided)
 - b) Obtain a certificate of fitness from the Foskor Light Vehicle maintenance workshop supervisor or appointed Foskor inspector for their nominated service vehicle/s. Inspections conducted daily between 08:00 and 08:30 and between 13:30 and 14:00 (Excl. Fridays) at the Light Vehicle Maintenance workshop.
 - c) Submit the above permission and COF at the main security office for the issue of a vehicle access disk.
 - d) Ensure that their service vehicles/trailers have been inspected (Daily) by the Foskor standard (COP 59) to ensure that they are safe and fit for use. (Forms will be provided)
 - e) See Foskor COP 59, Trackless Mobile Machinery for details.
- Before entering and working on Foskor site the appointed service providers shall ensure that their workmen are:
 - a) Briefed on the required task and have been informed of any abnormal conditions/situations.
 - b) Physically, emotionally, and mentally fit to perform their duty.
 - c) Issued with the necessary PPE (Personal Protective Equipment) to safely operate their service vehicles and perform the duty of maintaining, servicing, inspecting, and testing earthmoving and mobile equipment.
 - d) Before commencement of work, all tools and equipment shall have been inspected and tested to be in good and safe working order.

- e) All workmen have participated in the completion of a standard Foskor site risk assessment (Commonly known as a HIRA or Hazard Identification and Risk Assessment) and taken appropriate actions to mitigate any identified hazards.
- Before entering and working on the Foskor site the appointed service provider shall:
 - a) Ensure that their portable electrical equipment have been tested and declared safe for use by the Foskor electrical services workshop.

11. PERMIT TO WORK

Before any on-site work under this contract may commence, the appointed or successful service provider shall obtain a PERMIT TO WORK from Foskor. The following guidelines are provided to assist the appointed service provider in obtaining a PERMIT TO WORK. {See Foskor COP 28 Permit to work and COP 25 Control of Externally Provided Processes, Products and Services (Service provider Control) for details}:

- The PERMIT TO WORK can be obtained from Safety, and on completion returned to the Legal Administrator, Foskor Safety department.
- Obtain a contract number from the Foskor Procurement or Projects department.
- Appoint a subordinate manager under Regulation 2.6.1 and an on-site supervisor under Regulation 2.9.2 of the Mines Health and Safety Act. The appointed subordinate manager and supervisor shall be required to write and pass the Foskor 2.6.1 and 2.9.2 legal examinations within 30 days after the contract has been awarded.
- Attend an hour-long legal exam briefing any Thursday between 08:00 and 09:00 at the Security training hall.
- Write legal examination any Friday between 07:30 and 10:30 at the Security training hall. (Please book)
- Appoint an on-site SHE-Rep under section 29(1) of the MHSA to assist Regulation 2.6.1 and 2.9.2 on the daily on-site management of health, safety and environmental issues.
- The designated SHE Rep must have the ability to read, write and express him/herself.
- The appointed SHE-Rep shall be required to attend a five-day SHE-Rep training course within 30 days after being awarded this contract (Training free of charge). Make booking on 015 789 2531.
- A pre-requisite for attending the SHE-Rep training course is successful completion of Basic Health and Safety Principles and HIRA training.
- See Foskor's COP 5 Health and Safety Representatives for details.
- Provide a name list, including ID numbers, residential and postal addresses, and telephone numbers of all of the appointed service providers' on-site employees.
- All the appointed service providers' on-site employees shall undergo a full medical examination at the Foskor on-site CLINIX Clinic. The clinic can be contacted at 015 789 2427 for an appointment. Please note:
- All NEW- and employees LEAVING the service of the appointed service provider must undergo a full entry or exit medical examination.
- Women who are pregnant or suspect that they may be pregnant must notify the examining medical practitioner.
- The appointed service providers designated on-site drivers shall receive competence testing and authorisation to operate vehicles on Foskor site.
- All the appointed service providers' employees shall receive/have received the following training:
 - a) First Aid Level 1 (Provide own training)
 - b) Working at heights (Provide own training)

- c) Basic Health & Safety Principles (Provide own training)
 - d) HIRA (Provide own training)
 - e) Basic Firefighting. (Provide own- or receive Foskop training, contact 015 789 2531 for bookings)
 - f) Lock-out. (Provide own or receive Foskop training, contact 015 789 2531 for bookings)
- All training not provided by Foskop must be verified by the Foskop training superintendent Mr Johan Fouche. Please contact him at 015 7789 2525 to make an appointment or email proof of training and certificates to johanfo@foskor.co.za to confirm compliance before requesting his approval on the PERMIT TO WORK.
 - All the appointed service providers' on-site employees shall receive the basic Foskop site induction training at the Foskop Security office.
 - All the appointed service providers' on-site employees shall receive site-specific induction training provided by the Foskop area Regulation 2.6.1 appointee/s.
 - A BRA (Baseline Risk Assessment) shall be completed for ALL "typical" tasks that will be completed under this contract. The BRA to be approved by the responsible Foskop MHSA 2.13.1 appointee and signed by all the service providers' employees. Make use of Foskop's BRA document, Annexure 1.2, contained in COP 1, Risk and Opportunities Management (Available on request)
 - Attach a detailed SCOPE OF WORK describing the required task and -outcome of this contract.
 - All Foskop's appointed MHSA Regulation 2.9.2, 2.6.1, 2.13.1 and 3.1. a manager must undersign/approve the PERMIT TO WORK.
 - Registration and proof of payment under the Compensation for Occupational Injuries and Diseases Act, no. 130 of 1993. The registration number must be provided.
 - SARS issued a tax clearance certificate.
 - All relevant documentation and/or evidence of compliance must be attached to the PERMIT TO WORK.
 - Upon successful completion and approval of the PERMIT TO WORK the Security department will issue the appointed service providers' employees with access ID cards.
 - Any other documents, certificates or records as requested by a Foskop official deemed necessary to ensure that all safety, legislative and administrative requirements have been met must be attached to the PERMIT TO WORK.
 - The appointed service provider must allow at least three to ten working days to complete all the PERMIT TO WORK requirements.

12. SAFETY FILE

The appointed contractor must compile a SAFETY FILE specifically for this contract. The SAFETY FILE must always be available for inspection by a Foskop official: The following guidelines are provided to assist the appointed contractor in compiling a SAFETY FILE:

Before any work may commence, the appointed service provider must IN CONJUNCTION WITH THE FOSKOR SAFETY DEPARTMENT, compile a SAFETY FILE specifically for THIS contract. (Contact the relevant area responsible Safety Representative as indicated by Foskop at the Kick-off meeting.

The SAFETY FILE must always be available for inspection by a Foskop official.

12.1 FOSKOR SAFETY FILE INDEX – TYPICAL

Template SHE FILE INDEX: - TYPICAL

ISO clause / Description of item File divider

- Integrated Management System.
 - Clause 5.1 & 5.2
- Policies
 - Clause 5.2: OH&S Policies
- COP 1: Foskor risk management
 - Clause 6.1.2.1 & 6.1.2.2: Hazard identification, risk assessment and determining controls.
- COP 88: Objectives, targets and management programmes
 - Clause 6.2: Objectives and programs
- COP 2: Compliance obligations and appointments
 COP 5: Health and safety representatives,
 - Clause 5.3: Legal and other requirements
 - Clause 5.3 / 7.1: Resources, roles, responsibility, accountability, and authority
 - Clause 6.1.3: compliance obligations/ legal and other requirements
- COP 15: SHERQ Competency and awareness training
 - Clause 7.2 / 7.3: Competence, training, and awareness
- COP 17: Mobile, technical and process training
 - Clause 7.2 / 7.3: Competence, training, and awareness
- COP 6: SHERQ Committees
 COP 7: Communication
 - Clause 7.4: Communication, participation, and consultation
- OCCUPATIONAL HYGIENE
 - a) COP 42: Lighting: natural and artificial.
 - b) COP 43: MCOP Occupational health programme on thermal stress
 - c) COP 44: Sanitation plant hygiene amenities
 - d) COP 45: MCOP occupational health program on personal Exposure to Air borne Pollutants.
 - e) COP 64: Ergonomics
 - f) COP 86: MCOP for Occupation Health Program for noise
 - g) Clause 8.1.2 Eliminating hazards and reducing OH&S risks.
- COP 49: Waste management
 COP 58: Hazardous chemical substances and control Hazchem and waste management
 - Clause 8.1.2 Eliminating hazards and reducing OH&S risks.
- COP 53: Lock out system and usage.
 - Clause 8.1.1 General
 - Clause 8.1.2 Eliminating hazards and reducing OH&S risks.

- COP 55: Stairs, walkways handrails and ladders
 Clause 8.1 Operational planning and control,
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk

- COP 56: Lifting machinery and lifting Tackle.
 Clause 8.1 Operational planning and control,
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk

- COP 57: Boilers and vessels under pressure work forms
 Clause 8.1 Operational planning and control,
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk

- COP 59: MCOP for the operation of TMM's
 Clause 8.1 Operational planning and control,
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk

- COP 60: Portable electrical equipment checks and registers.
 Clause 8.1 Operational planning and control,
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk

- COP 61: Earth leakage Relays and checks
 Clause 8.1 Operational planning and control,
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk

- COP 62: General Electric installations and machinery in hazardous locations
 Clause 8.1 Operational planning and control,
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk

- COP 63: Hand tools
 Clause 8.1 Operational planning and control,
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk

- COP 65: Personal Protective Equipment
 COP 67: MCOP Women in mining PPE
 Clause 8.1 Operational planning and control
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk

- COP 69: Maintenance of fire equipment.
 Clause 8.1 Emergency preparedness and response,
 Clause 8.1.2 Eliminating hazards and reducing OH&S

- COP 72: Firefighting emergency drill and instructions
 COP 74 Emergency preparedness and response
 Clause 8.1 Operational planning and control,
 Clause 8.2 Emergency Preparedness and response

- COP 93: MCOP for the safe use of conveyors installation for the transportation of minerals,
 material or personnel

Clause 8.1 Operational planning and control,
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk

- COP 94: Hot work
 Clause 8.1 Operational planning and control,
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk
- COP 95: Confined space entry
 Clause 8.1 Operational planning and control,
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk
- COP 96: Working on Heights
 Clause 8.1 Operational planning and control
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk
- COP 97: Erection and use of scaffolding
 Clause 8.1 Operational planning and control,
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk
- COP 98: Water safety
 Clause 8.1 Operational planning and control,
 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk
- COP 101: MCOP: The right to refuse dangerous work and withdraw from dangerous workplace.
 Clause 8.1 Operational planning and control
 Clause 6.1: Actions to address risks and opportunities/Hazard identification, risk assessment,
 and determining controls.

 Clause 8.1.2 Eliminating hazards and reducing OH&S Risk
- COP 102: MCOP: Risk based emergency care on mine.
 Clause 8.1 Operational planning and control
 Clause 8.2 Emergency preparedness and response
- COP 103: Use of mobile devices on the mine premises
 Clause 6.1: Actions to address risks and opportunities/Hazard identification, risk assessment and
 determining controls.
 Clause 8.1 Operational planning and control
 Clause 8.2 Emergency preparedness and response
- COP 22: SHEQ Inspection
 Clause 8.1 Operational planning and control
 Clause 8.2 Emergency preparedness and response
- COP 23: Internal and external audit.
 Clause 9.2 Internal audit
 Clause 9.2.1 general and 9.2.2 internal audit programme.

Notes:

- a) If a COP is not applicable to your section, please complete and attach the “Not Applicable” form in the space of the COP.
- b) Always keep your file neat and clean.

- c) A Foscok Representative may add or remove any other Foscok safety, health, quality and environmental policies and/or procedures deemed applicable.
- d) If a COP is not applicable to this contract/project, please complete and attach the "Not applicable" form in the space of the COP.

12.2 TYPICAL CONTENTS OF SAFETY FILE:

- Title and index cover page
- A copy of the PERMIT TO WORK.
- A copy of the MHSA Regulation 2.6.1 and -2.9.2 and SHE Rep appointment letters.
- A copy of Foscok COP 25, Service provider control.
- Baseline risk assessment of ALL and ANY POTENTIAL tasks that may be performed on site under this contract. See Foscok COP 26, Critical Task Descriptions for details.
- Copies of critical task descriptions and standard operating/maintenance procedures.
- Copies of the appointed service providers safety, health, environmental, HIV and AIDS, smoking and waste management policies.
- Training records of all on-site employees.
- Employee records of actual time worked (Normal and overtime).
- Copy of on-site induction training.
- Records of inspections of TMM (Trackless Mobile Machinery) and trailers. See Foscok COP 59, Trackless Mobile Machinery for details.
- Records of issues and inspections of PPE (Personal Protective Equipment) and safety equipment. See Foscok COP 65, Personal Protection Equipment for details.
- Records of issues and inspections of PEE (Portable Electrical Equipment). See Foscok COP 60, Portable electrical Equipment for details.
- Records of issues and inspections of tools and equipment. See Foscok COP 63, hand tools for details.
- Records of daily, weekly and monthly 2.6.1 / SHE Rep safety inspections. See Foscok COP 22, SHE Inspections for details.
- Records of daily green-area and safety talks. See Foscok COP 7, Communication for details.
- Any other documents, certificates or records as requested by a Foscok official deemed necessary to ensure that all safety, legislative and administrative requirements have been met.

Note:

The bidder / Service provider can obtain updated Foscok COP's and Engineering Specification on request.

12.3 REMINDER OF RISK IDENTIFICATION – LIFE SAVING RULES

- Risk Assessments and clearance certificates
- Lifting operations
- Working at heights
- Confined space entry
- Positive energy Isolation and lockout

- Moving Machinery
- Personal protective equipment

Risk assessment is applicable to all jobs and training apply to all that will do physical work!

13. PARAMETERS

13.1 DESIGN PARAMETERS

All plant and equipment will be designed to:

- Operate satisfactorily under atmospheric, ambient, and other conditions present at the site location.
- Ensure interchangeability of units and/or sub-parts throughout the plant to reduce spares holding requirements – take old plant equipment into account.
- Ensure reliability and maintainability. Minimum availability of 98% is required.
- Operate without undue vibration, stresses (temperature and built-in) and excessive noise.
- Comply with legal requirements in terms of the water license and Department of Waters Affairs.

13.2 SPECIFICATIONS, CODES, STANDARDS AND REGULATIONS

The latest edition of the South African National Standards in effect at the date of projects design shall establish the minimum requirements for design, materials, and construction. This should be referenced with the Foskor General Engineering specifications and requirements of the Fokor SHERQ system (COP's). No work shall be contemplated which is in breach of any legislation in South Africa – Typically but not limited to:

- Water License - 04/B72K/ACGIJ/962 Requirements
- Occupational Health and Safety Act (Act 85 of 1993)
- Mine Health and Safety Acts and regulations (Act 29 of 1996)
- Explosive Acts and Regulations - South Africa
- DWS and the National Water Act.
- Fokor COP's and applicable General SHEQ Requirements
- Fokor Engineering Specifications
- Chamber of Mines / Mine Council SHEQ Requirements (Milestones)
- Atmospheric Emissions Licence - 13/2/AEL-02 Requirements
- Private Security Industry Regulation (Act 56 Of 2001)
- The latest revisions of the SANS standardized specifications and Fokor Specifications as applicable at the time of quotation shall apply to this contract.

Compensation for Occupational Injuries and Diseases Act (COIDA)

Note! The equipment to be capable of continuous operation 24 hrs / day, 365 days / year with operating availability equal to 100%.

13.3 SITE GEOGRAPHY

The plant is located at Phalaborwa, Limpopo, South Africa

13.4 AMBIENT CONDITIONS

- Ambient temperature

Summer	35 °C Avg.	50 °C Max
Winter	17 °C Avg.	2 °C Min

- Site Altitude: 380 m
- Prevailing wind direction: Generally South Easterly - Maximum design velocity 40 m/s (144 km/h)
- Very dusty conditions
- Average annual rainfall = 540 mm

14. PROJECT MANAGEMENT – CONTRACTOR

- Foskor can appoint Project managers who shall be responsible for coordinating the Contractor's Scope of Work with Foskor and other Contractor(s) appointed by Foskor.
- Perform the works in accordance with the Foskor Safety regulation and procedure.
- Submit weekly work progress report to the Project manager as per the standard Foskor format.
- Provide reports and attend contractor meetings.
- Complete the works within the timeframe & as per Foskor specifications.
- All meetings will be held at Foskor, Phalaborwa offices only.
- All the site visits required for completing the job as per this scope of work will be to the account of the contractor.
- The contractor shall be responsible for coordinating and integrating his schedule and responsibilities with other Foskor appointed contractors on site for this scope of work.
- All contractors must submit duration and completion date with the tender.
- The contractor shall be able to prove all persons on site's competency (Trade certificate, training records, etc.)

15. LIAISON AND CO-OPERATION WITH OTHERS

- The CONTRACTOR/ SERVICE PROVIDER shall be required to co-operate and liaise with Foskor appointed Project Manager.

- The CONTRACTOR/ SERVICE PROVIDER must note that construction is within an operational plant.
- The CONTRACTOR/ SERVICE PROVIDER may appoint a Foskor approved sub-contractor.
- The CONTRACTOR/ SERVICE PROVIDER shall be required to work in conjunction with Foskor appointed structural, electrical, equipment and instrumentation installation contractor – if applicable.

16. GENERAL CONDITIONS – COMMERCIAL

16.1 EXTENSIONS, PENALTIES AND RETENTIONS

- Extension on the promised completion or milestone date may be requested but needs to be approved by Foskor. The contractor should be in possession of a formal document issued via Foskor Procurement indicating that this request was approved.
- **Any additional works not defined in the order needs to be approved by Foskor in writing before any work commence.**

Description	Condition	Duration
Penalties	1% per week attributable to contractor delays	Late Delivery after promised completion date
Retention	10% of Contract value	Release after 3 months - after project handover.
Type of Contract	Foskor General condition of contract	
Tender price validity	180 Calendar Days	
Escalation	Provide escalation approach	Provide escalation approach

- All delays must be immediately brought under the attention of the section Manager and the responsible party agreed upon immediately.

16.2 AFTER SALES SERVICE OR REQUIREMENTS

19.2.1 INVOICES DUE DATES

The due dates for claim certificate are the 12th of every month. Invoices are due the latest 17th of every month.

19.2.2 RETURNABLE DOCUMENTS

These are the documents that needs to be submitted with the tender:

- Tax Compliance certificates
- BBBEE certificates
- COIDA
- Procurement documentation as instructed

17. TENDER EVALUATION CRITERIA

- As part of the process to assist with the evaluation of the bidder's proposal/quotation and to make an informed decision in the awarding of this tender, the following information is required.
- The following tender evaluation criteria will be used for adjudicating the Contractor submitted tender.
- Please provide the required documentation as requested in the "Proof / documents to be submitted" column. Please be specific when submitting documents by ensuring that they answer the item specified.
- Please use the annexure number as indicated to identify the proof submitted.
- Failure to submit the relevant documentation as requested in the Evaluation criteria document may lead to a disregard of the submitted tender.

18. PRE-QUALIFICATION REQUIREMENTS

BID SUBMISSION NOT MEETING MANDATORY REQUIREMENT WILL RESULT IN THE BID BEING DISQUALIFIED

No	Mandatory Requirements	Comments
1.	Company – Supplier must be PSIRA accredited and in possession of a valid PSIRA certificate. MANDATORY Yes or No	Submit valid copy of PSIRA Certificate for the company
2.	Company - The Supplier must be the corporate member of SAIDSA (South African Intruder Detection Service Association). MANDATORY Yes or No	Submit valid copy of the Membership Certificate from SAIDSA

19. EVALUATION CRITERIA (TECHNICAL)

EVALUATION CRITERIA (TECHNICAL)														
SUPPLY AND INSTALL SECURITY CAMERAS AND ALARM SYSTEM TO MINIMIZE AND DETER CRIMINAL ACTIVITIES														
NO.	TECHNICAL CRITERIA DESCRIPTION	% CONTRIBUTION	PROOF / DOCUMENT TO BE SUBMITTED	NOTES										
1.	EXPERIENCE & TEAM COMPETENCE													
a)	Company – Previous experience in supplying and installing security technology, especially cameras and alarm system in and Industrial environment within the last 5 Years . At least five (5) years' experience. <table><tr><td>> R 15Million</td><td>30%</td></tr><tr><td>≤ R15M > R10m</td><td>20%</td></tr><tr><td>≤ R10m > R5m</td><td>10%</td></tr><tr><td>≤ R5m > R2m</td><td>5%</td></tr><tr><td>< R2m</td><td>0%</td></tr></table>	> R 15Million	30%	≤ R15M > R10m	20%	≤ R10m > R5m	10%	≤ R5m > R2m	5%	< R2m	0%	30%	Award / Confirmation letters from the companies indicating the type of work done, date and duration of the project, the value of the contract installing CCTV surveillance in an Industrial environment	<u>Annexure A</u>
> R 15Million	30%													
≤ R15M > R10m	20%													
≤ R10m > R5m	10%													
≤ R5m > R2m	5%													
< R2m	0%													
b)	Team – Project Manager's individual experience in the installation of cameras and alarm system. <table><tr><td>> 5 Years</td><td>30%</td></tr><tr><td>3 - 4 Years</td><td>20%</td></tr><tr><td>1 - 2 Years</td><td>10%</td></tr><tr><td><1 Year</td><td>5%</td></tr><tr><td>No relevant experience</td><td>0%</td></tr></table>	> 5 Years	30%	3 - 4 Years	20%	1 - 2 Years	10%	<1 Year	5%	No relevant experience	0%	30%	Submit CV indicating number of years the individual was involved with similar projects	<u>Annexure B</u>
> 5 Years	30%													
3 - 4 Years	20%													
1 - 2 Years	10%													
<1 Year	5%													
No relevant experience	0%													
c)	Team – CVs of dedicated team members with relevant technical training and expertise <table><tr><td>Project CV's submitted with experience in the relevant project installation of CCTV</td><td>5%</td></tr><tr><td>No project CV's submitted</td><td>0%</td></tr></table>	Project CV's submitted with experience in the relevant project installation of CCTV	5%	No project CV's submitted	0%	5%	Provide or submit team's CVs indicating their experience in the relevant project – installation of CCTV Cameras	<u>Annexure C</u>						
Project CV's submitted with experience in the relevant project installation of CCTV	5%													
No project CV's submitted	0%													
d)	Project execution timelines from date of receipt of order to commissioning and handover to the client. Including, but not limited to project initiation, procurement of material, on-site installation, testing and commissioning and handover <table><tr><td>< 2months</td><td>20%</td></tr><tr><td>≥ 2 months ≤ 3 months</td><td>14%</td></tr><tr><td>> 3months ≤ 4 months</td><td>7%</td></tr><tr><td>> 4 months</td><td>0%</td></tr></table>	< 2months	20%	≥ 2 months ≤ 3 months	14%	> 3months ≤ 4 months	7%	> 4 months	0%	20%	Level 2 Project Schedule / GANTT Charts	<u>Annexure D</u>		
< 2months	20%													
≥ 2 months ≤ 3 months	14%													
> 3months ≤ 4 months	7%													
> 4 months	0%													
e)	Work Method Statement <table><tr><td>No method statement</td><td>0%</td></tr><tr><td>Submitted but not signed off</td><td>10%</td></tr><tr><td>Signed off method statement from a</td><td></td></tr></table>	No method statement	0%	Submitted but not signed off	10%	Signed off method statement from a		15%		<u>Annexure E</u>				
No method statement	0%													
Submitted but not signed off	10%													
Signed off method statement from a														

EVALUATION CRITERIA (TECHNICAL)				
SUPPLY AND INSTALL SECURITY CAMERAS AND ALARM SYSTEM TO MINIMIZE AND DETER CRIMINAL ACTIVITIES				
NO.	TECHNICAL CRITERIA DESCRIPTION	% CONTRIBUTION	PROOF / DOCUMENT TO BE SUBMITTED	NOTES
	similar project 15%			
	TOTAL TECHNICAL SCORE	100.00%		
	Note: For the bid to be considered the bidder needs to score 70% and above and comply to all mandatory requirements.			

20. SCHEDULE OF QUANTITIES

Note! - Foskor will only pay for material delivered to Foskor site and for work completed on Foskor site as indicated in the BOQ. Payment will only be done for BOQ lines executed.

A. SUPPLY INSTALLATION COMMISSIONING OF CCTV SURVEILLANCE SYSTEM EQUIPMENT

Item	Qty	Price Each	Total Price
Weirs x 18			
Install Bullet Cameras 70m IR	54		
Install Thermal Cameras 10mm	18		
8 PORT POE Switches Industrial	18		
Install Cabinet and Equipment	18		
Install Inverter with Batteries	18		
PVC I Pipe	360		
Installing Pipe	360		
Cat 5 FTP UV	2		
Sundries	1		
Edge AI 4-Channel Video Verification Device	18		
Industrial LTE Router Dual Sim	18		
TOTAL			
Substation			
Install Bullet Cameras 70m IR	4		
Install Thermal Cameras 25mm	2		
8 PORT POE Switches Industrial	1		
Install Cabinet and Equipment	1		
Install Inverter with Batteries	1		
PVC Pipe	250		
Installing Pipe	250		

Cat 5 FTP UV	2		
Sundries	1		
Edge AI 8-Channel Video Verification Device	1		
Industrial LTE Router Dual Sim	1		
TOTAL			
Maingate			
Install Bullet Cameras 60m IR	4		
Install ANPR Cameras	6		
8 PORT POE Switches Industrial	2		
Install Cabinet and Equipment	1		
Install Inverter with Batteries	1		
PVC Pipe	80		
Installing Pipe	80		
Cat 5 FTP UV	1		
Sundries	1		
TOTAL			
Conveyer 1			
Instal Thermal Cameras 35mm	2		
5 PORT POE Switches Industrial	1		
Install Cabinet and Equipment	1		
Install Inverter with Batteries	1		
Bosal Pipe	20		
Installing Pipe	80		
Cat 5 FTP UV	1		
Sundries	1		
Edge AI 4-Channel Video Verification Device	1		
Air Fiber to High Site	1		
TOTAL			
Conveyer 2			
Install Bullet Cameras 60m IR	4		
Instal Thermal Cameras 35mm	2		
8 PORT POE Switches Industrial	1		
Install Cabinet and Equipment	1		
Install Inverter with Batteries	1		
Bosal Pipe	8		
Installing Pipe	40		
Cat 5 FTP UV	1		
Sundries	1		

Edge AI 4-Channel Video Verification Device	1		
Air Fiber to High Site	1		
TOTAL			
Conveyer 3			
Install Bullet Cameras 60m IR	4		
Instal Thermal Cameras 50mm	1		
85PORT POE Switches Industrial	1		
Install Cabinet and Equipment	1		
Install Inverter with Batteries	1		
Bosal Pipe	50		
Installing Pipe	200		
Cat 5 FTP UV	1		
Sundries	1		
Edge AI 4-Channel Video Verification Device	1		
Air Fiber to High Site	1		
TOTAL			
Secondary Crusher			
Install Bullet Cameras 60m IR	8		
Instal Thermal Cameras 35mm	1		
8 PORT POE Switches Industrial	2		
Install Cabinet and Equipment	1		
Install Inverter with Batteries	1		
Bosal Pipe	62		
Installing Pipe	250		
Trenching	45		
Cat 5 FTP UV	1		
Sundries	1		
Edge AI 10-Channel Video Verification Device	1		
Air Fiber to High Site	1		
TOTAL			
Cable Rack Main Road			
Instal Thermal Cameras 35mm	4		
8 PORT POE Switches Industrial	2		
Install Cabinet and Equipment	2		
Install Inverter with Batteries	2		
Bosal Pipe	75		
Installing Pipe	300		
6m Pole Galvanised	4		

Installing Poles	4		
Trenching	130		
Cat 5 FTP UV	1		
Sundries	1		
Edge AI 4-Channel Video Verification Device	1		
Air Fiber to High Site	1		
TOTAL			
Mining Workshop			
Instal Thermal Cameras 10mm	12		
8 PORT POE Switches Industrial	4		
Install Cabinet and Equipment	4		
Install Inverter with Batteries	4		
Bosal Pipe	100		
Installing Pipe	100		
6m Pole Galvanised	12		
Installing Poles	12		
Trenching	900		
25mm PVC Pipe	900		
Cat 5 FTP UV	3		
Sundries	1		
Edge AI 16-Channel Video Verification Device	1		
Air Fiber to High Site	1		
TOTAL			
Mining Boom Entry (Gate 6)			
Install Bullet Cameras 60m IR	2		
8 PORT POE Switches Industrial	1		
Install Cabinet and Equipment	1		
Install Inverter with Batteries	1		
Bosal Pipe	10		
Installing Pipe	40		
Cat 5 FTP UV	1		
Sundries	1		
Tier 1 VMS Analytics	2		
Air Fiber to High Site	1		
TOTAL			
New Generators			
Install Bullet Cameras 60m IR	2		
Cabinet with power and fans	1		

8 PORT POE Switches Industrial	1		
Install Cabinet and Equipment	1		
Install Inverter with Batteries	1		
Bosal Pipe	40		
Installing Pipe	160		
Cat 5 FTP UV	2		
Sundries	1		
Edge AI 4-Channel Video Verification Device	1		
Air Fiber to High Site	1		
TOTAL			
South Pit 1			
Install PTZ camera 45 x Zoom	1		
8 PORT POE Switches Industrial	1		
Install Cabinet and Equipment	1		
Install Inverter with Batteries & Solar	1		
6m Pole Galvanised with solar Bracket	1		
Installing Poles	1		
Cat 5 FTP UV	1		
Sundries	1		
Tier 1 VMS Analytics	1		
Air Fiber to High Site	1		
TOTAL			
South Pit 2			
Install PTZ camera 45 x Zoom	1		
8 PORT POE Switches Industrial	1		
Install Cabinet and Equipment	1		
Install Inverter with Batteries & Solar	1		
6m Pole Galvanised with Solar Bracket	1		
Installing Poles	1		
Cat 5 FTP UV	1		
Sundries	1		
Tier 1 VMS Analytics	1		
Air Fiber to High Site	1		
TOTAL			
Plant Substation			
Install Bullet Cameras 60m IR	10		
8 PORT POE Switches Industrial	2		
Install Cabinet and Equipment	1		

Install Inverter with Batteries	1		
6m Pole Galvanised	1		
Installing Poles	1		
Bosal Pipe	30		
Installing Pipe	120		
Cat 5 FTP UV	1		
Sundries	1		
Edge AI 4-Channel Video Verification Device	1		
Industrial Dual Sim LTE Router	1		
TOTAL			
Moshate House			
Install Bullet Cameras 60m IR	10		
8 PORT POE Switches Industrial	3		
Install Cabinet and Equipment	3		
Install Inverter with Batteries	3		
6m Pole Galvanised	5		
Installing Poles	5		
50mm Pipe	200		
Installing Pipe	200		
8 Core Fiber	220		
Installation 8 Core Fiber	220		
SFP	2		
Midcoupler LC-LC	4		
Pigtails lc	8		
Glands	4		
Fiber Patch leads LC-LC	2		
Splicing enclosure 8 fibre	2		
Splices	8		
Trenching	200		
Cat 5 FTP UV	2		
Sundries	1		
Tier 1 VMS Analytics	10		
Air Fiber to High Site	1		
TOTAL			
Extension 8			
Instal Thermal Cameras 10 mm	12		
8 PORT POE Switches Industrial	3		
Install Cabinet and Equipment	3		

Install Inverter with Batteries	3		
25mm PVC Pipe	200		
Installing Pipe	200		
6m Pole Galvanised with Solar Bracket	4		
Installing Poles	4		
Trenching	800		
50MM PIPI PVC	800		
Cat 5 FTP UV	2		
8 Core Fiber	800		
Installation 8 Core Fiber	800		
SFP	8		
Midcoupler LC-LC	8		
Pigtails lc	16		
Glands	8		
Fiber Patch leads LC-LC	8		
Splicing enclosure 8 fibre	4		
Splices	16		
Sundries	1		
Tier 1 VMS Analytics	12		
Air Fiber to High Site	1		
TOTAL			
RMU Transformers x 5 sites			
Install Bullet Cameras 60m IR	15		
5 PORT POE Switches Industrial	5		
Install Cabinet and Equipment	5		
Install Inverter with Batteries	5		
Bosal Pipe	20		
Installing Pipe	50		
Cat 5 FTP UV	1		
Sundries	1		
Edge AI 4-Channel Video Verification Device	1		
Air Fiber to High Site	1		
TOTAL			
Tailings Pump Station			
Install Bullet Cameras 60 m IR	8		
8 PORT POE Switches Industrial	2		
Install Cabinet and Equipment	2		
Install Inverter with Batteries	2		

8 Core Fiber	150		
Installation 8 Core Fiber	150		
SFP	2		
Midcoupler LC-LC	4		
Pigtails lc	8		
Glands	4		
Fiber Patch leads LC-LC	2		
Splicing enclosure 8 fibre	2		
Splices	8		
Bosal Pipe	38		
Installing Pipe	150		
Cat 5 FTP UV	1		
Sundries	1		
Edge AI 8-Channel Video Verification Device	1		
Air Fiber to High Site	1		
TOTAL			
Viewpoint Entrance			
Install Bullet Cameras 60m IR	1		
Install ANPR Cameras	1		
5 PORT POE Switches Industrial	1		
Install Cabinet and Equipment	1		
Install Inverter with Batteries	1		
Cat 5 FTP UV	1		
Sundries	1		
Tier 1 VMS Analytics	1		
Air Fiber to High Site	1		
TOTAL			
Finished Product			
Install Thermal camera 25mm IR	4		
5 PORT POE Switches Industrial	4		
Install Cabinet and Equipment	4		
Install Inverter with Batteries	4		
6m Pole Galvanised	4		
Installing Poles	4		
25mm PVC Pipe	350		
Installing Pipe	350		
8 Core Fiber	350		
Installation 8 Core Fiber	350		

SFP	2		
Midcoupler LC-LC	4		
Pigtails lc	8		
Glands	4		
Fiber Patch leads LC-LC	2		
Splicing enclosure 8 fibre	2		
Splices	8		
Cat 5 FTP UV	1		
Sundries	1		
Edge AI 4-Channel Video Verification Device	1		
Air Fiber to High Site	1		
TOTAL			
Intersection Magnetite			
Install PTZ camera 45 x Zoom	1		
Install ANPR Cameras	1		
5 PORT POE Switches Industrial	1		
Install Cabinet and Equipment	1		
Install Inverter with Batteries & Solar	1		
6m Pole Galvanised	1		
Installing Poles	1		
Sundries	1		
Tier 1 VMS Analytics	1		
Air Fiber to High Site	1		
TOTAL			
Intersection Boom 4 way			
Install PTZ camera 45 x Zoom	1		
Install ANPR Cameras	1		
5 PORT POE Switches Industrial	1		
Install Cabinet and Equipmet	1		
Install Inverter with Batteries & Solar	1		
6m Pole Galvanised	1		
Installing Poles	1		
Sundries	1		
Tier 1 VMS Analytics	1		
Air Fiber to High Site	1		
TOTAL			
Railway			
4Mp Bullet Camera	4		

Instal Thermal Cameras 35mm	28		
5 PORT POE Switches Industrial	28		
Install Cabinet and Equipment	28		
Install Inverter with Batteries	28		
6m Pole Galvanised with Solar Bracket	28		
Installing Poles	28		
Wooden Poles Planted	90		
48 Core Fiber	6500		
Installation 48 Core Fiber	6500		
Install and setup wireless Air Fiber	1		
24 Port Aggregation SFP Switch	2		
SFP	56		
Midcoupler LC-LC	56		
Pigtails lc	112		
Glands	56		
Fiber Patch leads LC-LC	56		
Fiber Patch Panels	2		
Splicing enclosure 48 fiber Outdoor	28		
Splices	210		
Cat 5 FTP UV	1		
Sundries	1		
Tier 1 VMS Analytics	28		
Air Fiber to High Site	1		
TOTAL			
High Site			
Install PTZ camera 45 x Zoom	2		
5PORT POE Switches Industrial	1		
Install Cabinet and Equipment	1		
Install Inverter with Batteries	1		
Sundries	1		
TOTAL			
Gate 4			
4Mp Bullet Camera	3		
ANPR Camera	1		
8 Port POE Industrial POE Switch	1		
Inverter with Battery Backup	11		
Air fibre link to High Site	1		
Install Cabinet & Equipment	1		

Tier1 VMS analytics	4		
Gate 7			
4Mp Bullet Camera	1		
ANPR Camera	1		
4Port POE Industrial POE Switch	1		
Inverter with Battery Backup	1		
Air fibre link to High Site	1		
Install Cabinet & Equipment	1		
Tier1 VMS analytics	2		
Gate 9			
4Mp Bullet Camera	1		
ANPR Camera	1		
4Port POE Industrial POE Switch	1		
Inverter with Battery Backup	1		
Air fibre link to High Site	1		
Install Cabinet & Equipment	1		
Tier1 VMS analytics	2		
Gate 10			
4Mp Bullet Camera	3		
ANPR Camera	1		
8Port POE Industrial POE Switch	1		
Inverter with Battery Backup	1		
Air fibre to High Site	1		
Install Cabinet & Equipment	2		
Tier1 VMS analytics	4		
Control Room			
42 U Cabinet	1		
24 Port Core Switch	2		
Install and setup wireless Air Fibre to High Site	1		
Install Cabinet & equipment	1		
Install and setup server Room Equipment	1		
Sundries	1		
i9Server with GPU (60days Archive)	2		
Tier 1 VMS Camera Licenses	76		
55" Screens	4		
32" Workstation Screens	4		
Client Workstation	2		
Tier 1 PSIM Platform	1		

TOTAL			
P&G`s			
P&G Medicals, Safety Induction	Sum		
Site Establishment	Sum		
Contractor Personnel Training	Sum		
Living out 4 Technicians 120 days	1		
Equipment Rental	1		
Project Management	1		
Delivery Poles and stock	1		
Travelling	Sum		
TOTAL			

B. PREVENTATIVE MAINTENANCE

Item	Qty	Price Each	Total Price
Monthly Preventative Maintenance (commencing from 1 year 2 after commissioning)	<u>24</u>		
Remedial maintenance callouts	1		

*** Spares holding provision for non -warranty repairs of 15% of the Capital Investment.

Note - please ensure all your scope has been allocated this Pricing Schedule

All price alterations must be signed for by the bidder confirming that such changes were made by the Bidder. **PLEASE NOTE THAT PRICE CHANGES WITHOUT A SIGNATURE WILL LEAD TO THE DISQUALIFICATION OF THE BID SUBMITTED.**

NOTE: The onus lies with the tenderer to make sure that all formulas and calculations are correct. Calculation errors discovered during the evaluation process will be logged as a non-conformance and the tender/quotation will therefore be disregarded.