

Spills Ponds PMC Hauling Infrastructure –Supply and Installation of Streetlights and Power supply to boom gates, containers

SPILLS PONDS PMC HAULING INFRASTRUCTURE –SUPPLY AND INSTALLATION OF STREETLIGHTS AND POWER SUPPLY TO BOOM GATES, CONTAINERS SCOPE OF WORKS PRESENTED TO BID SPECIFICATION COMMITTEE

BID SPECIFICATION COMMITTEE (BSC)

12 August 2025 11:00 to 13:00

BSC Comments:

Comment captured/ pending

- On TEV- change the word “Short” as is subjective.
- Scope was supported by the BSC Committee on 12 August 2025

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SCOPE OF WORK

Description: Spills Ponds PMC Hauling Infrastructure –Supply and Installation of Streetlights and Power supply to boom gates and containers.

1. PRE-QUALIFICATION

- Company should have a CIDB Rating of 3 EB/EP or higher.

2. INVITATION TO TENDER

Foskor (PTY) Ltd. invites you to submit a tender for the procurement or Supply, install and commission of Streetlights and Power supply to boom gates, containers. This document describes all the required work for the project.

2.1 DEFINITIONS AND ABBREVIATIONS

BOQ	–	Bill of Quantities	MHSA	–	Mine Health and Safety Act
BRA	–	Baseline Risk Assessment	NDT	–	Non-destructive Test
COC	–	Certificate of Compliance	OH&S	–	Occupational Health and Safety
COP	–	Code of Practice	OHC	–	Over-Head Crane
CTD	–	Critical task Descriptions	PEE	–	Portable Electrical Equipment
DAP	–	Diammonium Phosphate	PPE	–	Personal Protective Equipment
DB	–	Distribution Boards	QA	–	Quality Assurance
DWA	–	Department of water affairs	QC	–	Quality Control
DWG	–	Drawing	QCP	–	Quality control Plan
ECO	–	Engineering Change Order	QMS	–	Quality Management System
HDG	–	Hot-Dip galvanizing	RFI	–	Request for Inspection
HIRA	–	Hazard Identification and Risk Assessment	ROPS	–	Rollover Protection System
IFC	–	Issued for Construction	SANS	–	South African National Standards
ISO	–	International Organization of Standardization	SHE	–	Safety, Health, Environment
LDV	–	Light Delivery Vehicle	SHERQ	–	Safety Health Environment Risk & Quality
MAP	–	Monoammonium phosphate	TMMS	–	Trackless Mobile Machines
MCOP	–	Mandator Code of Practice	WBS	–	Work-breakdown structure.

1.3 SCOPE BACKGROUND

Foskor is tasked to provide Infrastructure to assist magnetite that will be hauled from PMC to Foskor Tailings area. You are requested to supply and install power supply (electrical) that will supply 2 boom gates, lighting at the South Pit, as well as a high mast light.

1.4 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 a phosphate concentrate at Phalaborwa, in the Limpopo Province of South Africa. The phosphate concentrate is sold locally and also 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 to 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.

2. SCOPE OF WORK

2.1 BACKGROUND DOCUMENTATION

None

2.2 CONSIDERATIONS

2.2.1 **General Scope Considerations:**

The Scope of Work for the Supply, Installation and Commissioning of the boom gates, as well as the Time and Attendance clocking system. These includes provision of resources, labour, services and material, project management, QA/QC management, engineering, design, procurement, manufacture, crating/transport/offloading/storage of equipment, assembly, fabrication, installation, erection, application of corrosion protection, commissioning, performance testing, and hand-over of all supplied equipment including but limited to:

- Allowance for a competent Project Manager,
- Engineers for all applicable disciplines,
- Site Manager and Supervisor/s,
- Quality Assurance/Control Officer,
- Safety Officer and Safety Representative/s,
- Project Planner,
- Administration, etc.

The above-mentioned services which are not exhaustive to the list provided are required to ensure effective project management, engineering, site management, safety management, compilation and management of the contractor's quality control and management plans, compilation of method statements, risk assessments, project plans, and other project support services that will require continuous reporting on a daily, weekly, and

monthly basis. It is expected that all these services will be allowed for in contractor's Tender costing. If the contractor cannot execute any of these services to the detrimental of the project, it will be expected that the contractor obtains such services at his/her cost.

Scaffolding will be free issued by Foskor. However, the use on-site of Scaffolding needs to be arranged by the contractor. It is expected that arrangements will be communicated to the Foskor appointed Scaffolding company at least 3 days before requirement. Proof of request and arrangements and actual scaffolding installation for Scaffolding to be provided to Foskor on request.

2.2.2 Project costing and expenses

The Contractor shall submit Turnkey cost structure for all engineering services, management services, materials, equipment, labour, transport, supervision, consumable materials, equipment, tools and each item of expense in order for the scope of work to be completed successfully unless otherwise stated and declared in the Tender submission in a breakdown format provided below.

2.2.3 Disposal of refuse / Environmental

The Contractor shall be responsible for daily disposal of refuse and waste generated by the contractor personnel on site or in a laydown area. The site is to be kept clean, neat, and tidy, by complying to Foskor Waste Management Code of Practice (COP).

2.2.4 General requirements for commissioning

Commissioning or handover will be executed as per Foskor Procedures or as directed by the Engineer. Normally the Foskor Punch list and Hand over certificate will be used.

2.2.5 Scope Specific statutory and legislative requirements Legislative requirements

The successful service provider shall ensure that all work is carried out in accordance with the following specifications and requirements.

The successful or appointed service provider shall comply with:

- i. Designers affiliated, ECSA.
- ii. MHSA
- iii. SANS

2.2.6 Critical Task Description

The successful or appointed service provider shall comply with the latest revisions of the following Foskor CTD's (Critical task Descriptions). (CTD's are available on request):

See Foskor Life Saving Rules

2.2.7 Quality

See Quality requirements – Quality File index further down in the document.

2.2.8 Project Site Management - focus areas

These focus areas will be done by the Foskor project team in conjunction with relevant Foskor COP's and procedures. Any non-conformance will be treated as a serious matter and tasks will be stopped until corrective action has been implemented.

Please ensure the aspect below are considered when costing, planning and executing a project on Foskor site.

1. HIRA

- HIRA to be done.
- All Persons trained and authorised in HIRA.
- HIRA Relevant and Mitigation actions clear and documented.
- HIRA available at workers on site
- All workers participated in HIRA

2. TMMS

- TMM inspection done in available in TMM
- Driver authorised for the specific TMM
- TMM clean (No scrap yard on the back of the LDV)

3. COMMUNICATION

- Proper communication on site regarding activities
- Who is in charge of what activities – documented and discussed
- Who coordinate when required (Rigging, different teams, Top vs Bottom, interlinking tasks, etc) Documented and discussed.
- Who do what (Ensure persons are competent for specific task) Does the team know what they are responsible for and what they must achieve
- Safe work procedures, task steps are communicated, and all is informed

4. BARRICADING - in conjunction with Housekeeping

- Are relevant places barricaded
- Storage areas barricaded and indicated
- Waste or scrap area barricaded and indicated
- Unsafe places barricaded
- Use fixed barricading when dealing with heights or other identified high risks
- Use scaffolding barricading on last resort

5. TOOLS

- All tools inspected and on register
- Not inspected tools and defect tools to be treated as a very serious matter as this indicates the 2.9.2 and 2.6.1 competence to ensure a safe environment for their workers and corrective measure will be taken

- Correct tools for the task
- Rigging equipment inspected and correctly marked

Confined space - Must have a meter that is calibrated – Certificate available

6. PPE

- All persons to wear correct PPE for the task -

7. HOUSEKEEPING - in conjunction with Barricading

- Keep the site clean.
- Every day or shift must have at least a dedicated cleaning/barricading time of 30min. All to participate
- Site to be clean when work complete – invoice will not be processed.

8. SUPERVISION (2.9.2 appointment and 2.6.1 appointment)

- Keep the site clean.
- Make sure hazards are continuously identified and proper steps taken to correct or mitigate
- Ensure tools and equipment are maintained, inspected and operated by competent and authorised workers
- Ensure correct PPE is used by workers and in a good condition.
- Coordinate activities on site.
- Understand the risks of the site or tasks.
- Understand the method statement.
- Understand the risk of the site.
- Understand the project schedule and milestone dates.
- Know what was tendered for in the BOQ (Scope of task). BOQ forms basis of method statement and risk mitigation
- For shutdown tasks or where shifts will be working a full time 2.9.2 appointee will be on site. The 2.6.1 appointee shall visit all shifts to support the 2.9.2 appointee, Site attendance shall be verified via clocking times. 2.9.2 appointee shall not be shared with any other work – ONLY 8 HOUR SHIFTS IF THE PLAN IS MORE THAN 2 DAYS.

NOTE See duties of the supervisor/2.9.2 in the MHSA. If the supervisor/2.9.2 is a worker (Handling Tools or working with tools) then additional supervision /2.9.2 appointee needs to be provided. If he is working, he cannot be responsible for the site and ensure worker safety and a safe environment. Supervisors will not be allowed to do tool work.

9. PROGRESS REPORT

Projects - A Progress report needs to be submitted weekly of every second week to the respective project engineer or project leader. This will form the basis for Invoice certificates and Invoice approvals in conjunction with the relevant Bill of Quantities. No invoice shall be approved without the BOQ and relevant supporting documentation.

PROGRESS REPORT INDEX

1. SHREQ
 - Safety issues, Environmental, etc
2. Compliment
 - Trades, Qty, Hours, etc
3. Progress
 - planned versus actual.
 - Activities completed or milestones.
4. Activities
 - Task completed, milestones.
 - Technical issues
 - Quality
5. Drawings
 - Drawing issued.
 - Drawing issues
6. General
7. Photos of site and progress

2.2.9. SUB-CONTRACTING AND JOINT VENTURES

The primary aspect of the works may not be subcontracted. For subcontracting the relevant companies supporting documentation needs to support the bidder's tender.

NB: Joint Ventures must be declared in the bidder's tender with all relevant supporting documentation.

The Main Contractor must pass the technical evaluation criteria.

2.3 SCOPE OF WORK – SUPPLY AND INSTALLATION OF STREETLIGHTS AND POWER SUPPLY TO BOOM GATES, CONTAINERS AND LIGHTS

2.3.1 Detail of Requirements

Basic Requirement

This work entails the Supply and Installation of Streetlights and Power supply to boom gates, containers.

- Obtain work permit
- All work includes all tools, labour, equipment, Transport, Supervision, Quality management, Project communication and management, etc

The work of this project covers the supply (with all the required cabling), manufacture, transport to Foskop mine in Phalaborwa, installation, testing, and commissioning of the complete electrical requirements as indicated below. The Contractor will also supply the COC as well as the Earthing and lightning protection certificates for the installations.

South Pit Haul Truck Parking:

1. Supply and install 13 x poles prewired and 13 x LED streetlights (55 W/60 W) to be installed at Dump Truck parking at South pit.
2. Supply and Install 1x 20M high mast pole prewired, accompanied by 9 x 200 W LED lights.
3. Supply and install 700m worth of cabling to connect all the lights to the DB which is on site.

South Pit Gate 9:

1. Supply and install 3 x poles prewired and 3 x LED streetlights (55 W/60 W) to be installed at South pit gate 9.
2. Supply and Install 100m worth of cabling to connect all the lights to the DB which is on site.
3. Supply a connection point from the DB on site to the Container which will be placed there.

Tailings Area

1. Supply and install 4 x poles prewired and 4 x LED streetlights (55 W/60 W) to be installed at South pit gate 9
2. Supply and Install 300m worth of cabling to connect all the lights to the DB which you will be providing. Cabling will be needed to also connect from the substation to DB.
3. Supply and install small power Distribution Board that will carry the load for the lights, clocking installation, as well as the container which will be put on site (Container will have sockets and aircon). The DB should be square key lockable, designed with mild steel and canopy for indoor installations. DB to comply with section 23 of the Foskop GE-1 Rev 8 Specification as well as Specification EE12REV2.

3. PROJECT URGENCY

Project urgency is defined below:

The supplier needs to submit reasonable preliminary schedule for the project.

4. DELIVERY OF MATERIALS AND EQUIPMENT

It is the responsibility of the Contractor to take delivery, off-load, all equipment and materials covered under this Scope unless otherwise stated. The Contractor shall, at his own expense, be responsible for the delivery to the Site of imported plant and equipment, materials and Contractor's plant and equipment in connection with the execution of the Scope, including but not limited to securing of permits and customs clearances, and payment of handling costs, storage costs, releasing costs, transportation costs, and duties, taxes, imposts, excise and charges of any kind that may be imposed by the South African Government, or any of its agencies and political subdivisions relating to the supply and delivery to the site of the imported plant and equipment, materials and Contractor's plant and equipment.

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

5. BATTERY LIMITS – INCLUSIONS AND EXCLUSIONS

5.1 TABLE OF INCLUSIONS AND EXCLUSIONS

List the boundaries in terms of equipment (Foskor plant specific). Up to where is it Foskor's responsibility and where/what is the contractor's responsibility.

WHO WILL SUPPLY THE FOLLOWING?													
FF = FOSKOR, FREE OF CHARGE				FC = FOSKOR, AT COST TO CONTRACTOR				C = CONTRACTOR				N/A = NOT APPLICABLE	
1. Sanitary		2. Transport		3. Quality		4. Security		5. Lifting and Rigging		6. Medicals		7. Communication devices	
1.1 Water on site and toilet facilities / janitorial services	FF /C	2.1 Labour	C	3.1 Plan, Management, QA, QC	C	4.1 Site Security	C	5.1 All rigging equipment (Slings, Chain blocks, turners, etc	C	8.1 Entry and Exit	C	7.1 All communication devices like laptops, computers, networks, radios, cellphones, etc.	C
1.2 Potable connection point	C	2.2 Materials	C	3.2 All quality test Civil, Paint, Mechanical, etc	C	4.2 Foskor ID Card	C	5.2 Rigger	C	8.2 First aid box at place of work	C		
1.3 Connection to construction water supply	C	2.3 Equipment	C	3.3 Sampling and laboratory testing	C	4.3 Personal Items	C	5.3 Mobile cranes	C				
1.4 Change rooms	C	2.4 All TMMS	C										
8. PPE		9. Surveying		10. Safety File		11. Training & Authorizations		12. Site Establishment		13. Waste management		14. Painting	
8.1 Supply, Issue, inspect and manage	C	9.1 Site Surveys	C	10.1 Foskor will issue template	FF	11.1 All Required Training	C	13.1 Site office/s with suitable facilities for daily “Green Area” meetings, and lunch area	C	13.1 Transport all on site to waste to Foskor designated waste sites	C	14.1 All Equipment and tools paint, labour, etc	C
				10.2 Ensure file conform/ populate to Foskor standards	C	11.2 Authorisation - As per Foskor COP	FF	13.2 Site establishment space	FF				
15. Fuel		16. Mechanical		17. Labour		18. Compressed air		19. Scaffolding		20. Tools & Equipment		21. Training	
15.1 Fuel Supply	C			17.1 All labour as per Scope of Work to execute task including management	C	18.1 Sandblasting or flash blast	C	19.1 Scaffolding Supply & Erect	C	20.1 All Portable Electrical Equipment	C	21.1 All required training and training manuals as required to ensure that Foskor can train its workforce and operate the plant / equipment safely	C
15.2 Fuel storage	C					18.2 Compressor	C	19.2 Scaffolds be managed by the Contractor	C	20.2 Hot Work Equip as per Foskor COP - Welding Machines, Gas Cutting, Grinding, Gauging, etc	C		
15.3 Fuel fire protection	C					18.3 Air for power tools - If available	C	19.3 Cherry Picker’s – only if available by pre-booking	FF	20.3 Tools as required to execute task	C	21.2 All manuals and related documents to be supplied to project Eng. and Foskor Drawing office for safe keeping	C
15.4 Refuelling	C							19.4 Cherry Picker’s Driver– Trained and authorized driver	C				
22. Certificates		23. Consumables		24. Storage and inventory control		25. Electrical							
22.1 Supply All regulatory and other certificates as required	C	23.1 Welding rods	C	24.1 Protective coverings/tarpaulins	C	25.1 Generators	C	25.4 Temporary lighting	C	25.7 Electric panel + distributing wiring	C		
		23.2 Bolts & Nuts, etc.	C	24.2 Storage area and inventory control	C	25.2 Electrical Extensions	C	25.5 Power for tools on site from existing Foskor electrical supply point (Welding plugs and 220 v plugs	C	25.5 Electrical connection point	FF		
						25.3 COC Site Establishment	C	25.6 Connection to Electrical supply	C	25.9 Electrical and Instrumentation Installation	C		

5.2 REMINDER OF RISK IDENTIFICATION – LIFE SAVING RULES

1. Risk Assessments and clearance certificates.
2. Lifting operations
3. Working at heights
4. Confined space entry
5. Positive energy Isolation and lockout
6. Moving Machinery
7. Personal protective equipment

6. QUALITY

- i. The service provider must provide the necessary quality management systems and plans to ensure that the quality of his work complies with the requirements of this scope of work.
- ii. The service provider shall be responsible for all the resources required for executing the Quality Management System including but not limited to, developing the Quality Assurance Plan & performing the Quality Control measures to ensure that the deliverables comply with the specifications & standards mentioned in the scope of work.
- iii. Any change requests / additional work resulting due to inadequate quality management system will be to the account of the service provider.
- iv. Foskop might appoint a third party for Quality Control Inspections
- v. This will include the following but is not limited to:
 - a. Quality plan
 - b. Quality compliance – Performance and reports
 - c. Quality Assurance
 - d. Quality control
 - e. Quality administration. – All documents, checks, measurements, reports, variances, analysis, Corrective actions, etc. needs to be properly filed and available on request at any time. The file will require an index.
 - f. Includes all test work, laboratories, Filing, etc.
- vi. Foskop may appoint a third party to measure and control Foskop's interest in the terms of quality in this contract and the service provider is expected to work in conjunction with this company.

7. DATA BOOKS

During the official handover, the service provider shall submit a detailed DATA BOOK that shall contain the following documents and information:

- a) All certificates, quality documents and records to be cross-referenced for purposes of traceability.

NB! ALL CERTIFICATES AND DOCUMENTS MUST BE CROSS-REFERENCED

8. PROJECT DELIVERABLES

8.1 THE DELIVERABLES FOR THIS PROJECT INCLUDE:

- Installed clocking system and turnstiles at both Entrances at Moshate.

9. MANUALS AND DOCUMENTATION

The following must be supplied:

- Commissioning and handover documents.

9.1 FORMAT OF DOCUMENTS AND MANUALS

Note! - All Manuals must be in English

Hard Copy: Book or binding arch file format and must be durable and of high quality.

Soft Copy: Manuals, Reports and Data Books – Word, Excel, PDF, etc.

Storage – Compact Disk or Data traveller

Language: English

10. DOCUMENTS / DRAWINGS ISSUED BY FOSKOR

Drawing or Document No	Title	Revision
Note	Please read your Scope of Work	

11. LEGISLATIVE REQUIREMENTS – SUMMARY

11.1 MINIMUM LEGISLATIVE REQUIREMENTS:

The successful or appointed service provider shall comply with:

- The Mines Health and Safety Act with Regulations (Latest revision) - Where applicable
- The National Road Traffic Act with Regulations (Latest revision) Where applicable
- All applicable national and international legislative requirements and regulations.

12. SAFETY

OBTAINING A WORK PERMIT – TYPICAL STEPS

Typical Step	Activity	Completed	Foskor 2.6.1 Signature
1	Obtain Order – procurement to Sign work permit		
2	Obtain Work Permit from Safety		
3	Do Method Statement – Sign off by Foskor 2.6.1 Tools, Equip and people – List all major pieces of equipment, Tools, TMM's		
4	List Subcontractors in Work permit		
5	Baseline Risk Assessment <ul style="list-style-type: none"> • Execute Baseline Risk Assessment – Signed Off by Foskor 2.6.1. • Define and Document supervision requirements -based on Baseline Risk • Verification of ROPS and TMM requirements 		
6	Verify letter of Good Standing Main contractor and subcontractors		
7	Verify Main contractor and subcontractor Letter of good standing		
8	List all workers on yellow and blue form from Work Permit		
9	Execute Medicals at Clinic		
10	Do induction at Security		
11	Compile critical tasks All to participate - Sign off by Foskor 2.6.1		
	Execute training and ensure BHS, First Aid and HIRA – Sign off at Johan at Training Centre		
12	Compile contractor organogram		
13	Compile Training matrix		
15	Foskor 2.9.2 and 2.6.1 legal exam – As soon as possible		
16	Execute relevant trainings as defined in Baseline Risk for all personnel – (Hot Work, Working at Height, Lifting and Rigging, Conveyors, etc.)		
17	Site Specific induction – Arrange with relevant area Foskor 2.6.1		

18	Compile authorisations forms for relevant 2.13.1 Eng. to sign off (Hot Work, Working at Height, Lifting and Rigging, Conveyors, etc.)		
19	Compile Safety file with all relevant Documentation, Use Foskor Safety File index		
20	Verification of ROPS and TMM requirements		
21	Foskor Security to Sign Work Permit		
22	Foskor 2.9.2 to Sign Work Permit		
23	Foskor 2.6.1 to Sign Work Permit		
24	Foskor 2.13.1 to Sign Work Permit		
25	LACA Certification (2.9.2 and 2.6.1) – As soon as possible		
26	Foskor 3.1.a to sign Work permit. Appoint Contractor 2.6.1 and 2.9.2		
27	Foskor Safety to Sign Work Permit		
28	Hand in Work permit at Safety – Remember to have a copy in your safety file		
29	Issue Access cards by Security – Remember to have a copy in your safety file		
30	Book TMM training at Mining for VTS. Complete form and sign off by 3.1.a. After VTS go back to Clinic and get 3.1.a to sign off		
31	All TMM's' to be checked for compliance before entering the Plant. Arrangements with LDV workshop. Illumination test certificates to be in place with checklist book/file		
32	Compile tools and equipment list and present to Security for verification.		
33	Take all electrical tools to Foskor Electrical workshop for inspection and to be signed off		
34	NOTE: Site establishment can now take place		

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

- i. The service provider and subservice providers need to comply with the Mine Health and Safety act at all times. All Foskor COP's Policies and procedures needs to be adhered to.
- ii. A service provider 2.9.2 to be permanently on site.

- iii. Medical, Induction, Foskop ID Card, etc. is approximately R800 per Person. Exit medicals need to be done at termination of contract.
- iv. The Successful tenderer will be required to compile a Foskop 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 MHA: 2.6.1; 2.9.2 and Section 29(1) – SHE REP for the duration of the contract.
- v. All vehicles and cranes and other TMM's to be inspected before entering Foskop Premises.
- vi. All person competencies to be verified before being allowed to work on Foskop premises for a specific task.
- vii. The service provider must compile a Safety File as per Foskop standard for all service providers and sub-service providers.
- viii. Site access will need to be controlled and all persons must receive site specific induction before entering the site.
- ix. Conduct inspections as per Foskop Safety System. Analyse data and trends and recommend preventative measures where required.
- x. 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 is conducted. Arrange timeously.
- xi. Ensure all workers competencies are available and have been validated.
- xii. Ensure proper security, sign boards, fencing and barricading is in place on site where applicable.
- xiii. The service provider shall in general comply with the FOSKOR General Engineering Specifications, COP's, latest revisions and all relevant regulations.
- xiv. The service provider must complete a Baseline Risk Assessment (COP 01) before a work permit can be issued for the installation.
- xv. All service providers not in possession of a valid Foskop ID card have to complete the Foskop induction course and have to undergo a medical examination at the Foskop clinic for the service provider's account.
- xvi. 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.
- xvii. All personnel operating mobile equipment including LDV's must have a Foskop driver's permit.
- xviii. An open Pit Licence is required for driving in the mining areas.
- xix. All the required PPE and Safety Equipment are for the service provider's account.
- xx. All service providers must ensure that:
 - a. His workers are issued with the correct personal protective equipment free of charge.
 - b. That the workers wear the PPE in accordance with the project area's requirements or as given by the service provider Supervisor.
 - c. Training is provided in the correct use of PPE to workers.
 - d. Daily inspections are done on PPE.
 - e. The registers will be complete at least monthly on findings on PPE. (All PPE must be kept in good condition)
- xxi. All providers of services need be informed of the following minimum training is applicable to all service providers (irrespective of the tasks or scope of work) that will enter Foskop Phalaborwa site with effect from 1 April 2014. This training is not presented by Foskop Training section and service providers must ensure that the training is sourced through accredited external training companies:
 - a. Basic health and safety principles
 - b. HIRA
 - c. First Aid Training
- xxii. All other training requirements must be aligned with the baseline risk assessment. Risks identified in the baseline risk assessment will guide the requirements for training. A summary of the training must be completed as well as status on required authorization as per Foskop COP's.

- xxiii. Training certificate will be accepted if complying to 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

13. LEGISLATIVE REQUIREMENTS – SUMMARY

13.1 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 Practise) No. 25 for Service provider Control (Available on request)
- Foskor (Pty) Ltd. COP (Code of Practise) 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. (Available on request)
- All Foskor procedures and policies applicable to the successful application of the contract. (Available on request)

13.2 Summarised requirements/extracts from Foskor COP's

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

- Ensure that his driver/s are in possession of a valid national driver's licence for the specific class of vehicle, has 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 on 015 789 2840 to make an appointment for competence testing and authorisations)

- The appointed service provider shall, before entering and operating a vehicle or trailer on the Foskor premises:
 - Obtain permission from the Foskor Safety & Security manager to operate his nominated service vehicle/s or trailers on the Foskor site. (Forms will be provided)
 - Obtain a certificate of fitness from the Foskor Light Vehicle maintenance workshop supervisor or appointed Foskor inspector for his 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.
 - Submit the above permission and COF in at the main security office for issue of a vehicle access disk.
- Ensure that his service vehicles / trailers have been inspected (Daily) in accordance with the Foskor standard (COP 59) to ensure that they are safe and fit for use. (Forms will be provided)

See Foskor COP 59, Trackless Mobile Machinery for details.

- 13.2.2 Before entering and working on the Foskor site the appointed service provider shall ensure that his workmen are:
- i. Briefed on the required task and have been informed of any abnormal conditions/situations.
 - ii. Physically, emotionally and mentally fit to perform their duty.
 - iii. Issued with the necessary PPE (Personal Protective Equipment) to safely operate his service vehicles and perform the duty of maintaining, servicing, inspecting and testing earthmoving- and mobile equipment.
 - iv. Before commencement of work:
 - a. All tools and equipment shall have been inspected and tested to be in a good and safe working order.
 - b. 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.
- 13.2.3 Before entering and working on the Foskor site the appointed service provider shall ensure that his portable electrical equipment have been tested and declared safe to use by the Foskor electrical services workshop.

14. PERMIT TO WORK

Before any on-site work under this contract may commence, the appointed or successful service provider shall obtain from Foskor a PERMIT TO WORK. The following guidelines are provided in order 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):

- i. The PERMIT TO WORK can be obtained from- and on completion returned to the Legal Administrator, Foskor Safety department.
- ii. Obtain a contract number from the Foskor procurement or projects department.
- iii. Appoint a subordinate manager in accordance with Regulation 2.6.1 and an on-site supervisor in accordance with 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 being awarded this contract.

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)

- iv. Appoint an on-site SHE-Rep in accordance with section 29(1) of the MHSA to assist the Regulation 2.6.1 and 2.9.2 in 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 & Safety Principals- and HIRA training.

See Foskor's COP 5 Health and Safety Representatives for details.

- v. Provide a name list, including ID numbers, residential and postal addresses and telephone numbers of all of the appointed service providers on-site employees.

- vi. All of 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.

- vii. The appointed service providers designated on-site drivers shall receive competence testing and authorisation to operate vehicles on the Foskor site.
- viii. All of the appointed service providers' employees shall receive/have received training in:
 - a. First aid level 1 (Provide own training)
 - b. Working at heights (Provide own training)
 - c. Basic Health & Safety Principals (Provide own training)
 - d. HIRA (Provide own training)
 - e. Basic firefighting. (Provide own- or receive Foskor training, contact 015 789 2531 to book)
 - f. Lock out. (Provide own- or receive Foskor training, contact 015 789 2531 to book)

All training not provided by Foskor must be verified by the Foskor training superintendent Mr. Johan Fouche. Please contact him on 015 7789 2525 to make an appointment or alternatively email proof of training and certificates to johanfo@foskor.co.za to confirm compliance before requesting his approval on the PERMIT TO WORK.

- ix. All of the appointed service providers' on-site employees shall receive the basic Foskor site induction training at the Foskor Security office.
- x. All of the appointed service providers' on-site employees shall receive site specific induction training provided by the Foskor area Regulation 2.6.1 appointee/s.
- xi. 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 Foskor MHSA 2.13.1 appointee and signed by all of service providers employees. Make use of Foskor's own BRA document, Annexure 1.2, contained in COP 1, Risk and Opportunities Management (Available on request)
- xii. Attach a detailed SCOPE OF WORK describing the required task and -outcome of this contract.
- xiii. All Foskor's appointed MHSA Regulation 2.9.2, 2.6.1, 2.13.1 and 3.1.a managers must undersign/approve the PERMIT TO WORK.
- xiv. Registration and proof of payment under the Compensation for Occupational Injuries and Diseases Act, no. 130 of 1993. Registration number must be provided.
- xv. SARS issued tax clearance certificate.
- xvi. All relevant documentation and/or evidence of compliance must be attached to the PERMIT TO WORK.
- xvii. Upon successful completion and approval of the PERMIT TO WORK the security department will issue the appointed service providers' employees with access ID cards.
- xviii. Any other documents, certificates or records as requested by a Foskor official deemed necessary to ensure that all safety, legislative and administrative requirements have been met must be attached to the PERMIT TO WORK.
- xix. The appointed service provider must allow at least three to ten working days to complete all the PERMIT TO WORK requirements.

15. SAFETY FILE

The appointed contractor must compile a SAFETY FILE specifically for this contract. The SAFETY FILE must at all times be available for inspection by a Foskor official: The following guidelines are provided in order 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 area responsible safety representative of the area – Extension 8 or attend the monthly service providers meeting every 2nd Monday of the month (3rd Monday if 1st or 2nd Monday a public holiday) at 13:30 in the Foskor Plant Training Hall)

The SAFETY FILE must at all times be available for inspection by a Foskor official.

15.1 SHE FILE INDEX / TABLE OF CONTENT

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2. Policies Clause 5.2: OH&S Policies	2
3. COP1: Foskop risk management Clause 6.1.2.1 & 6.1.2.2: Hazard identification, risk assessment and determining controls.	3
4. COP88: Objectives, targets and management programmes Clause 6.2.1: Planning to achieve OH&S objectives. Clause 6.2.2: Objectives and programs	4
5. COP 2: Compliance obligations and appointments COP 5: Health and safety representatives, Clause 5.1: Leadership and commitment Clause 6.1.3: compliance obligations/ legal and other requirements	5
6. COP 15: SHERQ Competency and awareness training Clause 7.2: Competence Clause 7.3: Training awareness	6
7. COP 17: Mobile, technical and process training Clause 7.2: Competence Clause 7.3: Training and awareness	7
8. COP 6: SHERQ Committees COP 7: Communication (Mini – business communications) Clause 7.4: Communication Clause 5.4 participation and consultation	8
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Notes:

1. If a COP is not applicable to your section, please complete and attach the "Not Applicable" form in the space of the COP.
2. Always keep your file neat and clean

15.2 TYPICAL CONTENTS OF SAFETY FILE:

- i. Title and index cover page
- ii. A copy of the PERMIT TO WORK.
- iii. A copy of the MHSA Regulation 2.6.1 and -2.9.2 and SHE Rep appointment letters.
- iv. A copy of Foskor COP 25, Service provider control.
- v. A copy of LME (Lifting Machine Entity) registration certificate with the Department of Labour.
- vi. Copy of LMI (Lifting Machine Inspector) registration certificate with the Engineering Council of South Africa in the employ of the service provider.
- vii. Base line risk assessment of ALL and ANY POTENTIAL tasks that may be performed on site under this contract. See Foskor COP 26, Critical Task Descriptions for details.
- viii. Copies of critical task descriptions and standard operating/maintenance procedures.
- ix. Copies of the appointed service providers safety, health, environmental, HIV and AIDS, smoking and waste management policies.
- x. Training records of all on-site employees.
- xi. Employee records of actual time worked (Normal and overtime).
- xii. Copy of on-site induction training.
- xiii. Records of inspections of TMM (Trackless Mobile Machinery) and trailers. See Foskor COP 59, Trackless Mobile Machinery for details.
- xiv. Records of issues and inspections of PPE (Personal Protective Equipment) and safety equipment. See Foskor COP 65, Personal Protection Equipment for details.
- xv. Records of issues and inspections of PEE (Portable Electrical Equipment). See Foskor COP 60, Portable electrical Equipment for details.
- xvi. Records of issues and inspections of tools and equipment. See Foskor COP 63, hand tools for details.
- xvii. Records of daily, weekly and monthly 2.6.1 / SHE Rep safety inspections. See Foskor COP 22, SHE Inspections for details.
- xviii. Records of daily green-area and safety talks. See Foskor COP 7, Communication for details.
- xix. Any other documents, certificates or records as requested by a Foskor official deemed necessary to ensure that all safety, legislative and administrative requirements have been met.

Note: The bidder / Service provider can obtain an updated CD/Disk with all Foskor COPs from Projects Admin at the Projects Department on 015 789 2005.

16. TECHNICAL ASPECTS

16.1 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. A 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 DWA.

16.2 SPECIFICATIONS, CODES, STANDARDS AND REGULATIONS

The Latest edition of the South African National Standards in effects 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 Foskor SHERQ system (COP's). No work shall be contemplated which is in breach of any legislation in South Africa – Typically:

- FOSKOR Water Use Licence (Copy available on request)
- 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.
- Foskor COP's and applicable General SHEQ Requirements
- Foskor Engineering Specifications
- Chamber of Mines / Mine Council SHEQ Requirements (Milestones)
- FOSKOR Atmospheric Emissions License (Copy available on request)
- The latest revisions of the SANS standardized specifications and Foskor Specifications as applicable at the time of quotation shall apply to this contract.

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

16.3 SITE GEOGRAPHY

The plant is located at Phalaborwa, Limpopo, South Africa

16.4 AMBIENT CONDITIONS















- Ambient temperature

Summer	35 Degrees Avg.	50 Degrees Max
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Winter	17 Degrees Avg.	2 Degrees Min
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- Site Altitude: 380m
- Prevailing wind direction: Generally South Easterly - Maximum design velocity 40m/s (144km/h)
- Very dusty conditions
- Average annual rainfall = 540 mm

16.5 Foskor General Engineering Specifications (should be consulted prior to finalization of any design or specification)

 Name	Modified	Modified By
 Engineering Specification Index	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS001 - General Design Information - Rev 1	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS002 - Engineering Drawings - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS003 - Quality Control Procedures - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS005 - Concrete and Formwork - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS007 - Plate work - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS008 - Welding procedures - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS009 - Structural fabrication and erection - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS011- Piping - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS012 - Pressure vessels - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS013M - Painting and Protective Coatings	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS014 - Rubberlining - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS015 - Fencing - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS016 - Roofing and side cladding - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS017 - Fuel - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS018 - Lubrication - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS019 - Liquid containemt bund walls - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS020 - General purpose valves - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS021 - Gearboxes - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GS022 - Chainblocks and lever hoists - Rev 0	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu
 GSI-004 - Field Instrumentation Standards	... 15 April, 2016	<input type="checkbox"/> Khayelihle Pepu

Electrical Specification:

Name
 EC1REV4 Install, test, commis elect equip
 EE1REV4 motor control centre & switchgear
 EE2REV2 motors
 EE6REV2 11 kv power transformers
 EE8REV2 elect interfacing equip
 EE11REV2 Power correction Factor equipment
 EE12REV2 light, small power DB
 EI1REV1 Installation Testing Commissioning equipment

SPECIFICATION

ELECTRICAL SPECIFICATIONS		
NUMBER	REVISION	TITLE
EE-1	Latest Revision	Motor Control Centre & Switchgear
EE-2	Latest Revision	Squirrel Cage Induction & Wound Rotor Motors
EE-11	Latest Revision	Power Factor Correction Equipment
GE-1	Latest Revision	Design Criteria for Electrical Installations
GA-1	Latest Revision	Procedures for Enquiries & Tenders
GD-1	Latest Revision	General Requirements for Design, Project Management & Tenders
GD-2	Latest Revision	Engineering Change Order (E.C.O) Procedure
GM-1	Latest Revision	Mechanical Equipment
GM-5	Latest Revision	Pipe Standards
GM-6	Latest Revision	Engineering Drawing & Document Requirements
GM-8	Latest Revision	Surface Protection
GM-3	Latest Revision	Painting & Surface Protection of Steel
GS-1	Latest Revision	Structural Steel work & Plate work Fabrication & Erection
GQ-1	Latest Revision	Quality Control
GI-1	Latest Revision	2.1.1.1. General specifications & Procedures
GI-2	Latest Revision	2.1.1.2. Installation & Commissioning
GI-3	Latest Revision	2.1.1.3. General Equipment Specification
GI-4	Latest Revision	2.1.1.4. Field Instrumentation Specification

Service provider /Contrator /Supplier - Please ensure that you have the latest copy of Specifications before any activity is committed.

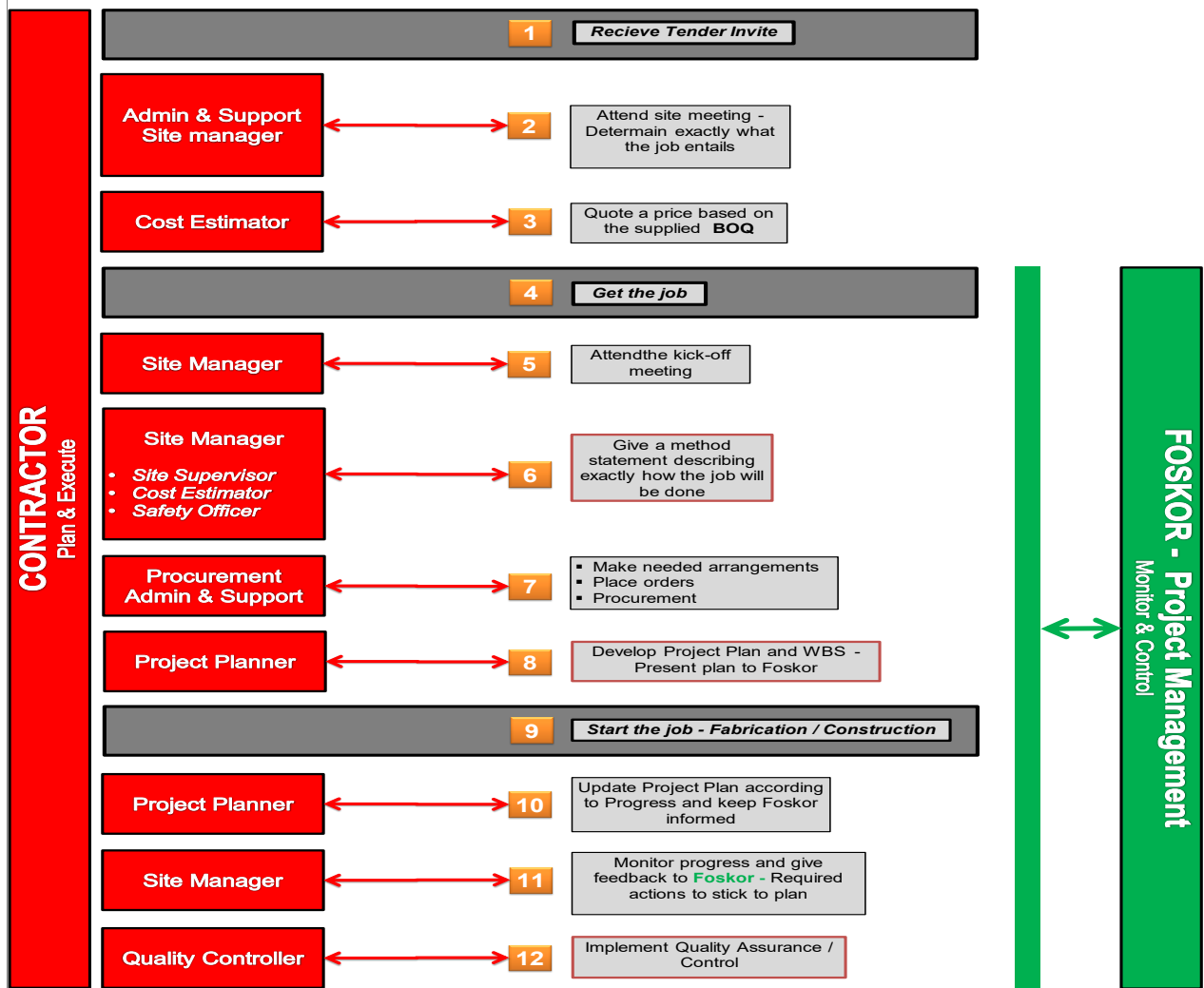
Foskor Engineering Specifications to be used as a basis for submitting cost items. During design the designer may propose alternatives which may be considered by Foskor. Foskor reserves the right to reject proposals.

17. PROJECT MANAGEMENT - CONTRACTOR

- a) Nominate a single window of communication to Foskor – Typically the appointed contractor 2.6.1.
- b) Attend meetings as agreed during the project kick off meeting.
- c) Submit Progress reports (Format & interval) as defined in the Kick-off Meeting (Invoicing, Labour, Performance against plan, Contractor purchases, Quality Management, Safety, Etc.
- d) Manage and participate in the “Daily Journal” as part of executing the project.
- e) All meetings will be held at FOSKOR offices, unless otherwise stated.
- f) The contractor to provide updated project management plans on progress as defined by the Foskor Project Engineer.
- g) If the project is executed based on a shutdown approach the contractor will produce a formal Works Breakdown Structure of the works.
- h) If the contractor cannot produce a proper WBS then the contractor will be required to subcontract this function to produce the WBS and manage the WBS for the duration of the project. This cost must be included in the contractor's price.
- i) This includes arrangements, tools, equipment, labour, Tasks, Purchase, Quality, Communication, etc.
- j) Project progress updates - If the contractor cannot produce proper updates on a WBS then the contractor will be required to subcontract this function to produce the WBS updates for the duration of the project. This cost must be included in the contractor's price.

ADD ANY ADDITIONAL PROJECT MANAGEMENT REQUIRMENTS

PROJECT- Simplified typical task flow diagram



18. 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 the Foskor appointed structural-, electrical-, equipment- and instrumentation installation contractor – if applicable.

19. GENERAL CONDITIONS – COMMERCIAL

19.1 EXTENSIONS, PENALTIES AND RETENTIONS

- a) 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.
- b) Any additional works not defined in the order needs to be approved by FOSKOR in writing before any work commence.

Description	Condition	Duration
Penalties	2% per week	Late Delivery after promised completion date
Performance Bond	0% of Contract Value	0 Year after completion
Retention	10 % of Contract value	Release after 3 months
Type of Contract	FOSKOR Terms and Conditions	
Tender price validity	3 months	
Escalation	None	None

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

20. 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.

20.1 MANDATORY REQUIREMENTS

Bid submission not meeting the mandatory requirement will result in the bid being disqualified.

No	Pre-Qualification Requirements	Comments
1	<ul style="list-style-type: none"> Company should have a CIDB Rating of 3 EB/EP or higher 	Submit documented proof

20.2 EVALUATION CRITERIA (TECHNICAL)

Evaluation Criteria (Technical)				
Spills Ponds PMC Hauling Infrastructure – Supply and Installation of Streetlights and Power supply to boom gates, containers				
No	Technical Criteria Description	% Contribution	Proof / documents to be submitted	Notes
1	Experience & Team competence			
a)	<p>Company – Previous experience in the supply, installation and commissioning of electrical installations such as streetlights, wiring and cabling of infrastructure</p> <p>Scoring:</p> <p>0 Projects 0%</p> <p>1-2 Project 5%</p> <p>3-4 Projects 20%</p> <p>5+ Projects 40%</p>	40%	Give proof of purchase order, or appointment letters and a reference list of projects, with values and contact numbers for verification	<u>Annexure A</u>
2	Company Capacity			
a)	<p>Company Organogram and CV of respective persons to work on this task.</p> <p>Scoring:</p> <p>Organogram and CVs not relevant = 0%</p> <p>Organogram and CVs partial = 10%</p> <p>Organogram and CVs relevant = 25%</p>	25%	<p>Company organogram - all levels CV of Respective persons to be used on this task.</p> <p>Partial means that their CVs are incomplete or members don't hold relevant skills (e.g. trade test, electrical qualifications, etc)</p>	<u>Annexure B</u>
b)	<p>Quality assurance/control plan, Quality Control for Street light installation and power supply</p> <p>Scoring:</p> <p>No Quality Plan 0 %</p> <p>Quality Plan not signed off 7 %</p> <p>Quality Plan signed off 15 %</p>	15%	Provide documentation of one (1) previous <u>signed-off</u> Quality Control Plan (QCP).	<u>Annexure C</u>
3	Minimum Safety Training required on Foskor			
a)	<p>MQA-based Basic Health and Safety, First Aid, Hira.</p> <p>Scoring:</p> <p>No Training 0%</p>	20%	Provide proof of team compliance or plan indication how compliance will be	<u>Annexure D</u>

Evaluation Criteria (Technical)				
Spills Ponds PMC Hauling Infrastructure – Supply and Installation of Streetlights and Power supply to boom gates, containers				
No	Technical Criteria Description	% Contribution	Proof / documents to be submitted	Notes
	Partial Training 10% All relevant personnel trained 20%		achieved. Training matrix, etc	
	Total Technical Score	100.00%		
Note: In order for the bid to be considered the bidder needs to score 70% and above, and comply to all mandatory requirements				

21. PRICING SCHEDULE

21.1 UNITS OF MEASUREMENT

The units of measurement described in the Bill of Quantities are metric units. Abbreviations used in the Bill of Quantities are as follows:

mm	–	millimetre	No.	–	Number
MPa	–	megapascal	sum	–	lump sum

21.2 BILL OF QUANTITY (BOQ) - PRICING SCHEDULE

	Description	Unit	Qty	Rate	Total
1.	Supply and Installation of Time and Attendance Clocking System at Moshate Gates				
	All cots must include Labor and supervision. Safety is included in the main Order.				
1.1	Preliminary & General - This includes Safety, Work permit, training, compliance, barricading, supervision, management, All transport cost, material handling, PPE, etc.	Sum	1		
2	<u>South Pit Haul Truck Parking:</u>				
2.1	Supply and install 13 prewired streetlight poles (9 or 10 meters)	No	13		
2.2	Supply and install 13 LED streetlights (55 W/60 W) to be installed at Dump Truck parking at South pit (All lights should work and operate)	No	13		

2.3	Supply and Install 9 x 200 W LED lights (All lights should work and operate)	No	9		
2.4	Supply and install 1 x 20 meters prewired high mast pole	No	1		
2.5	Supply and install 700m worth of cabling and connections to connect all the lights to the DB which is on site	m	700		
3	<u>South Pit Gate 9:</u>				
3.1	Supply and install 3 LED streetlights (55 W/60 W) to be installed at South pit gate 9 (All lights should work and operate)	No	3		
3.2	Supply and install 3 x 9 meters prewired streetlight poles	No	3		
3.3	Supply and Install 100m worth of cabling to connect all the lights to the DB which is on site	m	100		
3.4	Supply a connection point from the DB on site to the Container which will be placed there.	Sum	1		
4	<u>Tailings Area</u>				
4.1	Supply and install 4 LED streetlights (55 W/60 W) to be installed at South pit gate 9 (All lights should work and operate)	No	4		
4.2	Supply and install 4 x 9 meters prewired streetlight poles	No	4		
4.2	Supply and Install 300m worth of cabling to connect all the lights to the DB which you will be providing. Cabling will be needed to also connect from the substation to DB	m	300		
4.3	Supply and install small power Distribution Board that will carry the load for the lights, clocking installation, as well as the container which will be put on site (Container will have sockets and aircon). The DB should be square key lockable, designed with mild steel and canopy for indoor installations. DB to comply with section 23 of the Foskor GE-1 Rev 8 Specification as well as Specification EE12REV2.	Sum	1		
5	Quote all other required accessories to ensure works are complete and operational	Sum	1		
		Total (Excluding VAT)			R
		VAT @15%			R
		TOTAL (Including VAT)			R

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.