

TENDER

APPOINTMENT OF A SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL SCMU5-26/27-0053

NAME OF COMPANY: _____

CSD Nr: _____

CRS Nr (PSIRA): _____

CLOSING DATE: 13 OCTOBER 2026

TIME: 11h00

Department of Public Works &
Infrastructure
Independence Avenue
Qhasana Building
Bhisho



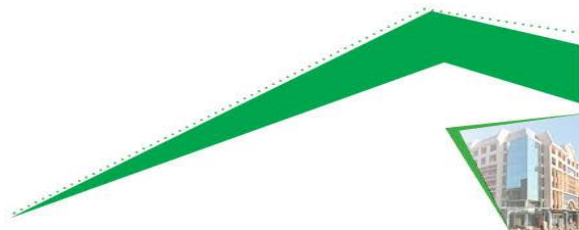
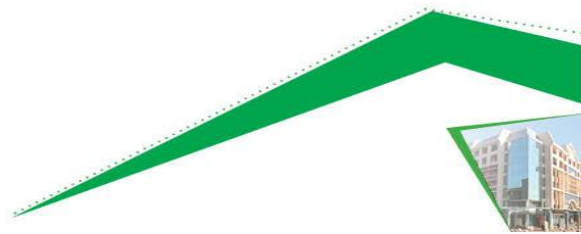
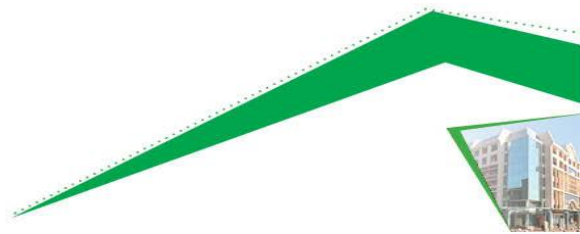


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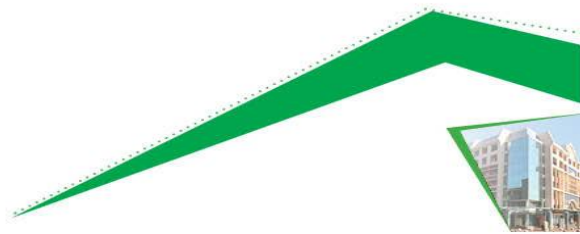
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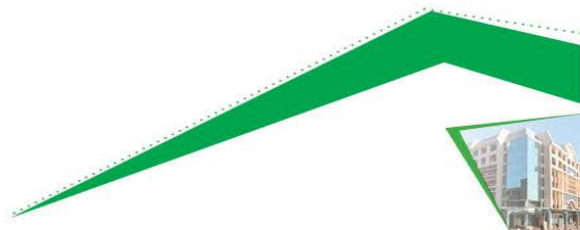
THE TENDER



PART T1: TENDERING PROCEDURES



PART T1.1: TENDER NOTICE AND INVITATION TO TENDER



T1.1 Tender Notice and Invitation to Tender

The Eastern Cape Department of Public Works & Infrastructure invites security companies with PSIRA registration to tender for **APPOINTMENT OF A SERVICE PROVIDER FOR UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL FOR 8 MONTHS CONTRACT PLUS A MONTH'S WARRANTY AND 24 MONTHS EXTENDED MAINTENANCE PERIOD.**

The contract will be based on **GCC**, and the Eastern Cape Department of Public Works & Infrastructure will enter into a contract with the successful tenderer.

Only tenderers who have suitable experience and suitably qualified personnel in providing similar services to those that are required are eligible to submit to tenders.

Bid documents are downloadable free of charge from the Department of Public Works and Infrastructure website (www.ecdpw.gov.za/tenders) or from National Treasury's tender portal (www.etender.gov.za/content/advertised-tenders). **Bid documents will be available from 11 September 2026.** No bid documents will be available at department offices.

There will be a **compulsory briefing meeting on 22 September 2026 at Fort England Psychiatric Hospital.** Prospective bidders are to meet at **Fort England Psychiatric Hospital main entrance at 11:00am.** Co-ordinates: 33°18'56"S 26°32'25"E

Below is a link containing a Bill of Quantities, Drawings and Construction Health and Safety specification.

[FORT-ENGLAND CCTV \u0026 ACCESS CONTROL_UNPRICED BoQ Print to link.pdf](#)
[ohs spec.pdf](#)
[P2402-PRF-FE-001 Fort England Hospital CCTV - Rev 02.pdf](#)
[P2402-PRF-FE-002 CONTROL ROOM ELECTRICAL LAYOUT Rev 01.pdf](#)
[P2402-PRF-FE-003 CONTROL ROOM CCTV LAYOUT Rev 00.pdf](#)

Queries relating to the issue of these documents may be addressed in writing through email: supply.chain@ecdpw.gov.za. **Technical enquiries:** may be addressed in writing to **Ms. Lizeka Kopolo**– email: Lizeka.Kopolo@ecdpw.gov.za

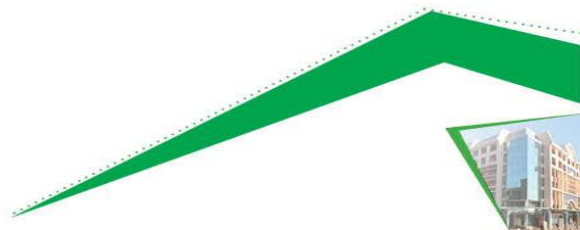
B. TENDER SUBMISSIONS

Bids must be submitted in sealed envelopes clearly marked **“SCMU5-26/27-0053: APPOINTMENT OF A SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL** must be deposited in the bid box at Department of Public Works & Infrastructure, Qhasana Building, Independence Avenue Bisho.

The closing time for receipt of tenders by the ECDPWI is **11:00am on 13 October 2026.** Telegraphic, telephonic, telex, facsimile, e-mail and late tenders will not be accepted.

It is the responsibility of the tenderer/s to ensure that bid documents /proposals are submitted on or before closing time and the correct location as the department will not take responsibility of wrong delivery. Tenderers using courier services for delivery of their bid documents must ensure the delivery is at the correct place / location and time as the department will not be held responsible for wrong delivery. Not delivered to Departmental officials. The Department will not accept responsibility if bids received by officials are not timely deposited in the Bid Box.

Tenders may only be submitted on the tender documentation that is issued. Tenderers must be registered on the National Treasury Central Supplier Data Base and proof of registration must be submitted with the



proposal (<https://secure.csd.gov.za>). Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

C. BID EVALUATION:

This bid will be evaluated in Three (3) phases as follows:

Phase One: Functionality - pre-qualification criteria

Phase Two: Compliance, responsiveness to the bid rules and conditions

Phase Three: Preferential Procurement Policy Framework Act (PPPFA), and Preferential Procurement Regulations 2022.

PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT (PPPFA) WILL BE AWARDED AS FOLLOWS:

Maximum points on price	-	80 points
Maximum points for Specific Goals	-	20 points
Maximum points	-	100 points

D. BID SPECIFICATIONS, CONDITIONS AND RULES

1. The minimum specifications, other bid conditions and rules are detailed in the bid document under Tender Data
2. The Department of Public Works and Infrastructure SCM policy applies.
3. Tender validity period is **120 days**.

E. ENQUIRIES WITH REGARD TO THIS ADVERT MAY BE DIRECTED TO:

SCM RELATED ENQUIRIES

supply.chain@ecdpw.gov.za

TECHNICAL ENQUIRIES

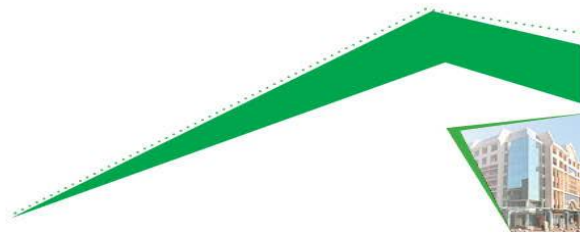
Ms. L Kopolo

Tel: 082 520 1533

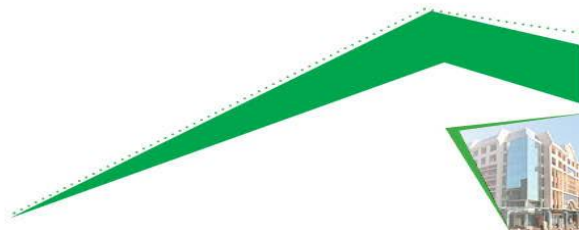
Email Address: Lizeka.Kopolo@ecdpw.gov.za

FOR COMPLAINTS, FRAUD, & TENDER ABUSE:

Call: 0800 701 701



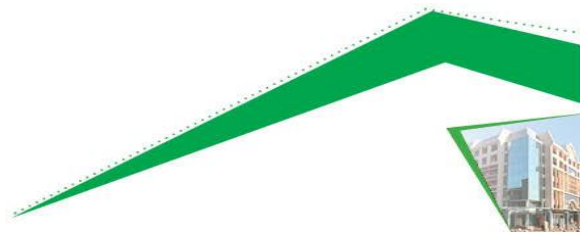
PART T1.2: TENDER DATA



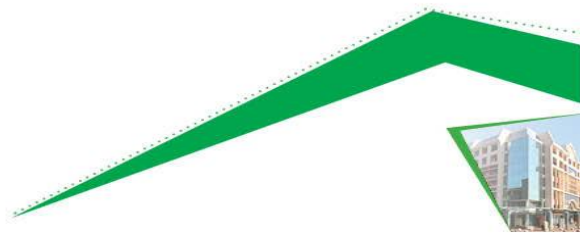
T1.2 Tender Data

The conditions of tender are the latest edition of SANS 10845-3, *Standard conditions of tender*. SANS 10845-3 makes several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the provisions of SANS 10845-3 *and* as contained in **Annexure C of Standard for Uniformity in Construction Procurement (Board Notice 423 of 2009 Government Gazette No 42622 of August 2019)**. Each item of data given below is cross-referenced to the clause in SANS 10845-3 to which it mainly applies.

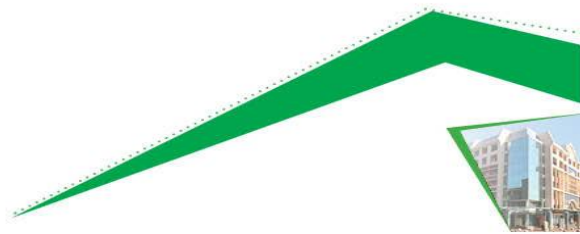
Clause number	Tender Data
3.1	The Employer is Public Works & Infrastructure – Eastern Cape
3.2	The tender documents issued by the employer comprise the following documents: THE TENDER Part T1: Tendering procedures T1.1 - Tender notice and invitation to tender T1.2 - Tender data Part T2: Returnable documents T2.1 - List of returnable documents T2.2 - Returnable schedules THE CONTRACT Part C1: Agreements and Contract data C1.1 - Form of offer and acceptance C1.2 - Contract data C1.3 - Dispute Resolution Mechanism Part C2: Pricing data C2.1 - Pricing Instructions C2.2 - Bills of Quantities Part C3: Scope of work C3 - Scope of work Part C4: Site information C4 - Site information
3.3	The tender documents issued by the employer comprise the documents listed on the contents page
3.4	The employer's agent is: Name: Lizeka Kopolo Department of Public Works & Infrastructure 55 Albany Rd Gqeberha Central Gqeberha 6000 Tel: 082 5201 533 E-mail: Lizeka.Kopolo@ecdpcw.gov.za
3.5	The language for communications is English
3.6	The competitive negotiation procedure shall be applied.
3.7	Method 3: Three (3) stage procurement procedure shall be applied.
4	Tender's obligations



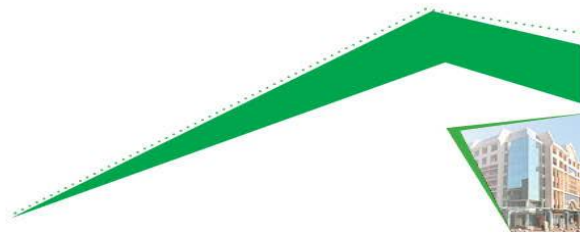
4.1	The following tenderers who are registered with PSIRA, or are capable of being so registered prior to the evaluation of submissions, are eligible to have their tenders evaluated: (a) Tenderers who have a valid PSIRA registration certificate, COIDA valid letter of good standing and valid UIF letter of good standing. Joint ventures/consortia are eligible to submit tenders provided that: 1. It shall be signed so as to be legally binding on all consortium members. 2. One of the members shall be nominated by the others as authorized to be the lead member and this authorization shall be included in the agreement entered into between the consortium members; 3. The lead member shall be the only authorized party to make legal statements, communicate with the DPWI and receive instructions for and on behalf of any and all the members of the consortium. 4. A copy of the agreement entered into by the consortium members shall be submitted with the bid. 5. Each party to the Consortium must submit a separate valid PSIRA registration certificate, COIDA valid letter of good standing and valid UIF letter of good standing
4.2	The employer will compensate the tender as follows as per the conditions of the Form of Contract signed or SLA. The employer will not compensate the tenderer for any costs incurred in attending interviews or making any submissions in the office of the employer.
4.3	It is the responsibility of the tenderer to check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.
4.4	Confidentiality and copyright of documents Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.
4.5	Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are incorporated into the tender documents by reference.
4.6	Acknowledge receipt of addenda to the tender documents, which the employer may issue, and, if necessary, apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.
4.7	The arrangements for a compulsory clarification meeting are as stated in the Tender Notice and Invitation to Tender. Tenderers must sign the attendance list in the name of the tendering entity. Addenda will be issued to and tenders will be received only from those tendering entities appearing on the attendance list. Tender documents will not be made available at the clarification meeting
4.8	Seek clarification Request clarification of the tender documents, if necessary, by notifying the employer at least 7(seven)working days before the closing time stated in the tender data.
4.9	Tenderers are required to state the rates and currencies in Rands. Include in the rates, prices, and the tendered total of the prices (if any), all duties, taxes which the law requires to be paid [except value added tax (VAT)], and other levies payable by the successful tenderer, that are applicable 14 days before the closing time stated in the tender data. Show the VAT payable by the employer separately as an addition to the tendered total of the prices. Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data. State the rates and prices in monetary value of the contract unless otherwise instructed in the tender data.
4.10	Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer or to correct errors made by the tenderer and ensure that all signatories to the tender offer initial all such alterations. Do not make erasures using masking fluid.
4.11	Main tender offers are not required to be submitted together with alternative tenders.
4.12	No alternative tender offers will be considered
4.13.1	Parts of each tender offer communicated on paper shall be submitted as original. Submit



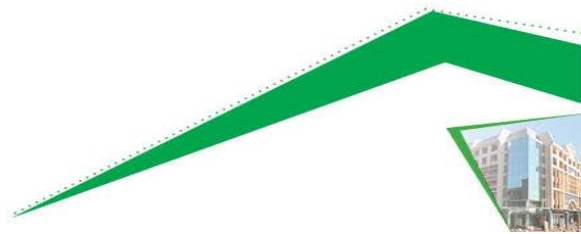
	a) the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with a translation of any documentation in a language other than the language of communication established in 3.5, and b) the parts communicated electronically by the employer of its agents on paper format with the tender.
4.13.2	Sign the original and all copies of the tender offer where required in terms of the tender data. NOTE The employer holds all authorized signatories liable on behalf of the tenderer.
4.13.3	A tender security in the amount of N/A is required and shall remain valid for a period not exceeding N/A days after the closing date for tender offers. The form of the tender security shall not differ substantially from the sample provided in Annex D of SANS 10845-3.
4.13.4	The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are: Location of tender box: DEPARTMENT OF PUBLIC WORKS & INFRASTRUCTURE, Physical address: QHASANA BUILDING, INDEPENDENCE AVENUE, BISHO CENTRAL Identification Details: SCMU5-26/27-0053: APPOINTMENT OF A SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL Closing date and time: 13 OCTOBER 2026 at 11:00
4.13.5	The tenderer is required to submit with his tender the following certificates: 1) a copy of the CSD report showing, amongst other things, that tax matters of the service provider are in order in the South African Revenue Services In the case of a Joint Venture/Consortium/Sub-contractors each party must submit a separate CSD report showing, amongst other things, that tax matters of the service provider are in order in the South African Revenue Services. 2) Valid PSIRA, COIDA AND UIF letter of good standing
4.13.6	A two-envelope procedure will not be required.
4.13.7	Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted. The tenderer accept that the employer does not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.
4.14	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender. Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Proof of posting shall not be accepted as proof of delivery. Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of the standard conditions of tender in this part of SANS 10845 apply equally to the extended deadline.
4.15.1	The tender offer validity period is 120 days. Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data. If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period, with or without any conditions attached to such extension. Extend the period of the tender security, if any, to cover any agreed extension requested by the employer.
4.15.2	Placing of contractors under restrictions / withdrawal of tenders If any tenderer who has submitted a tender offer or a company who has concluded a contract has, as relevant: withdrawn such tender or quotation after the advertised closing date and time for the receipt of submissions; after having been notified of the acceptance of his tender, failed or refused to commence the contract; had their contract terminated for reasons within their control without reasonable cause; offered, promised or given a bribe in relation to the obtaining or the execution of such contract; acted in a fraudulent, collusive or anti-competitive or improper manner or in bad faith towards the Provincial Government; or, made any incorrect statement in any affidavit or declaration with regard to a preference claimed and is unable to prove to the satisfaction of the Provincial Government that the statement was made in good faith or reasonable steps were taken to confirm the correctness of the statements, such tenderer/s may be placed under restriction from tendering with the state. Procedures are outlined in the EC SCM Policy for Infrastructure procurement and Delivery Management. Excerpts of the policy can be availed on request of any interested tenderer.
4.16	Access shall be provided for the following inspections, tests and analysis: N/A



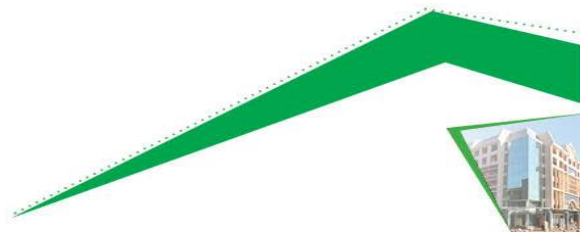
4.17	the preferred tenderer will be required to submit an approved insurer undertaking to provide the Performance Bond / Guarantee / Surety / Security to the format and/or standard as per DPWI policy within 21 days of appointment.												
5	Employer's undertakings												
5.1	The Employer will respond to requests for clarification received up to Seven (7) working days before the tender closing time. If, as a result of the issuing of addenda, it is necessary to extend the closing time stated in the tender data, grant such extension and notify all respondents accordingly.												
5.2	The employer shall issue addenda until Ten (10) working days before tender closing time.												
5.3	Tenders will be opened immediately after the closing time for tenders at 11:00am hours .												
5.4	Do not disclose to tenderers, or to any person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.												
5.5	Determine, after opening and before detailed evaluation, whether each tender offer that was properly received a) complies with the requirements of the standard conditions of tender in this part of SANS 10845, b) has been properly and fully completed and signed, and c) is responsive to the other requirements of the tender documents. A responsive tender is one that conforms to all the terms, conditions, and scope of work of the tender documents, without material deviation or qualification. A material deviation or qualification is one which, in the employer's opinion, would d) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the scope of work, e) significantly change the employer's or the tenderer's risks and responsibilities under the contract, or f) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified. Reject a non-responsive tender offer, and do not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.												
5.6	Arithmetical errors, omission and discrepancies Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern. For Vat related discrepancies, National and Provincial Treasury prescripts in relation to VAT procedures apply.												
5.7.1	The financial offer will be reduced to a comparative basis using the Tender Assessment Schedule. Table F.1: Formulae for calculating the value of A <table><tr><th>Formula</th><th>Comparison aimed at achieving</th><th>Option 1^a</th><th>Option 2^a</th></tr><tr><td>1</td><td>Highest price or discount</td><td>$A = \left(1 + \frac{(P - P_m)}{P_m} \right)$</td><td>$A = P / P_m$</td></tr><tr><td>2</td><td>Lowest price or percentage commission / fee</td><td>$A = \left(1 - \frac{(P - P_m)}{P_m} \right)$</td><td>$A = P_m / P$</td></tr></table> ^a P_m is the comparative offer of the most favourable comparative offer. P is the comparative offer of the tender offer under consideration.	Formula	Comparison aimed at achieving	Option 1 ^a	Option 2 ^a	1	Highest price or discount	$A = \left(1 + \frac{(P - P_m)}{P_m} \right)$	$A = P / P_m$	2	Lowest price or percentage commission / fee	$A = \left(1 - \frac{(P - P_m)}{P_m} \right)$	$A = P_m / P$
Formula	Comparison aimed at achieving	Option 1 ^a	Option 2 ^a										
1	Highest price or discount	$A = \left(1 + \frac{(P - P_m)}{P_m} \right)$	$A = P / P_m$										
2	Lowest price or percentage commission / fee	$A = \left(1 - \frac{(P - P_m)}{P_m} \right)$	$A = P_m / P$										
5.7.2	The procedure for the evaluation of responsive tenders is Method 3: Functionality, Administrative Compliance, Price and Preference Phase 1: Functionality Phase 2: Administrative requirements and Mandatory requirements Phase 3: Price and preference (80/20 system) :												
	1. PHASE 1: FUNCTIONALITY EVALUATION The minimum threshold for functionality is 35 points out of 50 points.												



A bidder that scores less than 35 points out of 50 in respect of functionality will be regarded as a non-responsive the bid and will be disqualified. Only bidders that obtain 35 points and above will qualify for further evaluation in terms of price and Specific Goals evaluation (3rd stage) All points scored by qualifying bidders will not be taken into consideration for price evaluation.			
Criteria	Description /Sub-criteria	Max Score	Required Evidence
Experience	Work Experience in CCTV and Access Control	15	Project reference letter from current and previous clients for similar services clearly indicating duration of contract, contract start and end date, bid value and performance of the bidder. NB: Points will only be allocated when the bidder includes the project reference letter which includes the above highlighted information. Project reference letter must be stamped and signed by the referee(client).
	1 project	5	
	2 projects	10	
	3 projects and more	15	
Human Resources	Staff Available for the project	25	Submit the following documentation: • CV with a minimum of 3 years' experience on similar projects • ID copy • Qualifications • Training certificates on CCTV and Access Control Failure to provide the above will invalidate the points. Bidders that do not meet the minimum number of years' experience (less than 3 years) as stipulated will not be allocated any points.
	a, 2 x competent technicians with an electrical / electronic qualification, including relevant training in CCTV and Access Control.	15	



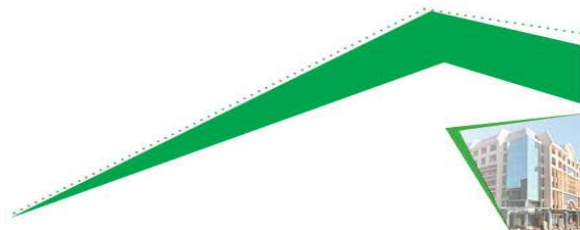
		b, 2 x Assistant technicians with grade 12 or similar qualification, (NQF Level 4)	10	Submit the following documentation: • CV with a minimum of 3 years' experience on similar projects • ID copy • Qualifications • Training certificates on CCTV and Access Control Failure to provide the will invalidate the points. Bidders that do not meet the minimum number of years' experience (less than 3 years) as stipulated will not be allocated any points.
	Methodology	Methodology on the provision of access control and CCTV installation	10	Document outlining the detailed Methodology for testing existing equipment and the installation of new equipment in a live environment. The methodology must include but not limited to the following: Pre-inspection & Document check; - Visual audit, - Labelling verification - Power supply checks, Cable & Network Testing: - Continuity testing - Insulation resistance - Network communication, Functional and Operation Testing: - Camera focusing and alignment, - Recording & storage verification - Software & alarm integration
		a. Methodology on installation and commissioning approach	5	
		b. Methodology on maintenance of the installation for the stated duration	5	
		TOTAL	50	



	DESCRIPTION	YES	NO	ATTACH PROOF
Experience	Project Reference letter from current and previous clients clearly indicating number of years' experience, start and end date of contract, performance of the contractor			
Human Resources	a. 2x competent technicians with an electrical/electronic qualification, including relevant training in CCTV and Access Control.			
	c. 2x Assistant technicians with grade 12 or similar qualification			
Methodology	a. Methodology on installation and commissioning approach			
	b. Methodology on maintenance of the installation for the stated duration			

PHASE TWO: RESPONSIVENESS TO THE BID REQUIREMENTS AND RULES
Bidders' proposals must meet the following minimum requirements and supporting documents must be submitted with the completed bid document in a sealed envelope in the bid box at the closing date and time. Failure to comply will automatically eliminate the bid for further consideration:

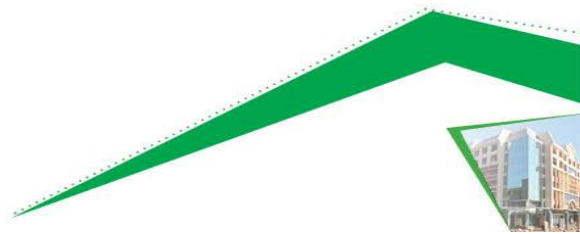
1. Bid Document (This Document must be submitted in its original format)
2. Bids which are late, incomplete, unsigned or submitted by facsimile or electronically, will not be accepted.
3. Bidder must be registered with PSIRA in the correct grading and class of works as per the tender notice and requirements. And must the status on PSIRA be active during award stage. It is the responsibility of the bidder to keep the status on PSIRA active throughout bidding process (advert till award stage).
4. Bidders must be a legal entity.
5. Form of offer and Acceptance (fully completed and signed)
6. SBD 4- Declaration of Interest (fully completed and signed). SBD4 must be duly completed and signed. Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract, such interest must be disclosed on question 2.4.1.
7. Incomplete or unsigned or poorly completed forms SBD 4 will lead to a bidder being declared non-responsive
8. Compulsory Enterprise Questionnaire (Completed and signed) (JV partners must complete separate Questionnaire forms and submit).
9. If the offer is "Vat Inclusive", the VAT registration number of service provider must be indicated and if a service provider is not a VAT Vendor but include VAT in its prices, the successful service provider will be given 21 days to register as a VAT Vendor with SARS, after the issuing of an appointment letter. If a bidder is a VAT vendor/registered, the bidder is required to explicitly state the VAT amount. VAT vendors must include VAT at 15% in the bid offer(s).
10. If the Bid Sum (amount in words) differ from the Bid Sum (amount in figures), the Bid Sum (amount in words) will govern.
11. Resolution to Sign (must be completed, if applicable).
12. Declaration of Employees of the State or other State Institutions.
13. Only one offer per bidder is allowed and alternative offers will not be considered. If more than one offer is received, none of the offers will be considered.
14. Certificate of Authority for Joint Ventures (if applicable). In the case of a joint venture, a signed JV agreement stating the share interest or percentage of each partner should also be made available to the department by the JV



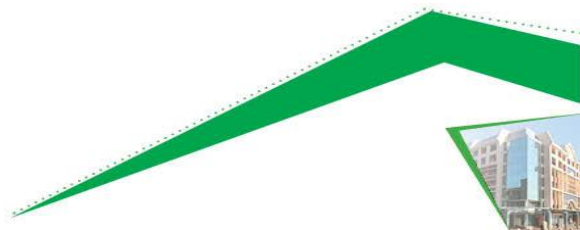
15. Bidders must attend the Compulsory Bid Briefing or Information Meeting and be recorded as such in the register. It is the bidder's responsibility to ensure that he/she fills in the attendance register.
16. A bidder must submit a valid Company's PSIRA (Private Security Industry Regulatory Authority) registration certificate. Only New PSIRA certified certificate copies will be accepted. (Certification must not be older than 90 days), or a PSIRA issued Digital Certificate with verifiable barcode. Only registered service providers will be considered. The bidder whose registration is in process or has been suspended or withdrawn by PSIRA at the time of submission of the bid documents will be disqualified.
17. A bidder must submit a Letter of Good Standing (COIDA) from the Department of Bid Prices must include overheads costs.
18. A bidder must submit a valid letter of Good Standing issued by PSIRA.
19. A bidder must submit, from the Department of Labour, a valid COIDA certificate. (Compensation of Occupational Injury and Diseases act)
20. A bidder must submit, from the Department of Labour, a valid certificate of compliance for UIF (Unemployment Insurance Fund).

Other Conditions of bid (Non eliminating unless expressly mentioned in the document):

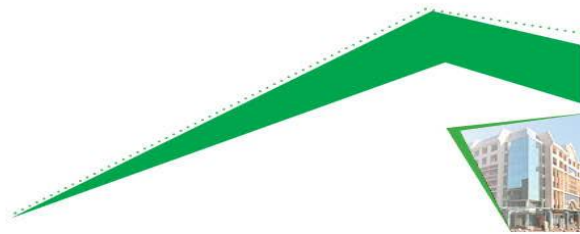
1. DPWI Policy applies.
2. Returnable Schedule: SBD1-Invitation to bid must be completed and signed
3. The bidder must be registered on the Central Supplier Database (CSD) prior the award
4. All bidders' tax matters must be in order prior award. Bidders' tax matters will be verified through CSD. In cases where the bidder's status is found non-compliant, the bidder will be granted 7 working days to correct the status. A bidder that fails to rectify its tax matters with SARS will be declared non-responsive.
5. Bidders need to complete and sign SBD 6.1 to claim points for specific goals. Failure will lead to the non-awarding of points for specific goals.
6. Bidders must submit a minimum of three (3) written contactable references for projects successfully completed in the past (clearly indicating client name, contract value, contract term, contact person, contact details). Refer to Annexure I and Annexure M. This is not an elimination factor, but important for the department to make a decision. Unless it is used for Quality/functionality Points.
7. Bidders must submit a list of projects where he or she has submitted tender offers, but tender results have not been confirmed by the client. Refer to Annexure L. This is not an elimination factor, but important for the department to make a decision. Unless it is used for Quality/functionality Points.
8. Bidders must submit their company profiles, list of available resources, plant and machinery and any other additional capacity with the bid. Refer to Annexure K and H. This is not an elimination factor, but important for the department to make a decision. Unless it is used for Quality/functionality Points.
9. The bidder must also list all projects where there are pending litigations or litigations have been concluded. The form for this is also attached after Annexure J.
10. The Department will contract with the successful bidder by signing a formal contract.
11. This tender will be awarded as a whole. All trades listed in the Bills of Quantities or Pricing schedule must be priced for (except provisional sums and allowances which also need to be added to the total), failure to do so will increase commercial risk of the bid and may lead to elimination or passing over of the bidder.
12. Wherever a brand name is specified in this document (i.e. specifications, pricing schedule, bill of quantities or anywhere), the department requires an item similar/equivalent or better.
13. Protection of personal information: Consent (POPIA)
14. The successful tenderer (after being informed) will be required to bring along an unsigned copy of the form of contract to be signed by parties (e.g. GCC 2025)
15. The successful bidder will be held responsible for any damage or loss suffered by the Department as result of the bidder negligence or wilful action in the ordinary execution of their duty. The bidder must therefore submit an existing Public Liability Policy contract or a letter of intent of taking out insurance from



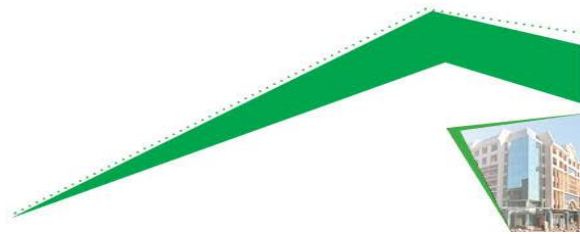
	the Insurance Company or Broker and must be submitted as part of the returnable. Before resuming with the work, the company must submit the insurance policy contract for this service. PHASE THREE: EVALUATION POINTS ON PRICE AND SPECIFIC GOALS The 80/20 preference point system shall be applied for the purposes of this bid as per the requirements of the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000) and Preferential Procurement Regulations 2022 <table><tr><td>Criteria</td><td>Points</td></tr><tr><td>POINTS ON PRICE</td><td>80</td></tr><tr><td>SPECIFIC GOALS</td><td>20</td></tr><tr><td>TOTAL</td><td>100</td></tr></table> The 90/10 preference point system for acquisition of services, works or goods exceeding Rand value of R50 million: (a) The following formula must be used to calculate the points for price in respect of tenders (including price quotation) with a Rand value equal to, or above R 30 000 and up to Rand value of R 50 000 000 (all applicable taxes included): The financial offer will be scored using the following formula: $A = (1 - (P - P_m))$ P_m The value of value of W1 is: 21. 90 where the financial value inclusive of VAT of all responsive tenders received have a value in excess of R50 000 000 or 22. 80 where the financial value inclusive of VAT of one or more responsive tender offers have a value that equals or is less than R 50 000 000.	Criteria	Points	POINTS ON PRICE	80	SPECIFIC GOALS	20	TOTAL	100										
Criteria	Points																		
POINTS ON PRICE	80																		
SPECIFIC GOALS	20																		
TOTAL	100																		
5.7.3	The procedure for the evaluation of responsive tenders is Method 3 (Functionality, Administrative Compliance, price and preference)																		
5.7.4	The quality criteria and maximum score in respect of each of the criteria are as follows: <table><tr><td colspan="3">The quality criteria and maximum score in respect of each of the criteria are as follows:</td></tr><tr><td>Quality Criteria</td><td>Description</td><td>Maximum Score</td></tr><tr><td>Project relevant experience</td><td>Work experience in CCTV and access installation</td><td>15</td></tr><tr><td>Human Resources</td><td>Competent staff for the project</td><td>25</td></tr><tr><td>Methodology on the provision and maintenance of access control and CCTV installation</td><td>Methodology on installation and commissioning approach Methodology on maintenance of the installation for the stated duration</td><td>10</td></tr><tr><td>Maximum points</td><td></td><td>50 points</td></tr></table>	The quality criteria and maximum score in respect of each of the criteria are as follows:			Quality Criteria	Description	Maximum Score	Project relevant experience	Work experience in CCTV and access installation	15	Human Resources	Competent staff for the project	25	Methodology on the provision and maintenance of access control and CCTV installation	Methodology on installation and commissioning approach Methodology on maintenance of the installation for the stated duration	10	Maximum points		50 points
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Methodology on the provision and maintenance of access control and CCTV installation	Methodology on installation and commissioning approach Methodology on maintenance of the installation for the stated duration	10																	
Maximum points		50 points																	
5.7.5	Each evaluation criteria will be assessed in terms of 3 indicators – N/A																		



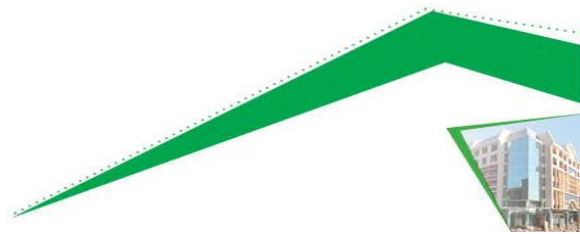
5.7.6	The prompts for judgment and the associated scores used in the evaluation of quality shall be as follows: N/A
5.8	Tender offers will only be accepted if: a) the tenderer is registered on the Central Supplier Database (CSD) for the South African government (see https://secure.csd.gov.za/) unless it is a foreign supplier with no local registered entity b) the tenderer is in good standing with SARS according to the Central Supplier Database. Bidders must submit a CSD no. or tax status compliance pin. c) the preferred tenderer will be required to submit an approved insurer undertaking to provide the Performance Bond / Guarantee / Surety / Security to format and/or standard as per DPWI policy. d) the tenderer or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector. e) the tenderer has not: i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect. f) the tenderer has completed the Compulsory Declaration and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process. g) the tenderer has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process and persons in the employ of the state are permitted to submit tenders or participate in the contract. h) Bids which are late, incomplete, unsigned or submitted by facsimile or electronically will not be accepted. i) the tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer. j) The tenderer undertakes to maximize the sourcing of building material or infrastructure input material from Eastern Cape based suppliers or manufacturers. k) the employer is reasonably satisfied that the tenderer has in terms of the Construction Regulations, 2014, issued in terms of the Occupational Health and Safety Act, 1993, the necessary competencies and resources to carry out the work safely. l) the tender has offered a market related offer. If the offer is believed not to be market related, the department through its Supply Chain Management bid committees will attempt to negotiate the offer with identified bidder/s to a reasonable amount. Bidders are not allowed to increase their tender offers during this process. m) A Resolution of signatory form has been completed and signed by director/s or a letter bearing a letterhead of the tenderer has been attached (specific to this bid) to the bid submission; it must be duly signed by all directors and submitted the bid. Only a duly authorized official can sign the bid. n) Prospective bidders must register on CSD prior submitting bids (open tenders). Any prospective bidder found to have Tax matters not in order with SARS (verified through CSD) during the evaluation process (after being given an opportunity to rectify tax matters) will be eliminated and not be considered further in the process. Preferred bidder/s will be afforded an opportunity to rectify their tax affairs within 7 days. A bidder that fails to rectify its tax matters with SARS will be eliminated. o) NOTE: The amount reflected on the Form of Offer and Acceptance takes precedence over any other total amount indicated elsewhere in bidder's tender submission. If the Form of Offer and Acceptance has no value or figure, the bidder will be regarded as having made no offer. p) The department reserves the right not to award the bid to the most favorable tenderer, if any of the situations occur: if it is not assisting in the advancement of designated groups; risk profile of the favorable firm is too high; the bidder has been awarded a considerable number of projects by the department or provincial government; has performed unsatisfactorily in the past, etc.
5.9	The number of paper copies of the signed contract to be provided by the employer is 1.
	The additional conditions of tender are:



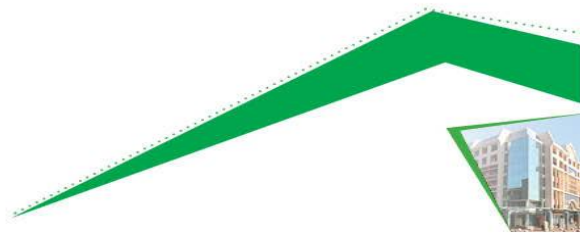
	• Wherever a brand name is specified in this document (i.e. specifications, pricing schedule, bill of quantities or anywhere), the department requires an item similar/equivalent or better. • The department will require verifying registration status of the entity with PSIRA; in that regard the bidders must consent to the department to request the information. • The previous performance of the bidder will be considered in the evaluation of the bid. • Financial standing of the bidder will be considered for risk analysis and bidders are required to submit documentary proof to demonstrate financial stability in the form of: (a) Letter of good standing and/or proof from the financial institution indicating a positive rating must be attached or. • The successful service provider might be required to undergo control and restraining training offered by the Client (DPWI / DoH). • IN-LOCO INSPECTION -Before award, all bidders' sites that have passed all phases of evaluation will be visited, an In-Loco inspection will be conducted as follows: (a) Verification of the bidder's office / address. (b) Site visit to site when the security system (CCTV and Access Control) was / has been installed and the proximity the bidder's office. • All shortlisted bidders (BAC Level) may be subjected to screening by State Security Agency (SSA)
T.2.1	A. List of returnable documents
1	Documentation to demonstrate eligibility to have tenders evaluated i.e. List all documentation to demonstrate eligibility to have a submission evaluated. • Appropriate PSIRA registration suitable for the works (as stated in 4.1).
2	Returnable Schedules required for tender evaluation purposes The tenderer must fully and appropriately complete and sign the following returnable schedules as relevant: • Record of Addenda to Tender Documents • Proposed amendments and qualifications • Compulsory Enterprise Questionnaire (JV partners must complete separate Questionnaire forms and submit). • SBD 1, 4 & 6.1 • Form of Offer and Acceptance • Protection of personal content: Consent • Final Summary of Bills of Quantities or a complete Pricing Schedule • Certificate of Authority for Joint Ventures • Project reference forms for functionality. • Certified CV's and relevant Certificates.
3	Other documents required for tender evaluation purposes The tenderer must provide the following returnable documents: • A CSD Report for a tender with valid and correct information. • A letter if good standing from the Compensation Fund or a licensed insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act 1993 (Act No. 130 of 1993)
4	Returnable Schedules that will be used for tender evaluation purposes and be incorporated into the contract The tenderer must complete the following returnable documents: • A duly completed form of Offer and Acceptance (and any revision of prices if there are any).
5	Only authorized signatories may sign the original and all copies of the tender offer where required. • In the case of a ONE-PERSON CONCERN submitting a tender, this shall be clearly stated.



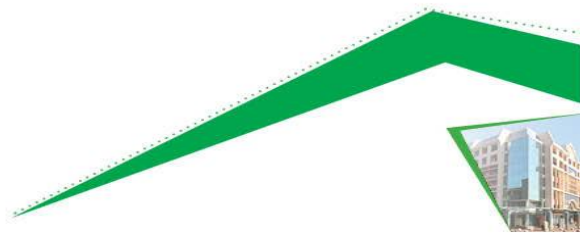
	- In the case of a COMPANY submitting a tender, include a copy of a resolution by its board of directors authorizing a director or other official of the company to sign the documents on behalf of the company. - In the case of a CLOSE CORPORATION submitting a tender, include a copy of a resolution by its members authorizing a member or other official of the corporation to sign the documents on each member's behalf. - In the case of a PARTNERSHIP submitting a tender, all the partners shall sign the documents, unless one partner or a group of partners has been authorized to sign on behalf of each partner, in which case proof of such authorization shall be included in the Tender. - In the case of a JOINT VENTURE/CONSORTIUM submitting a tender, include a resolution of each company of the joint venture together with a resolution by its members authorizing a member of the joint venture to sign the documents on behalf of the joint venture. JV NOT APPLICABLE. <u>Accept that failure to submit proof of authorization to sign the tender shall result in the tender offer being regarded as non-responsive.</u>
6	Information and data to be completed in all respects Accept that tender offers, which do not provide all the data or information requested completely and, in the form, required, may be regarded by the employer as nonresponsive.
7	Canvassing and obtaining of additional information by tenderers The Tenderer shall not make any attempt either directly or indirectly to canvass any of the Employer's officials or the Employer's agent in respect of his tender, after the opening of the tenders but prior to the Employer arriving at a decision thereon. The Tenderer shall not make any attempt to obtain particulars of any relevant information, other than that disclosed at the opening of tenders.
8	Prohibitions on awards to persons in service of the state The Employer is prohibited to award a tender to a person - - who is in the service of the state; or - if that person is not a natural person, of which any director, manager, principal shareholder or stakeholder is a person in the service of the state; or - a person who is an advisor or consultant contracted with the Department or municipal entity. In the service of the state means to be - - a member of: - - any municipal council; - any provincial legislature; or - the National Assembly or the National Council of Provinces; - a member of the board of directors of any municipal entity; - an official of any Department or municipal entity; - an employee of any national or provincial department; - provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999); - a member of the accounting authority of any national or provincial public entity; or - an employee of Parliament or a provincial legislature. In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in part T2 of this procurement document must be completed.
9	Awards to close family members of persons in the service of the state Accept that the notes to the Employer's annual financial statements must disclose particulars of any award of more than R2000 to a person who is a spouse, child or parent of a person in the service of the state (defined



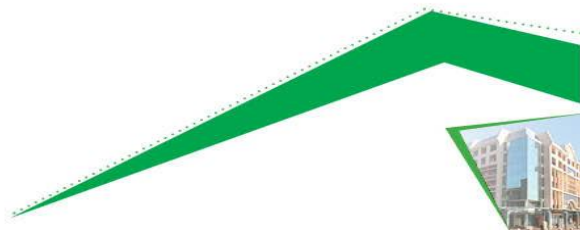
	in clause 8 above), or has been in the service of the state in the previous twelve months, including - a) the name of that person; b) the capacity in which that person is in the service of the state; and c) the amount of the award. In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in part T2 of this procurement document must be completed.
10	Respond to requests from the tenderer The employer will respond to requests for clarification up to 7 (Seven) working days before the tender closing time.
11	Opening of tender submissions Tenders will be opened immediately after the closing time for tenders
12	Scoring quality / functionality: Scoring 70% and more will be evaluated further.
13	Cancellation and re-invitation of tenders An organ of state may, prior to the award of the tender, cancel the tender if- (a) due to changed circumstances, there is no longer a need for the services, works or goods requested; or (b) funds are no longer available to cover the total envisaged expenditure; or (c) no acceptable tenders are received. (d) Tender validity period has expired. (e) Gross irregularities in the tender processes and/or tender documents. (f) No market related offer received (after attempts of negotiation processes) Where applicable, the decision to cancel the tender will be published in the DPWI website and in the Tender Bulletin or the media in which the original tender invitation as advertised.
14	Dispute resolution mechanism will be done through the Adjudication route.
15	The department must when acting against the tenderer or person awarded the contract on a fraudulent basis, considers the provisions of Regulation 14: The remedies provided for in Preferential Procurement Regulations 2022 do not prevent an institution from instituting remedies arising from any other prescripts or contract.
16	Where the employer terminates the contract due to default of the appointed company in whole or in part, the employer may decide to: a) Refer the breach in contract to the PSIRA for investigation as a breach of the PSIRA Code of Conduct in terms of the PSIRA Regulations; or b) may impose a restriction penalty on the appointed company in terms of Section 14 of the Preferential Procurement Regulations. The outcomes of such investigations in terms of both the PSIRA Regulations and the Preferential Procurement Regulations may prohibit the company from doing business with the public sector for a period not exceeding 10 years.



PART T2: RETURNABLE DOCUMENTS



PART 2.1: LIST OF RETURNABLE DOCUMENTS



T2.1 List of Returnable Documents

The tenderer must complete the following returnable documents:

1 Returnable Schedules required for bid evaluation purposes

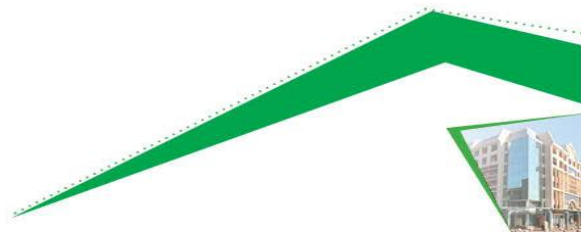
- Compulsory enterprise questionnaire (In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted).
- Record of addenda issued (Only if addenda is issued)
- Certificate of authority for joint ventures (Only where the tender/ quotation is submitted by a joint venture)

2 Other documents required for bid evaluation purposes

- Form of Offer and Acceptance
- Complete Priced Bills of Quantities & Final Summary

3 Returnable Schedules that will be incorporated into the contract

- Details of the Project Team and CV with Qualifications & Proof of Registration completed for each individual of proposed
- Schedule of Plant and Equipment
- Record of projects: current, past and on tender.
- Project References – at least 3
- SBD 1, 4 & 6.1
- Protection of personal content: Consent

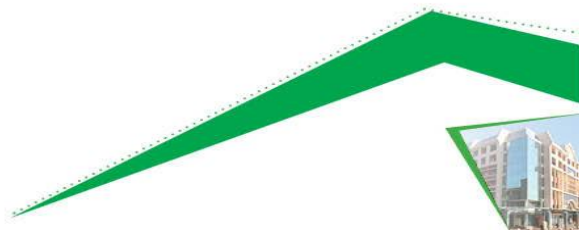


SBD 1

PART A

INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE EASTERN CAPE DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE					
BID NUMBER:	SCMU5-26/27-0053		CLOSING DATE:	13 OCTOBER 2026	CLOSING TIME: 11H00
DESCRIPTION:	APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCCES CONTROL AT FORTENGLAND PSYCHIATRIC HOSPITAL.				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT:					
DEPARTMENT OF PUBLIC WORKS& INFRASTRUCTURE, GROUND FLOOR, OLD FORD HOUSE BUILDING, 55 ALBANY ROAD, CENTRAL, GQEBERHA.					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON			CONTACT PERSON	Ms Lizeka Kopolo	
TELEPHONE NUMBER			TELEPHONE NUMBER	082 520 1533	
FACSIMILE NUMBER	N/A		FACSIMILE NUMBER	N/A	
E-MAIL ADDRESS	supply.chain@ecdpcw.go.za		E-MAIL ADDRESS	Lizeka.Kopolo@ecdpcw.gov.za	
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES OFFERED?		☐ Yes ☐ No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?			☐ YES ☐ NO		
DOES THE ENTITY HAVE A BRANCH IN THE RSA?			☐ YES ☐ NO		
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?			☐ YES ☐ NO		
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?			☐ YES ☐ NO		
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?			☐ YES ☐ NO		
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					



PART B

TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.**
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
- 1.4. **THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).**

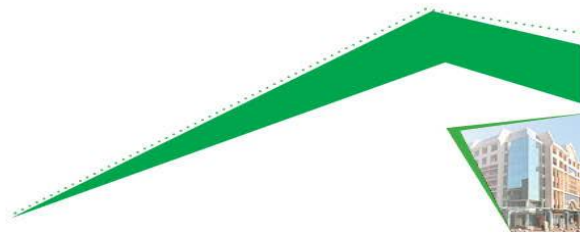
2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER. **NOT APPLICABLE.**
- 2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
- 2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g. company resolution)

Date :



Compulsory Enterprise Questionnaire

A

Compulsory Enterprise questionnaire

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: Cidb registration number, if any:

Section 4: Particulars of sole proprietors and partners in partnerships

Name*	Identity number*	Personal income tax number*

* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners

Section 5: Particulars of companies and close corporations

Company registration number

Close corporation number Tax
reference number

Section 6: The attached SBD 4 must be completed for each tender and be attached as a tender requirement.

Section 7: The attached SBD 6.1 must be completed for each tender and be attached as a requirement.

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise:

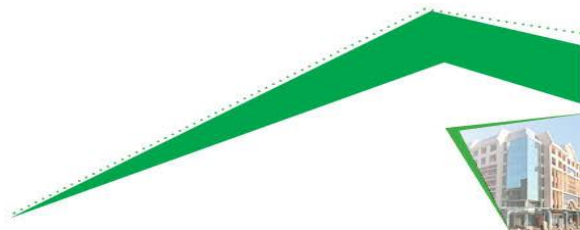
- authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;
- confirms that neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004; iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
- confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed

Date

Name

Position



SBD 4

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

1.1 Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa, 1996 (Constitution), and further expressed in the various applicable legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

1.2 If a person is listed in the Register for Tender Defaulters and/or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

1. DECLARATION ON EMPLOYMENT BY ORGAN OF STATE

2.1 Is the bidder, or any of the directors / trustees / shareholders / members / partners of the bidder employed by an organ of state, as defined in section 239 of the Constitution? **YES/NO**

2.1.1 If YES, furnish particulars of the names, individual identity numbers, in the table below:

Full Name	Identity Number	Name of organ of state	

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

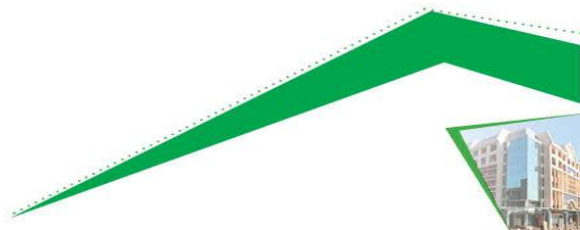
.....
.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, indicate all companies registered in the CSD in the table below:

Supplier registration number (MAAA)	Status (active/inactive/deleted)

Failure to disclose all CSD-registered active companies linked to all Directors will lead to disqualification.



2 DECLARATION

I,, the undersigned, in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium¹ will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.5 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.6 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.7. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE ABOVE IS CORRECT.

I ACCEPT THAT THE PROCURING INSTITUTION MAY REJECT THE BID OR TAKE APPROPRIATE ACTION AGAINST ME IF THIS DECLARATION IS FALSE.

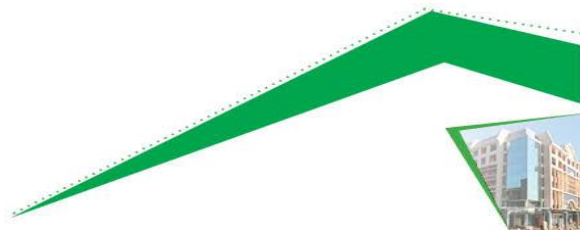
.....
Signature

.....
Date

.....
Designation

.....
Name of bidder

¹ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.



SBD 6.1

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 To be completed by the organ of state

- a) The applicable preference point system for this tender is the 80/20 preference point system.
- b) The lowest acceptable tender will be used to determine the accurate system once tenders are received.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- a) Price; and
- b) Specific goals

1.4 To be completed by the organ of state:

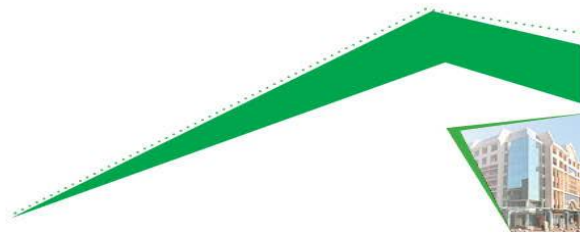
	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for PRICE and SPECIFIC GOALS	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

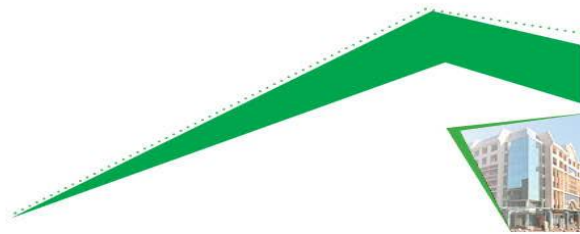
- (a) “**tender**” means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) “**price**” means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;



- 4.2 In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,
 - then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.
(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.)

The specific goals allocated points in terms of this tender		Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Historically Disadvantaged Individual:-			
	(a) 100% black ownership	6	
	(b) 51% to 99% black ownership	4	
	(c) Less than 51% black ownership	0	
Black women ownership:-			
	(a) 100% black women ownership	4	
	(b) 30% to 99% black women ownership	2	
	(c) Less than 30% black women ownership	0	
Locality			
	(a) Within the Eastern Cape	4	
	(b) Outside the Eastern Cape	0	
Black youth ownership:-			
	(a) 100% black youth ownership	4	
	(b) 30% to 99% black youth ownership	2	
	(c) Less than 30% black youth ownership	0	
Military Veterans ownership			
	(a) 100% military veterans' ownership	2	
	(b) 30% to 99% ownership	1	
	(c) Less than 30% ownership	1	



DECLARATION WITH REGARD TO COMPANY/FIRM

4.3 Name of company/firm.....

4.4 Company registration number:

4.5 TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
 - One-person business/sole propriety
 - Close corporation
 - Public Company
 - Personal Liability Company
 - (Pty) Limited
 - Non-Profit Company
 - State Owned Company
- [TICK APPLICABLE BOX]

4.6 I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that: i) The information furnished is true and correct;

- i. The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- ii. In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the appointed company may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iii. If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –

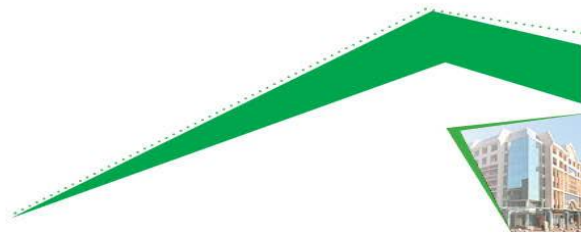
- a) disqualify the person from the tendering process;
- b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
- c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
- d) recommend that the tenderer, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
- e) forward the matter for criminal prosecution, if deemed necessary.

SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

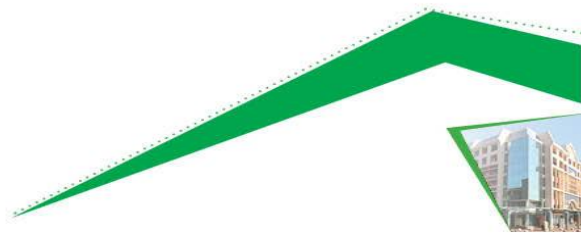
DATE:

ADDRESS:

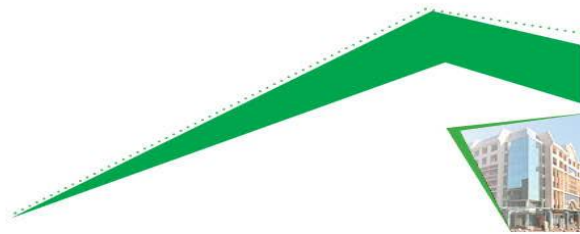


PROOF OF REGISTRATION ON THE NATIONAL TREASURY CENTRAL SUPPLIER DATABASE (CSD REPORT)

(ATTACH HERE)



**VALID PSIRA CERTIFICATE OF A TENDERER
(ATTACH HERE)**



PROTECTION OF PERSONAL INFORMATION: CONSENT (POPIA)

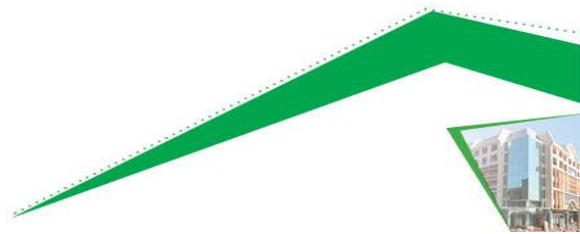
The introduction of The Protection of Personal Information Act (POPIA) ensures the regulation of personal information through its entire life cycle of collection, transfer, storing and deletion. As part of its business activities, the Department of Public Works and Infrastructure obtains and requires access to personal data from a wide range of internal and external parties, including without limitation bidders who respond to requests for proposals that are published by the Department of Public Works and Infrastructure from time to time. The Department of Public Works and Infrastructure confirms that it shall process the information disclosed by Bidders for the purpose of evaluating and subsequently awarding/appointing a successful Bidder.

The Department of Public Works and Infrastructure hereby states that it does not and will never modify, amend, or alter any personal information submitted to it by a Bidder. Not unless directed to do so by an order of court, the Department of Public Works and Infrastructure does not disclose or permit the disclosure of any personal information to any Third Party without the prior written consent of the owner of the information.

Similarly, Bidders will from time-to-time access and be seized with information of a personal nature pertaining to the Department of Public Works and Infrastructure. Some of the information may because of legislative compliances be available in the public domain, whilst some is uniquely provided to bidders in pursuit of procurement or other business-related activities. In this regard, the Department of Public Works and Infrastructure requires that Bidders which receive or have access to its personal information, process any such information in a manner compliant with the requirements of the POPIA.

AGREEMENT

1. The Department of Public Works and Infrastructure and the Bidder (the Parties) agree and undertake that upon obtaining and having access to personal information relating to either of them, they shall always ensure that:
 - a) They process the information only for the express purpose for which it was obtained.
 - b) Information is provided only to designated and authorized personnel who require the personal information to carry out the Parties' respective obligations in terms of the Procurement processes.
 - c) They will introduce, and implement all reasonable measures ensure the protection of all personal information from unauthorized access and/or use.
 - d) They have taken appropriate measures to safeguard the security, integrity, and authenticity of all personal information in its possession or under its control.
 - e) The Parties agree that if personal information will be processed for any other purpose other than the one for which the accessing of the information was intended, explicit written consent will be obtained prior to the execution of such reason.
 - f) The Parties shall carry out regular assessments to identify all reasonably foreseeable internal and external risks to the interception of personal information in its possession or under its control and shall implement and maintain appropriate controls in mitigation of such risks.
2. The Parties agree that they will promptly return or destroy any personal data in their possession or control which belongs to the other Party once it no longer serves the purpose for which it was collected, subject to any legal retention requirements. The information will be destroyed in such a manner that it cannot be reconstructed to its original form, linking it to any individual or organization.
3. Bidder's Obligations



- a) The Bidder is required to notify the Information Officer of Department of Public Works and Infrastructure, in writing as soon as possible after it becomes aware of or suspects any loss, unauthorized access or unlawful use of any of the Department of Public Works and Infrastructure's personal information.
- b) The Bidder shall, at its own cost, promptly and without delay take all necessary steps to mitigate the extent of the loss or compromise of personal data.
- c) The Bidder shall be required to provide the Department of Public Works and Infrastructure with details of the persons affected by the compromise and the nature and extent of the compromise, including details of the identity (if known) of the unauthorized person who may have accessed or acquired the personal data.
- d) The Bidder undertakes to co-operate with any investigation relating to security breach which is carried out by or on behalf of Department of Public Works and Infrastructure.

On behalf of the Bidder:

.....
Signature

.....
Date

.....
Position

.....
Name of the Bidder

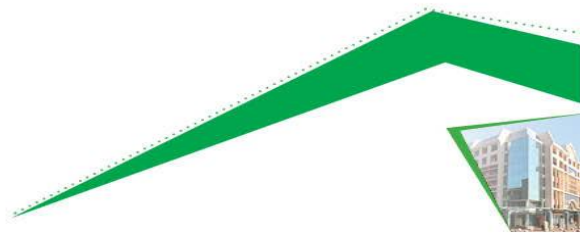
On behalf of the Client:

.....
Signature

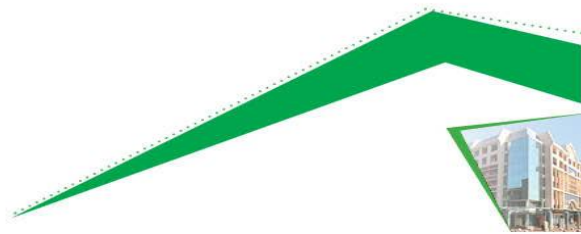
.....
Date

.....
Position

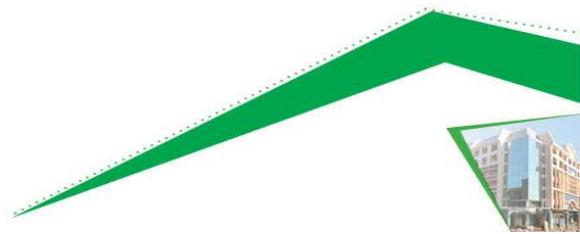
.....
Name of Client Representative



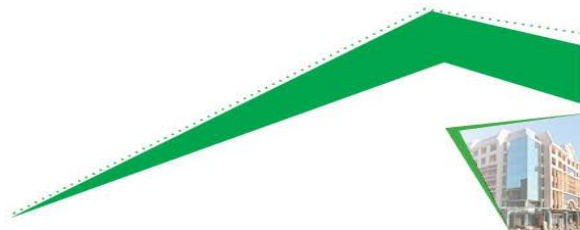
THE CONTRACT



PART C1: AGREEMENTS AND CONTRACT DATA



PART C1.1: FORM OF OFFER AND ACCEPTANCE



Annex C
(normative)

FORM OF OFFER AND ACCEPTANCE

Project title	APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL
SCMU number	SCMU5-26/27-0053

OFFER

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of: **APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL**

.....
The tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the tenderer offers to perform all of the obligations and liabilities of the contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS

.....
..... Rand (in words);
R (in figures) (or
other suitable wording)

This offer may be accepted by the employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the tenderer before the end of the period of validity stated in the tender data, whereupon the tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

Signature

Name

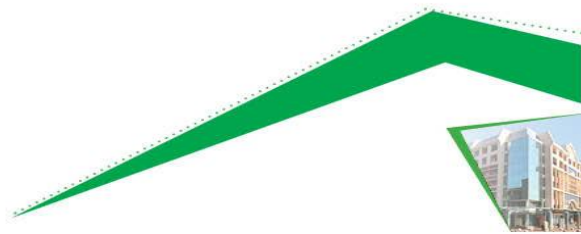
Capacity

**for the
tenderer**

(Name and address of organization)

Name and signature

of witness Date



ACCEPTANCE

By signing this part of this form of offer and acceptance, the employer identified below accepts the tenderer's offer. In consideration thereof, the employer shall pay the contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the tenderer's offer shall form an agreement between the employer and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement. The terms of the contract, are contained in:

Part C1 Agreements and contract data, (which includes this agreement)
Part C2 Pricing data
Part C3 Scope of work.
Part C4 Site information and drawings and documents or parts thereof, which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the returnable schedules as well as any changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this form of offer and acceptance. No amendments to or deviations from said documents are valid unless contained in this schedule.

The tenderer shall within 3 weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the employer's agent (whose details are given in the contract data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the tenderer (now contractor) within five working days of the date of such receipt notifies the employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.¹

Signature

Name

Capacity

**for the
Employer**
(Name and address of organization)

Name and signature

of witness Date

Schedule of Deviations

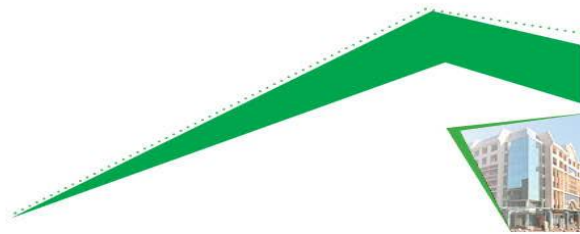
1 Subject

Details
.....

2 Subject

Details
.....

3 Subject



Details

4 Subject _____

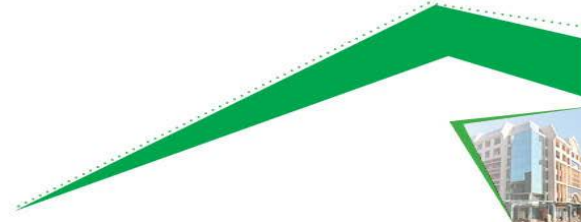
Details

By the duly authorised representatives signing this agreement, the employer and the tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender/ quotation documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

¹ As an alternative, the following wording may be used:

Notwithstanding anything contained herein, this agreement comes into effect two working days after the submission by the employer of one fully completed original copy of this document including the schedule of deviations (if any), to a courier-to-counter delivery / counter-to-counter delivery / door-to-counter delivery /door-to-door delivery /courier service (delete that which is not applicable), provided that the employer notifies the tenderer of the tracking number within 24 hours of such submission. Unless the tenderer (now contractor) within seven working days of the date of such submission notifies the employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties



A

RECORD OF ADDENDA TO BID DOCUMENTS

PROJECT TITLE	APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL		
SCMU NUMBER	SCMU5-26/27-0053		
I / We confirm that the following communications received from the Department of Public Works & Infrastructure before the submission of this tender offer, amending the tender documents, have been taken into account in this bid offer: (Attach additional pages if more space is required)			
Item	Date	Title or Details	No. of Pages
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Attach additional pages if more space is required.

Signed _____ Date _____

Name _____ Position _____

Tenderer _____



B

PROPOSED AMENDMENTS AND QUALIFICATIONS

The Tenderer should record any deviations or qualifications he may wish to make to the tender documents in this Returnable Schedule. Alternatively, a tenderer may state such deviations and qualifications in a covering letter to his tender and reference such letter in this schedule.

The Tenderer's attention is drawn to clause 5.8 of SANS 10845-3 regarding the employer's handling of material deviations and qualifications.

PROJECT TITLE	APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL
SCMU NUMBER	SCMU5-26/27-0053

Page	Clause /Item	Proposal

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct

Signed

Date

Name

Position

Enterprise name



C

RESOLUTION FOR SIGNATORY

A: CERTIFICATE OF AUTHORITY FOR SIGNATORY

Signatory for companies shall confirm their authority hereto by attaching a duly signed and dated copy of the relevant resolution of the board of directors to this form or on company letter head.

An example is given below:

"By resolution of the board of directors passed at a meeting held on _____

Mr/Ms _____, whose signature appears below, has been duly authorised to

sign all documents in connection with the tender for Contract No. _____

and any Contract which may arise there from on behalf of (Block Capitals) _____

SIGNED ON BEHALF OF THE COMPANY: _____

IN HIS/HER CAPACITY AS: _____

DATE: _____

SIGNATURE OF SIGNATORY: _____

WITNESSES:

DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	

If you cannot complete this form, attach a separate sheet (in a company letter head, project specific and signed by all directors):



D

CERTIFICATE OF AUTHORITY FOR JOINT VENTURES

This Returnable Schedule is to be completed by joint ventures.

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorise Mr./Ms., authorised signatory of the company , acting in the capacity of lead partner, to sign all documents in connection with the tender offer and any contract resulting from it on our behalf.

PROJECT TITLE	APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL	
SCMU NUMBER	SCMU5-26/27-0053	
NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner:		Signature. Name Designation.....
.....		Signature. Name Designation.....
.....		Signature. Name Designation.....
.....		Signature. Name Designation.....



E

SCHEDULE OF PROPOSED SUBCONTRACTORS

PROJECT TITLE	APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL
SCMU NUMBER	SCMU5-26/27-0053
We notify you that it is our intention to employ the following Subcontractors for work in this contract. The Subcontractors will all be PSIRA registered and their PSIRA Registration number shall be submitted below. This should also be declared on SBD 6.1 form. If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of proposed subcontractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us. We confirm that all subcontractors who are or to be contracted are registered on Central Supplier Database (CSD).	

No.	Name and address of proposed Subcontractor	Nature and extent of work	Year completed	Value	Contact details
1					
2					



3					
4					
5					
The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct					



Signed

Date

Name

Position

Enterprise name



F

CAPACITY OF THE BIDDER

PROJECT TITLE	APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL
SCMU NUMBER	SCMU5-26/27-0053
WORK CAPACITY: (The Bidder is requested to furnish the following capacity particulars and to attach additional pages if more space is required. Failure to furnish the particulars may result in the Bid being disregarded.) <i>Please note CV's to be attached for functionality points.</i>	

Quantity / No. of Resources	Categories of Employee - Key Personnel (part of Business Enterprise)	Qualification.	Number of years experience.
	Technician		
	Assistant Technician		
The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct.			
Signed:		Date	
Name:		Position	
Enterprise Name:			



G

RELEVANT PROJECT EXPERIENCE – COMPLETED PROJECTS

Tenderers must submit a max one-page description of at least three projects successfully completed. **Attach a Completion Certificate for each of the project provided.**

The description of each project must include the following information:

1. Essential introductory information:
 - 1.1. Name of project.
 - 1.2. Name of client.
 - 1.3. Contact details of client.
 - 1.4. Contact details (including telephone numbers and email addresses) of currently contactable references.
 - 1.5. The period during which the project was performed, and also, if this is different, the period during which the tenderer's team members were contracted.
 - 1.6. Cost of works and/or contract value (making it clear in broad terms what this cost/value purchased, and to what extent (if any) this cost/value was part of a larger project budget or programme budget).

NO.	NAME OF PROJECT.	NAME OF CLIENT.	CONTACT DETAILS OF CLIENT.	PROJECT VALUE	DATE COMPLETED
1					
2					
3					

If there are more projects, attach a separate page to address this issue (the above table is just for reference purposes).

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct.

Signed.....

Date.....

Name.....

Position.....

Enterprise name.....



H

RELEVANT PROJECT EXPERIENCE – CURRENT PROJECTS

Tenderers must submit a max one-page description of at least three projects under construction/ on hold/ just handed over/ towards completion (if they exist). **Attach an Appointment letter for each of the project provided.**

The description of each project must include the following information:

2. Essential introductory information:

- 2.1. Name of project.
- 2.2. Name of client.
- 2.3. Contact details of client.
- 2.4. Contact details (including telephone numbers and email addresses) of currently contactable references.
- 2.5. The period during which the project was performed, and also, if this is different, the period during which the tenderer's team members were contracted.
- 2.6. Cost of works and/or contract value (making it clear in broad terms what this cost/value purchased, and to what extent (if any) this cost/value was part of a larger project budget or programme budget).

NO.		NAME OF PROJECT.	NAME OF CLIENT.	CONTACT DETAILS OF CLIENT	PROJECT VALUE	STAGE OF PROJECT
1						
2						
3						

Attach a separate page to address this issue (the above table is just for reference purposes).

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct.

Signed

Date

Name

Position

Enterprise name



I

OTHER OFFERS SUBMITTED AT TIME OF THIS TENDER FOR WHICH RESULTS ARE PENDING (if they exist)

(Any other client's tender must also be included)

BID NO. / PROJECT NUMBER	PROJECT NAME	CLIENT NAME & CONTACT NO.	VALUE TENDERED IN RANDS	DATE SUBMITTED	CONTACT DETAILS (CLIENT)
1					
2					
3					
4					

If there are more projects, attach a separate page to address this issue (the above table is just for reference purposes).

Signed

Date

Name

Position

Enterprise name



J

SCHEDULE OF TENDERER'S LITIGATION HISTORY

The tenderer shall list below details of any litigation with which the tenderer (including its directors, shareholders or other senior members in previous companies) has been involved with any organ of state or state department within the last ten years. The details must include the year, the litigating parties, the subject matter of the dispute, the value of any award or estimated award if the litigation is current and in whose favour the award, if any, was made.

NO.	NAME OF CLIENT.	OTHER LITIGATING PARTY	BRIEF DETAILS OF DISPUTE	PROJECT VALUE	DATE RESOLVED OR STATUS OF LITIGATION
1					
2					
3					
4					

Signed

Date

Name

Position

Tenderer name



K

Project Reference Forms - 1

Project title:	APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL
Project Number:	SCMU5-26/27-0053

NOTE: This returnable document must be completed by the person who was the Principal Agent/Project Manager on a project of similar value and complexity that was completed successfully by the tenderer.

I, _____ (name and surname) of
_____ (company name) declare

that I was the Project Manager on the following building construction project successfully executed by _____ (name of tenderer):

Project name: _____

Project location: _____

Construction period: _____ Completion date: _____

Contract value: _____

A. Please evaluate the performance of the Tenderer on the abovementioned project, on which you were the principal agent, by inserting "Yes" in the relevant box below:

Key Performance Indicators	Very Poor 1	Poor 2	Fair 3	Good 4	Excellent 5	Total
1. Project performance / time management / programming						
2. Quality of workmanship						
3. Resources: Personnel						
4. Resources: Plant						
5. Financial management / payment of subcontractors / cash flow, etc						
TOTAL						

B. Would you consider / recommend this tenderer again:

YES	NO
☐	☐

C. Any other comments:

D. My contact details are:



Telephone: _____ Cellphone: _____ Fax: _____

E-mail: _____

Thus signed at _____ on this _____ day of _____ 2026.

Signature of principal agent

COMPANY STAMP

NOTE:

If reference cannot be verified due to the inability to get hold of the referee or failure on his/her part to respond to a written request to do so, that reference will not score any points. It is the responsibility of the tenderer to put referees who are reachable.

Name of Tenderer

Signature of Tenderer

Date



Project Reference Forms - 2

Project title:	APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL
Project Number:	SCMU5-26/27-0053

NOTE: This returnable document must be completed by the person who was the Principal Agent/Project Manager on a project of similar value and complexity that was completed successfully by the tenderer.

I, _____ (name and surname) of
_____ (company name) declare

that I was the Project Manager on the following building construction project successfully executed by _____ (name of tenderer):

Project name: _____

Project location: _____

Construction period: _____ Completion date: _____

Contract value: _____

A. Please evaluate the performance of the Tenderer on the abovementioned project, on which you were the principal agent, by inserting "Yes" in the relevant box below:

Key Performance Indicators	Very Poor 1	Poor 2	Fair 3	Good 4	Excellent 5	Total
1. Project performance / time management / programming						
2. Quality of workmanship						
3. Resources: Personnel						
4. Resources: Plant						
5. Financial management / payment of subcontractors / cash flow, etc						
TOTAL						

B. Would you consider / recommend this tenderer again:

YES	NO

C. Any other comments:

D. My contact details are:



Telephone: _____ Cellphone: _____ Fax: _____

E-mail: _____

Thus signed at _____ on this _____ day of _____ 2026.

Signature of principal agent

COMPANY STAMP

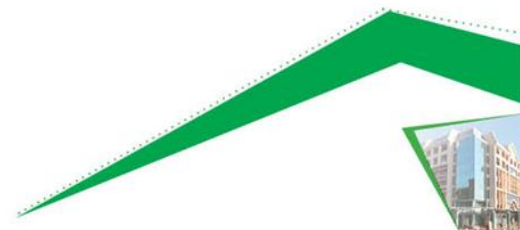
NOTE:

If reference cannot be verified due to the inability to get hold of the referee or failure on his/her part to respond to a written request to do so, that reference will not score any points. It is the responsibility of the tenderer to put referees who are reachable.

Name of Tenderer

Signature of Tenderer

Date



Project Reference Forms - 3

Project title:	APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL
Project Number:	SCMU5-26/27-0053

NOTE: This returnable document must be completed by the person who was the Principal Agent/Project Manager on a project of similar value and complexity that was completed successfully by the tenderer.

I, _____ (name and surname) of
_____ (company name) declare

that I was the Project Manager on the following building construction project successfully executed by _____ (name of tenderer):

Project name: _____

Project location: _____

Construction period: _____ Completion date: _____

Contract value: _____

A. Please evaluate the performance of the Tenderer on the abovementioned project, on which you were the principal agent, by inserting "Yes" in the relevant box below:

Key Performance Indicators	Very Poor 1	Poor 2	Fair 3	Good 4	Excellent 5	Total
1. Project performance / time management / programming						
2. Quality of workmanship						
3. Resources: Personnel						
4. Resources: Plant						
5. Financial management / payment of subcontractors / cash flow, etc						
TOTAL						

B. Would you consider / recommend this tenderer again:

YES	NO

C. Any other comments:

D. My contact details are:



Telephone: _____ Cellphone: _____ Fax: _____

E-mail: _____

Thus signed at _____ on this _____ day of _____ 2026.

Signature of principal agent

COMPANY STAMP

NOTE:

If reference cannot be verified due to the inability to get hold of the referee or failure on his/her part to respond to a written request to do so, that reference will not score any points. It is the responsibility of the tenderer to put referees who are reachable.

Name of Tenderer

Signature of Tenderer

Date



1. BASELINE RISK ASSESSMENT

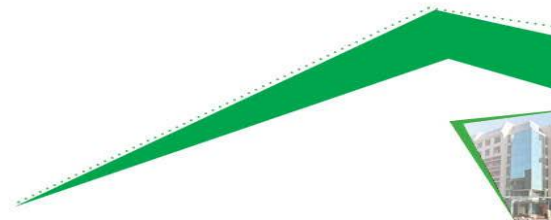
PROJECT TITLE	APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL
SCMU NUMBER	SCMU5-26/27-0053
<i>PLEASE NOTE THAT THIS IS A BASELINE RISK ASSESSMENT AND NOT A DETAILED RISK ASSESSMENT OF ALL ANTICIPATED ACTIVITIES ON SITE</i>	

Activity	Risk to Safety	Risk to Health	Risk to Environmental	Risk to Public Safety	Control Measures
Brickwork	Physical injury, Fatality				PPE, Use of Scaffolding
Roofing	Physical injury, Fatality				PPE, Use of Scaffolding
Plastering	Skin irritation, temporary blindness	Long term breathing problems	Ground contamination	Dust inhalation	Use of PPE, guarding off site on work areas
Paintwork	Skin irritation, temporary blindness	Long term breathing problems	Ground contamination	Air pollution	Use of PPE, guarding off site on work areas
Construction activities / demolition	Temporary deafness	Permanent deafness	Noise pollution	Noise pollution	Guarding / barricading of site
Moving machines	Driven over by machines	Injury to workers	Fuel spillage	Driven over by machines	Signage and slow driving

You can list all activities on a separate page to address this issue (the above table is just for reference purposes).



PART C.1.2: CONTRACT DATA



A PROJECT INFORMATION

A1.0 Works [1.1]

Project name	APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL
Reference number	SCMU5-26/27-0053
Works description	Refer to document C3 – Scope of Work

A2.0 Site [1.1]

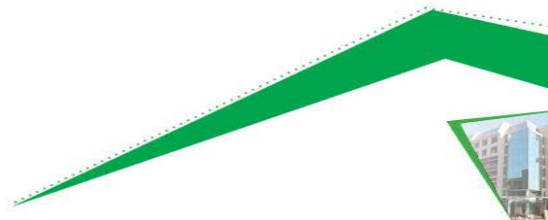
Erf / stand number	Refer to document C4 – Site Information
Township / Suburb	Makhanda, Eastern Cape.
Site address	Refer to document C4 – Site Information
Local authority	Makhanda Local Municipality, Sarah Baartman District Municipality

A3.0 Employer [1.1]

Official Name of Organ of State / Public Sector Body	Eastern Cape Department of Public Works and Infrastructure		
Business registration number	N/A		
VAT/GST number	N/A		
Country	South Africa		
Employer's representative: Name	Ms. L. Kopolo		
E-mail	Lizeka.Kopolo@ecdpw.gov.za		
Mobile number	082 520 1533	Telephone number	
Postal address	Private bag X002	Postal Code	5605
Physical address	55 Albany road, Central, Gqeberha, 6000	Postal Code	5605

A4.0 Principal Agent [1.1]

Name	Triviron Project Management		
Legal entity of above	Triviron Project Management	Contact person	Letshego Thagane
Practice number		Telephone number	
		Mobile number	



Country	South Africa	E-mail	letshego@triviron.co.za
Postal address	58 St Peters Road, Southernwood, East London	Postal Code	5200
Physical address	58 St Peters Road, Southernwood, East London	Postal Code	5200

A5.0 Agent [1.1]

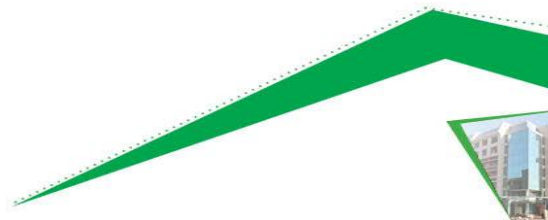
Discipline	Architects		
Name	Triviron Project Management (Pty) Ltd		
Legal entity of above	Triviron Project Management (Pty) Ltd	Contact Person	William Martinson
Practice number		Telephone Number	
		Mobile Number	
Country	South Africa	E-mail	williamm@o-l.co.za
Postal address	1st Floor, Pilot Mill House, The Quarry, Selborne, East London	Postal Code	6070
Physical address	1st Floor, Pilot Mill House, The Quarry, Selborne, East London	Postal Code	N/A

A6.0 Agent [1.1]

Discipline	Quantity Surveyor		
Name	Triviron Project Management (Pty) Ltd		
Legal entity of above	Triviron Project Management (Pty) Ltd.	Contact person	Siyabulela Dywili
Practice number		Telephone number	
		Mobile number	
Country	South Africa	E-mail	DywiliS@liwaniconsulting.co.za
Postal address	Donald Square, 2nd Floor, 6 Donald Road, Vincent, East London	Postal Code	5247
Physical address	Donald Square, 2nd Floor, 6 Donald Road, Vincent, East London	Postal Code	5247

A7.0 Agent [1.1]

Discipline	Electrical Engineers		
Name	Triviron Project Management (Pty) Ltd		
Legal entity of above	Triviron Project Management (Pty) Ltd	Contact person	Lizalisa Mkoka
Practice number		Telephone number	
		Mobile number	



A8.0 Agent [1.1]

Discipline	Mechanical Engineer		
Name	Triviron Project Management (Pty) Ltd		
Legal entity of above	Triviron Project Management (Pty) Ltd	Contact person	Xolisile Mninjana
Practice number		Telephone number	
		Mobile number	
Country	South Africa	E-mail	xmninjana@gmail.com
Postal address	58 St Peters Road, Southernwood, East London	Postal Code	5200
Physical address	58 St Peters Road, Southernwood, East London	Postal Code	5200

A9.0 Agent [1.1]

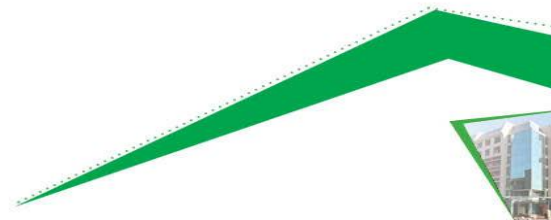
Discipline	Structural Engineer		
Name	Triviron Project Management (Pty) Ltd		
Legal entity of above	Triviron Project Management (Pty) Ltd	Contact person	Michael Were
Practice number		Telephone number	
		Mobile number	
Country	South Africa	E-mail	wereow@blkprojects.com
Postal address	58 St Peters Road, Southernwood, East London	Postal Code	5200
Physical address	58 St Peters Road, Southernwood, East London	Postal Code	5200

A10.0 Agent [1.1]

Discipline	Civil Engineer		
Name	Triviron Project Management (Pty) Ltd		
Legal entity of above	Triviron Project Management (Pty) Ltd	Contact person	Sylvester Makanza
Practice number		Telephone number	
		Mobile number	
Country	South Africa	E-mail	sylvester@tsmak-pm.com
Postal address		Postal Code	
Physical address		Postal Code	

A11.0 Agent [1.1]

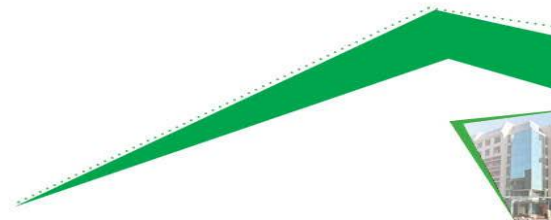
Discipline	Construction Health and Safety Agent
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Name	Triviron Project Management		
Legal entity of above	Triviron Project Management	Contact person	Admire Moyo
Practice number		Telephone number	
		Mobile number	
Country	South Africa	E-mail	admire@tbee.co.za
Postal address	Donald Square, 2nd Floor, 6 Donald Road, Vincent, East London		Postal Code 5247
Physical address	Donald Square, 2nd Floor, 6 Donald Road, Vincent, East London		Postal Code 5247

A12.0 Agent [1.1]

Discipline			
Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
		Mobile number	
Country		E-mail	
Postal address			Postal Code
Physical address			Postal Code



CONDITIONS OF CONTRACT AND OPERATIONAL REQUIREMENTS

1. CONTRACT

The contract for the supply of the required Service in terms of this invitation to bid shall come into being on the date of issue of the letter of acceptance of the bidders bid by the DoH or any other authorized authority or person (as the case may be). The bidder is further obliged for future support while the contract is in force.

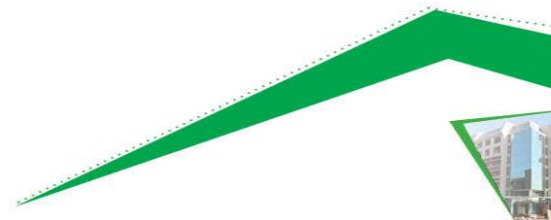
2. FEES AND CHARGES

- 2.1 **Prices will be firm and increased as per the new gazette rates issued by National Bargaining Council for the Private Security Sector (NBCPSS).**
- 2.2 Payment of any consideration in terms of the contract shall not constitute acceptance of any defective or non-conforming Services or otherwise relieve Service Provider of any of its obligations under the contract.
- 2.3 To the extent that the DoH disputes the correctness, nature, extent or calculation of any fees or expenses payable to Service Provider in terms of the contract, DoH shall be entitled to withhold payment of such disputed amounts until such time as such dispute is resolved.

3. GENERAL RESPONSIBILITIES OF THE SERVICE PROVIDER

- 3.1 ***The DoH's operational requirements.*** The Service Provider shall, in the provision of the required service, have due regard to the operational requirements of the DoH and other parties occupying or operating from the relevant institution, clinic and Office and shall not do, or permit to be done, anything which may negatively impact on such parties' operational requirements.
- 3.2 ***Problem identification and reporting.*** The Service Provider shall be proactive in reporting any matters which it may become aware of which may impact on the business continuity or operations of the DoH at the relevant institution, clinic and office. Without detracting from the generality of this statement, Service Provider shall: -
 - Without delay inform the DPWI of all incidents or accidents which may occur at the relevant Complex which involve Service Provider's personnel.
 - Co-operate fully with the DPWI in analyzing and investigating such incidents or accidents.
- 3.3 ***Other Service Providers*** The Service Provider acknowledges that it may be required to provide the Services in conjunction with third party service providers and shall, where requested by the DoH, co-operate fully with such persons.
- 3.4 ***Regulations and statutes*** The Service Provider shall, in the provision of the Services observe and comply with all relevant provisions of all applicable legislation and regulations
- 3.5 ***Compliance with procedures.***

It is recorded that during the currency of the contract the DPWI may implement procedures and policies at the relevant Institution. The Service Provider shall comply fully with any such reasonable procedures and policies, including the permit to work procedures and health and safety procedures.



- 3.6 The Service Provider shall ensure that it and its personnel shall at all times comply fully with any safety, fire, emergency and security procedures and policies applicable at the relevant Institution.
- 3.7 Should the DoH/DPWI at any time believe that any member of Service Provider's personnel is failing to comply with any such procedures or policies, the DPWI shall be entitled to deny such personnel member access to the relevant premises and require Service Provider to replace such person without delay?
- 3.8 **Service Provider's procedures** The Service Provider shall, upon receipt of a written request from the DoH or its appointed Manager: -

4. **FIRE RISKS**

The appointed company shall ensure that its personnel shall, if at any time they believe that any matter constitutes a fire risk, report this immediately to the DOH/Institution and take such remedial action as may be necessary.

5. **ENERGY MANAGEMENT**

The Service Provider shall comply fully with the energy management strategy implemented at the relevant Institution from time to time and shall provide the Services in an energy-efficient manner.

6. **OCCUPATIONAL HEALTH AND SAFETY**

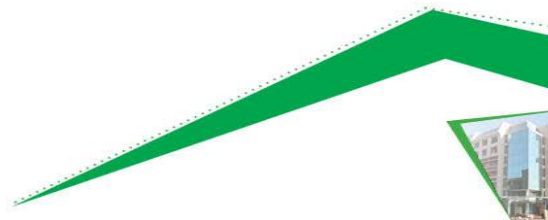
In this clause the term "Act" shall mean the Occupational Health & Safety Act, No. 85 of 1993, as amended from time to time, (including any act which may take its place should it be repealed during the currency of the agreement between the parties) as read with all regulations and standards promulgated in terms of the former Machinery and Occupational Act, No 6 of 1983, as amended, and all regulations & standards promulgated in terms of the Occupational Health & Safety Act from time to time;

The Service Provider: -

- ❖ acknowledges that he is fully aware of the terms and conditions of the Act.
- ❖ acknowledges that he is an employer in its own right with duties and responsibilities as prescribed in the Act;
- ❖ agrees to comply with all rules and regulations implemented by or on behalf of the DoH at the relevant Institution in covering letter relating to health and safety and will inform the DoH immediately should Service Provider for any reason be unable to comply with the provisions of the Act and such rules and regulations.

• **SERVICE LEVEL AGREEMENT**

It is recorded that the DoH/DPWI and the service provider will enter into a Service Level Agreement stipulating exact deliverables and terms of payment. Performance measurement provisions shall be reduced to writing in a service level agreement if required and signed by both parties.



9.PERFORMANCE MEASUREMENT PROVISIONS

9.1 Introduction.

Service Provider shall provide the Services during the term of the contract in compliance with the quality and related standards stipulated in the Specifications and the service level agreement (if any) contemplated in clause 11 above.

The provisions of Clause 10 document contain the manner in which Service Provider's performance will be measured throughout the term of the contract.

9.2 Compliance. For purposes of the contract the compliance by Service Provider with the stipulated responsibilities and service standards will be determined: -

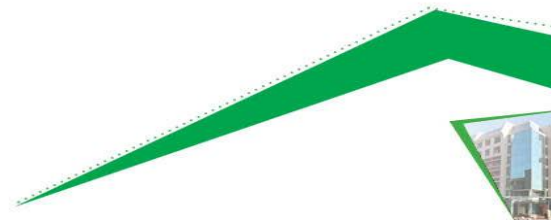
- with reference to the reports provided by Service Provider.
- with reference to reports or complaints received from third parties.
- by means of user satisfaction surveys conducted by DoH
- by means of service reviews, inspections or any audit carried out by or on behalf of the DoH.

9.3 Records. Service Provider shall at all times keep full and accurate records of all Services provided in terms of the contract and shall retain such records for the currency of the contract. Upon termination of the contract such records must be provided to the DoH upon request.

9.4 Measurement of performance

- Periodic checks: DoH and/or its appointed Representative shall carry out periodic checks (the intervals to be determined by DoH), the purpose of which shall be to determine whether Service Provider is providing the Services in accordance with the terms and conditions of the contract if accepted by DoH.
- Service complaints: All service complaints, deviations, non-conforming services and suggestions that are reported to Service Provider by DoH, its appointed facilities manager, or any other party shall be given proper and speedy consideration by Service Provider. The Service Provider shall investigate complaints, deviations and non-conforming services in accordance with procedures approved by the DoH.
- User satisfaction survey: A user satisfaction survey shall be conducted by DoH at such intervals as DoH may determine to assess service user satisfaction. The user satisfaction survey shall be conducted in such form and in accordance with such procedures as the parties may agree to in writing from time to time.

9.5 Results of checks, audits and surveys DoH shall be entitled to utilise the findings of the surveys, checks, audits and reports contemplated above to determine compliance by Service Provider with the service standards and responsibilities stipulated in the contract. It is recorded that the results of the above checks shall, save to the extent that Service Provider can prove otherwise be binding on Service Provider and DoH shall be entitled to exercise its remedies stipulated in the contract based on such findings.



10. BREACH AND TERMINATION

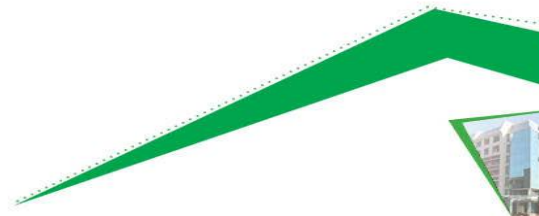
Bidders are referred to Paragraph 23 of General Conditions of Contract (GCC) relating to failure to comply with conditions of this contract.

11. LOSS AND DAMAGE

Service Provider hereby indemnifies the State, and will hold the State harmless, against any loss or damages which the State may suffer, or any claims lodged against the State by any third party arising out of or relating to any loss that the State or such third party may suffer as a result of, or arising out of any act or omission of any personnel of Service Provider or the failure of Service Provider to provide the Services in accordance with the provisions of the contract.

12. SUB-SERVICE PROVIDERS

Service Provider may only sub-contract its obligations under the contract with the prior written consent of the DoH (or any other authorized authority) and then only to a person and to the extent approved by the DoH or such authority and upon such terms and conditions as the DoH or such authority require. It is recorded that where such consent is given Service Provider shall remain liable to DoH for the performance of the Service



C1.3CIDB ADJUDICATOR'S AGREEMENT

This agreement is made on the day of between:
..... (name of company / organization) of
..... (address) and
..... (name of company / organization) of
.....
..... (address) (the Parties) and
(name) of
..... (address) (the Adjudicator).

Disputes or differences may arise/have arisen* between the Parties under a Contract dated and known as and these disputes or differences shall be/have been* referred to adjudication in accordance with the CIDB Adjudication Procedure, (hereinafter called "the Procedure") and the Adjudicator may be or has been requested to act.

* Delete as necessary

IT IS NOW AGREED as follows:

- 1 The rights and obligations of the Adjudicator and the Parties shall be as set out in the Procedure.
- 2 The Adjudicator hereby accepts the appointment and agrees to conduct the adjudication in accordance with the Procedure.
- 3 The Parties bind themselves jointly and severally to pay the Adjudicator's fees and expenses in accordance with the Procedure as set out in the Contract Data.
- 4 The Parties and the Adjudicator shall at all times maintain the confidentiality of the adjudication and shall endeavour to ensure that anyone acting on their behalf or through them will do likewise, save with the consent of the other Parties which consent shall not be unreasonably refused.
- 5 The Adjudicator shall inform the Parties if he intends to destroy the documents which have been sent to him in relation to the adjudication and he shall retain documents for a further period at the request of either Party.

SIGNED by: _____
Name: _____
who warrants that he / she is duly
authorized to sign for and on
behalf of the first Party in the
presence of

SIGNED by: _____
Name: _____
who warrants that he / she is duly
authorized to sign for and behalf
of the second Party in the
presence of

SIGNED by: _____
Name: _____
the Adjudicator in the presence of

Witness _____
Name: _____
Address: _____

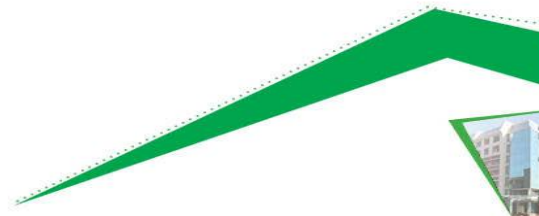
Witness: _____
Name _____
Address: _____

Witness: _____
Name: _____
Address: _____

Date: _____

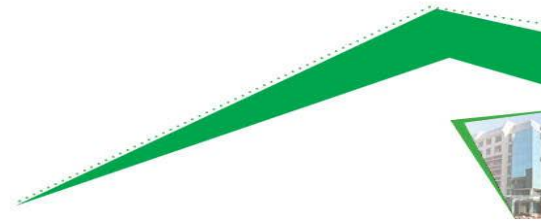
Date: _____

Date: _____

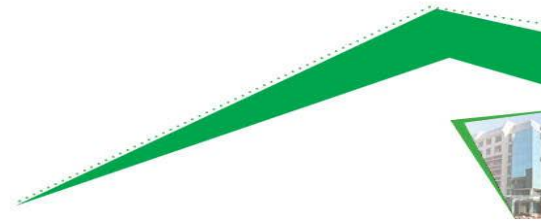


Contract Data

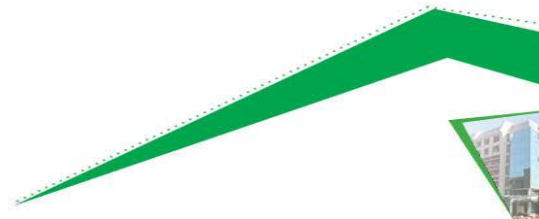
1	The Adjudicator shall be paid at the hourly rate of R. in respect of all time spent upon, or in connection with, the adjudication including time spent travelling.
2	The Adjudicator shall be reimbursed in respect of all disbursements properly made including, but not restricted to: (a) Printing, reproduction and purchase of documents, drawings, maps, records and photographs. (b) Telegrams, telex, faxes, and telephone calls. € Postage and similar delivery charges. (d) Travelling, hotel expenses and other similar disbursements. € Room charges. (f) Charges for legal or technical advice obtained in accordance with the Procedure.
3	The Adjudicator shall be paid an appointment fee of R. This fee shall become payable in equal amounts by each Party within days of the appointment of the Adjudicator, subject to an Invoice being provided. This fee will be deducted from the final statement of any sums which shall become payable under item 1 and/or item 2 of the Contract Data. If the final statement is less than the appointment fee the balance shall be refunded to the Parties.
4	The Adjudicator is/is not* currently registered for VAT.
5	Where the Adjudicator is registered for VAT it shall be charged additionally in accordance with the rates current at the date of invoice.
6	All payments, other than the appointment fee (item 3) shall become due in 30 days after receipt of invoice, thereafter interest shall be payable at 5% per annum above the Reserve Bank base rate for every day the amount remains outstanding.



PART C2: PRICING DATA

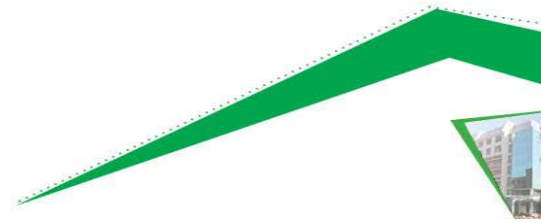


PART C2.1 PRICING INSTRUCTIONS

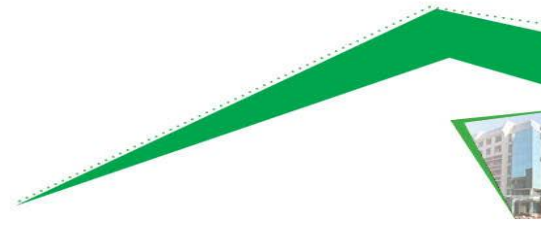


C2.1 Pricing Instructions

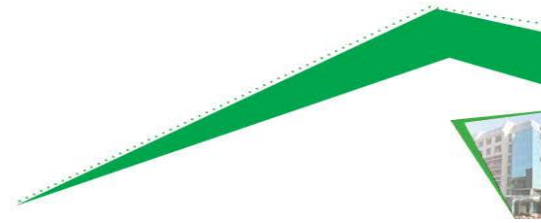
- 1 The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work as amended) published and issued by the Association of South African Quantity Surveyors (Sixth Edition (Revised)), 1999. Where applicable the:
 - a) Civil engineering work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Civil Engineering Works.
 - b) Mechanical work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Mechanical Engineering Works.
 - c) Electrical work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Electrical Engineering Works.
- 2 It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders. (Refer to www.stanza.org.za or www.iso.org for information on standards).
- 3 The drawings listed in the Scope of Works used for the setting up of these Bills of Quantities are kept by the Principal Agent or Engineer and can be viewed at any time during office hours up until the completion of the works.
- 4 Reference to any particular trademark, name, patent, design, type, specific origin or producer is purely to establish a standard for requirements. Products or articles of an equivalent standard may be substituted.
- 5 The bills of quantities forms part of and must be read and priced in conjunction with all the other documents forming part of the contract document, The Standard Conditions of Tender, Conditions of Contract, Specifications, Drawings, The document "Construction Works: Specifications: General Specification (PW371-A) Edition 2.0" is obtainable on the Department's website (<http://www.publicworks.gov.za/> under "Consultants Guidelines"), and shall be read in conjunction with the **bills of quantities** / lump sum document and be referred to for the full descriptions of work to be done and materials to be used The document "Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.0" is issued together with the drawings and shall be read in conjunction with the drawings and the **bills of quantities** / lump sum document
- 6 Where any item is not relevant to this specific contract, such item is marked N/A (signifying "not applicable")
- 7 The Contract Data and the standard form of contract referenced therein must be studied for the full extent and meaning of each and every clause set out in Section 1 (Preliminaries) of the Bills of Quantities
- 8 The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor's risk.
- 9 The amount of the Preliminaries to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract.



- 10 Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in 11 but taking into account the revised period for completing the works.
- 11 The amount or items of the Preliminaries shall be adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments shall be based on adjustments in the following categories as recorded in the Bills of Quantities:
 - a) an amount which is not to be varied, namely Fixed (F)
 - b) an amount which is to be varied in proportion to the contract value, namely Value Related (V); and
 - c) an amount which is to be varied in proportion to the contract period as compared to the initial construction period excluding revisions to the construction period for which no adjustment to the contractor is not entitled to in terms of the contract, namely Time Related (T).
- 12 Where no provision is made in the Bills of Quantities to indicate which of the three categories in 13 apply or where no selection is made, the adjustments shall be based on the following breakdown:
 - a) 10 percent is Fixed
 - b) 15 percent is Value Related
 - c) 75 percent is Time Related
- 13 The adjustment of the Preliminaries shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminaries shall exclude any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional completion shall be prorated to the value of each section.
- 14 The tender price must include Value Added Tax (VAT). All rates, provisional sums, etc. in the bills of quantities must however be net (exclusive of VAT) with VAT calculated and added to the Total Value thereof in the Final Summary.
15. The Contractor shall adhere to “The national minimum wage determined by the Minister in accordance with the National Minimum Wage Act (NMWA)”, and yearly pronounced increases for duration of contract.



EPWP REQUIREMENTS AND SPECIFICATION



PART C3 SCOPE OF WORK (TERMS OF REFERENCE)

C3 Scope of Work (Terms of Reference)

3.1 C3 SCOPE OF WORK

C3 Scope of Work

Project Name:	APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL
Tender No:	SCMU5-26/27-0053

C3.1 SCOPE OF WORKS

INTRODUCTION

1. Purpose

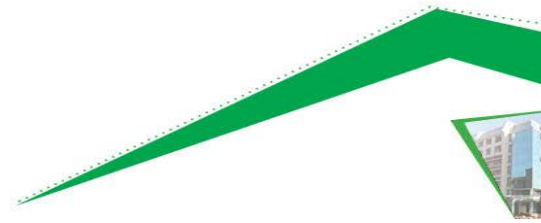
To ensure the provision of effective and efficient 24/7 security through CCTV and access control

2. Problem Statement

Fort England Hospital is a Psychiatric Hospital guided by the Mental Health Care Act No. 17 of 2002, with its associated policies as a minimum. The hospital has indicated that it had incidents such as escape of unwell patients, fence break-ins, and injuries on patients etc, which could have been captured and presented as supporting information, as may be required; however, due to a lack of footage or evidence, these incidents could not be properly supported or presented as required. The current CCTV and access control system is not fully functional; therefore, refurbishment of the system is required to improve security

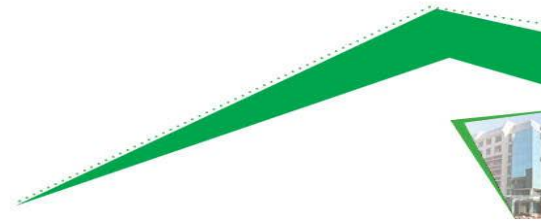
3. Overall Objectives

To have a 24-hour full recording and centralized electronic security system to enhance the security of the hospital.
Fully functional CCTV system consisting of Surveillance – dome, bullet, PTZ solution and thermal cameras) including early detection of escape along or closer to the perimeter fence
Fully functional access control system
Biometric access control,
Review Control Station
Control Room alarm receiving
Control Room layout and design
Back-up power supply system
Intrusion detection/alarm solution



CCTV, ACCESS CONTROL SYSTEM AND ELECTRICAL INSTALLATION –
DETAILED SPECIFICATION

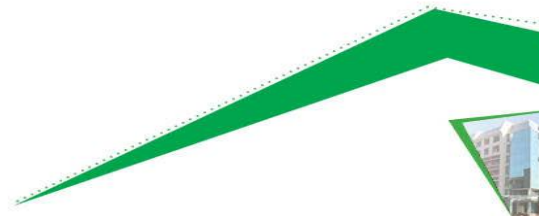
Section 1:	Technical (Detailed) Specification
Section 2:	Uninterruptible Power Supply
Section 3:	Tender Drawings



TECHNICAL (DETAILED) SPECIFICATIONS

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CCTV, ACCESS CONTROL SYSTEM AND ELECTRICAL INSTALLATION DETAILS

INTRODUCTION & GENERAL

This specification outlines the scope expected of materials and workmanship and does not attempt to instruct the electrical contractor on how to perform his work.

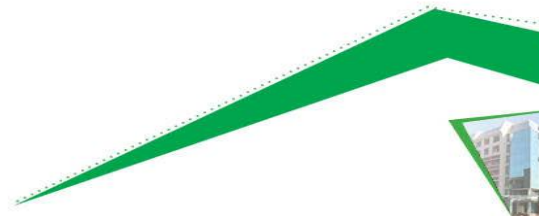
Should there be any conflict or ambiguity between sections of this enquiry, then the sections will be considered in the following order of priority: -

Bills of Quantities

Project Specification including Equipment Schedules

Drawings

Should the Tenderer notice any inconsistencies between these sections, it is the contractor's responsibility to notify the Engineer in order to obtain clarification thereon before submitting the bid document.



SCOPE OF WORK

The main contract is for the supply and installation of CCTV, access control system and electrical installation minor general building works and mechanical installation at Fort England Psychiatric Hospital, Makhana / Grahamstown.

The underground routes service cables of electrical and communication cabling is not known and the as-built drawings are not available. The contract responsibility will therefore include looking for the routes of existing service cables. Should the contractor damage any of these services they will be liable and will have to pay for any damages.

The Work to be carried out by the contractor under this Contract comprises mainly the supply and installation of the following, testing and commissioning including 36 months warranty and maintenance with 24 months extended maintenance period:

Supply, delivery, installation and maintenance of the new CCTV system.

NEW INSTALLATION:

THIS SPECIFICATION INCLUDES THE SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF THE SYSTEM ELEMENTS AS DETAILED BELOW.

NO.	QTY	SCOPE OF WORK
SURVEILLANCE		
1.1	Indoor Cameras	
	25	4 Megapixel (MP) Fixed Dome Fisheye Camera, 30m infrared (IR), IP67, 360o View, H.265+, built-in visual auditory warning with technology that will detect humans and vehicle accurately day or night and sends alerts and snapshots to control room
	25	4 Megapixel (MP), Fixed Dome, 4mm Lens, 30m infrared (IR), IP66 housing with built-in visual auditory warning with technology that will detect humans and vehicle accurately day or night and sends alerts and snapshots to control room,
	21	4 Megapixel (MP), Fixed Outdoor Smart Hybrid-light Pan and Tilt IP Dome, built-in visual auditory warning with technology that will detect humans and vehicle accurately day or night and sends alerts and snapshots to control room
1.2	Outdoor Bullet	
	35	4 Megapixel (MP), internet protocol (IP) Bullet, with 12mm lens, IP67 rating, infrared (IR) 60m, H.264+ with intelligent human and vehicle detection to reduce false alarms, active deterrence with strobe lights and audio alarms, and robust, Strobe Siren and weatherproof constructed
	35	Galvanized Vandal Proof Cage (for outer perimeter cameras) with Anti Bird Spike (mounted on the camera)
1.4	PTZ Solutions	
	6	Pan tilt zoom (PTZ) 6 Megapixel (MP) infrared (IR) 200m 25x IP66, combine two or more lenses into one unit, with the upper lens is fixed to provide a big picture of the targeted security zone at all times, while the bottom lens can pan, tilt, and zoom in on small details.
	6	6MTR Galvanised Square Cubed Surveillance pole, 100mm with Thick outside wall, large base plate, gussets, and mounting plate, predrilled and galvanised. Anti Climb Spike Collar
	6	Enclosure Fiberglass – H:450 x W:300 x D:210
	6	White Aluminium PTZ Wall mount Bracket, 97×182×3
	6	White Aluminium PTZ Corner mount Bracket
	6	Video wise Camera Power Supply, 24Vac 3Amp, Surge Protected, Fused
	6	UV-resistant, weatherproof clear anti bird Spike (mounted on the camera)

OLD / EXISTING INSTALLATION:

THIS SPECIFICATION INCLUDES SERVICE AND MAINTENANCE TO THE EXISTING SYSTEM ELEMENTS AS DETAILED BUT NOT LIMITED TO THE FOLLOWING LIST.

Assessment of the existing / currently installed cameras, fault finding on the existing installation (cameras, cabling, network switches, network video recorders (NVRs), network cabinets). Prepare a detailed /



comprehensive inventory list and produce a comprehensive / detailed assessment report. The report must be issued to the Engineer for review, no work will be done before the report is issued and approved. Servicing (minor / major repairs) the currently installed system and producing detailed / comprehensive report of all serviced items.

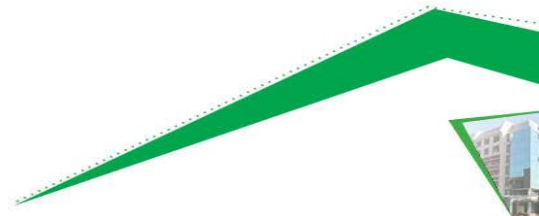
NO.	QTY	SCOPE OF WORK
SURVEILLANCE		
1.1	Indoor Cameras	
	90	4 Megapixel (MP) Fixed Dome Fisheye Camera, 30m infrared (IR), IP67, 360o View, H.265+, built-in visual auditory warning with technology that will detect humans and vehicle accurately day or night and sends alerts and snapshots to control room
1.2	Outdoor Bullet	
	105	4 Megapixel (MP), internet protocol (IP) Bullet, with 12mm lens, IP67 rating, infrared (IR) 60m, H.264+ with intelligent human and vehicle detection to reduce false alarms, active deterrence with strobe lights and audio alarms, and robust, strobe Siren and weatherproof constructed
1.4	PTZ Solutions	
	2	Pan tilt zoom (PTZ) 6 Megapixel (MP) infrared (IR) 200m 25x IP66, combine two or more lenses into one unit, with the upper lens is fixed to provide a big picture of the targeted security zone at all times, while the bottom lens can pan, tilt, and zoom in on small details.
	2	6MTR Galvanised Square Cubed Surveillance pole, 100mm with Thick outside wall, large base plate, gussets, and mounting plate, predrilled and galvanised including Anti Climb Spike Collar
	2	Enclosure Fiberglass - H:450 x W:300 x D:210
	2	White Aluminium PTZ Wall mount Bracket, 97x182x3
	2	White Aluminium PTZ Corner mount Bracket
	2	Video wise Camera Power Supply, 24Vac 3Amp, Surge Protected, Fused
	2	UV-resistant, weatherproof clear anti bird Spike (mounted on the camera)

NEW INSTALLATION:

THIS SPECIFICATION INCLUDES THE SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF THE SYSTEM ELEMENTS AS DETAILED BELOW.

NO.	QTY	SCOPE OF WORK
SURVEILLANCE		
1.3	Thermal Cameras - ESCAPE DETECTION OR PERIMETER FENCE	
	20	4 Megapixel (MP), internet protocol (IP) Thermal camera, 200m IR, IP67, 12mm fixed optical lens, AcuSense strobe siren, , 60m, H.265+ Thermal Camera, 7mm Fixed Thermal Lens detection, 2 alarm inputs and 2 alarm output, 24 VAC $\pm$ 25%, 12 VDC $\pm$ 25%, two-core terminal block, Micro SD memory, IP67, TVS 6000V lightning protection, surge protection, voltage transient protection, Power over ethernet (PoE), ePoE, Support Fire detection, sun-reflection filter & alarm, dual image fusion (visible and thermal channels), Support region of interest (ROI), motion detection, colour palettes, Smart linkage with strobe light & audio, Video content analysis: vehicle/human classification, galvanised vandal resistant / proof (for outer perimeter cameras)
	20	6MTR Galvanised Square Cubed Surveillance pole, 100mm with Thick outside wall, large base plate, gussets, and mounting plate, predrilled and galvanised. Anti Climb Spike Collar
	20	Video wise Camera Power Supply, 24Vac 3Amp, Surge Protected, Fused
	20	UV-resistant, weatherproof clear anti bird Spike (mounted on the camera)

Supply, delivery, installation and maintenance of the new access control system



NEW INSTALLATION:

THIS SPECIFICATION INCLUDES THE SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF THE SYSTEM ELEMENTS AS DETAILED BELOW.

NO.	QTY	SCOPE OF WORK
ACCESS CONTROL		
2.1	Biometric Access Control	
32		Access Control Multi-Biometric card reader - Fingerprint & Face recognition / Card Reader / password, 2.4" LCD / LED Screen, Card / Remote / Password / Fingerprint Unlock, RJ45, 100 Mbps Network, IP65, Supports duress alarm, tamper alarm, intrusion alarm, door contact timeout alarm, illegal card exceeding threshold alarm, illegal password exceeding threshold alarm, and external alarm.
28		Door Controller Firmware
1		Access Control Software
32		Steel Slave Bracket
50		Exit Sensor - No Touch 12VDC
10		SWITCH 8 Port power over ethernet (POE) Gigabit Unmanaged
28		Package B Lockable Steel, Enclosure incl 5+1A power supply unit (PSU)
28		BATT - 12V 18 Amp Hour (AH), 4.8mm, Terminal Box
63		Maglock SP600 lbs (272Kg) 12/24VDC Monitored with LED
63		Bracket ZL for SP600 lbs LK118 Maglock
109		Emergency break-glass call point
8		Access keypad – wired
8		Hard wired Buzzer with Push Button
2		3,5m 3CR12 stainless steel with UV resistant exterior grade powder coat Boom Gate integrated OPTIC LED light strip for maximum visibility, true battery backup UPS power supply and folding skirt. Outdoor License Plate Recognition Camera with accessories as specified. Safety Loop and IR detectors Stainless Steel Gooseneck for Palm Vein Sensor
2		Cable – 1000m fibre optic
50		Connector
50		Connector Boot Grey
2.2	IP Video Intercom, Facial System	
10		4 Mega Pixel (MP) Intercom, infrared (IR) supplement light, stainless steel gate station, aluminium frame, intercom rain shield
10		Indoor Station, 1024 x 600 Resolution, 7" TFT Touch Screen, Built-in Mic & Speaker, RJ45, 10/100Mbps Self-adaptive Network
10		Gate Station Aluminium Frame
10		Intercom Rain Shield
5		SWITCH 8 Port 1000 Mbps Power over Ethernet (PoE) + 1 Port TP Uplink 1000Mbps
2		Cable – 1000m fibre optic
50		Connector
50		Connector Boot Grey

OLD / EXISTING INSTALLATION:

THIS SPECIFICATION INCLUDES SERVICE AND MAINTENANCE TO THE EXISTING SYSTEM ELEMENTS

AS DETAILED BELOW.

Assessment on the existing / currently installed access control, fault finding on the existing installation (biometric readers, controllers, cabling, network switches, network cabinets). Prepare a detailed / comprehensive inventory list and produce a comprehensive / detailed assessment report. The report must be issued to the Engineer for review, no work will be done before the report is issued and approved.

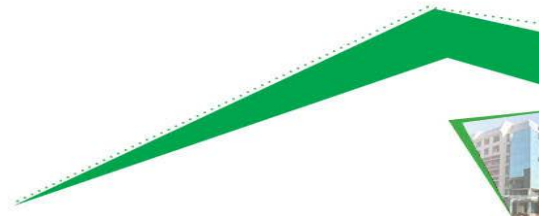
NO.	QTY	SCOPE OF WORK
ACCESS CONTROL		
2.1		Biometric Access Control
	77	Existing Viridi biometric / fingerprint readers with rain shield
	70	Door Controller Firmware
	1	Access Control Software
	77	Steel Slave Bracket
	12	Exit Sensor - No Touch 12VDC
		SWITCH 8 Port Power Over Ethernet (POE) Gigabit Unmanaged
	70	Package B Lockable Steel, Enclosure incl 5+1A Power Supply Unit (PSU)
	70	BATT - 12V 18 Amp Hour, 4.8mm, Terminal Box
	70	Maglock SP600 lbs (272Kg) 12/24VDC Monitored with LED
	70	Bracket ZL for SP600 lbs LK118 Maglock
	63	Emergency break-glass call point
	14	Access keypad – wired
	4	Walk through metal detector
	8	Hard wired Buzzer with Push Button
		Cable – fibre optic
2.2		IP Video Intercom, Facial System
	6	4 Megapixel (MP) Intercom, infrared (IR) Supplement Light, Stainless Steel
	6	Gate Station Aluminium Frame
	6	Intercom Rain Shield
		SWITCH 8 Port 1000 Mbps PoE + 1 Port TP Uplink 1000Mbps
		Cable – fibre optic

CCTV CONTROL ROOM UPGRADE (LAYOUT AND DESIGN), supply, delivery, installation and maintenance of the new installation as detailed below.

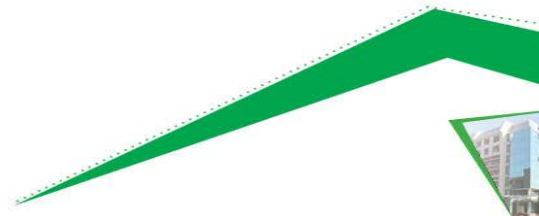
NEW INSTALLATION:

THIS SPECIFICATION INCLUDES THE SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF THE SYSTEM ELEMENTS AS DETAILED BELOW.

NO.	QTY	SCOPE OF WORK
CONTROL ROOM LAYOUT AND DESIGN		
3.1		Digital Recorder
	11	16 Channel network video recorder (NVR) built-in visual auditory warning with technology that will detect humans and vehicle accurately day or night and sends alerts and snapshots to control room, 256Mbps, 4 SATA, alarm I/O:16/4, 1.5U
	11	Surveillance hard drive disk (HDD) 21tera byte (TB) Serial ATA 600 (6Gbps) - 64MB Cache @ 5900rpm
3.2		Server Room



	1	42 unit international standard - Material: Cold-rolled steel - Surface finish: Degreasing, pickling, phosphoric powder coated - Frame thickness: 2.0mm - Curved, perforated front door - Double-section back door - Double-section side panels for easy access and assembly - Ventilation rate of over 80% - Adjustable, closeable, top and bottom wiring channels - Vertical cable management at the back of the cabinet - Mounting rail with U mark - Standard with earthing kits - 1000Kg loading C44- Adjustable feet and heavy-duty castors Dimensions: 600mm Wide x 2000mm High x 950mm Deep - INCLUDES BRUSH PANELS, 24 PORT PATCH PANELS, BLANKS AND TRAYS
	6	Switch(1910-24-PoE+), 24*100/1000ports + 2 SFP dual-personality ports 1000Mbps ports, fixed (desktop/19" telco rack), Basic Layer3, POE, Web managed, Lifetime warranty
3.3	Field Switches	
	10	Power over Ethernet (PoE) Switch (1910-16- Power over Ethernet +), 16*100/1000 ports Power over Ethernet+ ports, 2 SFP Dual-personality ports, fixed (desktop/19" telco rack), Basic Layer3, Power over Ethernet, Web managed, Lifetime warranty
	10	RCT 4U 450mm Fixed Wall Mount Cabinet Perforated Metal - Black wall mount cabinet with 2x Front UPR. 2x Glands + Screws - Optional Fans / Trays / Power Rail / Brush & Patch Panels RCT 1 Way Sing Fan Wired - Wall Mount + Casing
3.4	Wireless Communication	
	6	M5: 5GHz, 23dBi Hi Power, time division multiple access (TDMA) Station, including Power over Ethernet (PoE)
3.5	Cable Hardware	
	4	1000m Cable - UV protected fibre optic
	300	Connector
	300	Weather Boot
3.6	Keyboard Controller	
	2	Speed Dome - IP Network Keyboard Controller
3.7	Review Control Station	
	1	Rack Mount, 4U Chassis, Intel Quad 5 Core 3.6Ghz, 8 GB RAM, 1TB SSD, DVD Writer, Keyboard & Mouse, 470W PSU (rails optional)
	1	Microsoft Windows Operating System (OS)
	1	Multiple Display HDMI Card(S)
	22	24/7 LED CCTV Monitoring Screen 55" Full HD 1920 x 1080 P
	22	26" to 60" Universal LCD / LED Panel Wall mount Bracket
	22	HDMI to HDMI Gold Plated Cable
3.8	Control Room Alarm Receiving	
	1	MIMIC BASE UNIT 2,000-USER PANEL, microSD CARD, USB2.0 INCLUDES 3.2AMP POWER SUPPLY & LONG-RANGE RECEIVER
	3	REPEATER KIT WITH POWER SUPPLY CODE-HOPPING
	1	Robust rack mounted workstation host PC, Intel Core i7, Windows 10 64bit, Dual 256bit Display, 1TB OS, 8GB Ram, Keyboard & Mouse or similar approved.
	1	Microsoft Windows Latest Professional Edition Service Pack 1 - DSP Software, 64Bit Desktop License
	1	USB Keyboard & Mouse for Server
	1	19" LCD VGA Monitor
3.9	Control Room Layout and Design	
	3	Air-conditions 18000 BTU
	1	Carpeting for new floor (Vinal Floor) per sqm
	1	Painting of control room per sqm
	1	Woodwork for display wall (Carpentry, Screen mount brackets and Consoles)
	1	Control Room Door – 940mm x 2032 x 40mm solid chip core single door with 2 hour fire rating, solid timber edges and Masonite on both sides including fanlight glazing of existing door frames and new ironmongery. Fire Doors must comply with SANS 1253 (Door & Frame)



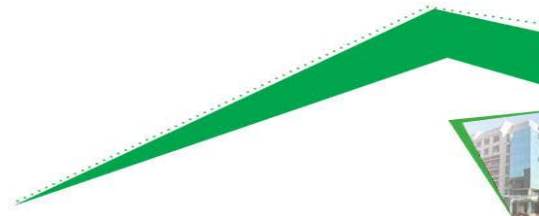
	1	Server Room door – 940mm x 2032 x 40mm solid chip core single door with 2 hour fire rating, solid timber edges and Masonite on both sides including fanlight glazing of existing door frames and new ironmongery. Fire Doors must comply with SANS 1253 (Door & Frame)
	4	Two Office Chairs
	1	A4 Black and colour Printer, Wi-Fi connectivity, Windows Supported OS

OLD / EXISTING INSTALLATION:

THIS SPECIFICATION INCLUDES SERVICE AND MAINTENANCE TO THE EXISTING SYSTEM ELEMENTS AS DETAILED BELOW.

Assessment of the existing / currently installed cameras, fault finding on the existing installation (cameras, cabling, network switches, NVRs, network cabinets). Prepare a detailed / comprehensive inventory list and produce a comprehensive / detailed assessment report. The report must be issued to the Engineer for review, no work will be done before the report is issued and approved. Servicing (minor / major repairs) the currently installed system and producing detailed / comprehensive report of all serviced items.

NO.	QTY	SCOPE OF WORK
CONTROL ROOM LAYOUT AND DESIGN		
3.1		Digital Recorder
	5	EXISTING 32 Channel AcuSense network video recorder (NVR), 256Mbps, 4 SATA, alarm I/O:16/4, 1.5U – three (3) are functional and two (2) are non-functional due to missing passwords
	5	Surveillance HDD 6TB Serial ATA 600 (6Gbps) - 64MB Cache @ 5900rpm
3.2		Server Room
	1	19 unit international standard - Material: Cold-rolled steel - Surface finish: Digressing, pickling, phosphoric powder coated - Frame thickness: 2.0mm - Curved, perforated front door - Double-section back door - Double-section side panels for easy access and assembly - Ventilation rate of over 80% - Adjustable, closeable, top and bottom wiring channels - Vertical cable management at the back of the cabinet - Mounting rail with U mark - Standard with earthing kits - 1000Kg loading C44- Adjustable feet and heavy-duty castors Dimensions: 600mm Wide x 2000mm High x 950mm Deep - INCLUDES BRUSH PANELS, 24 PORT PATCH PANELS, BLANKS AND TRAYS
		Switch(1910-24-PoE+), 24*100/1000ports + 2 SFP dual-personality ports 1000Mbps ports, fixed (desktop/19" telco rack), Basic Layer3, POE, Web managed, Lifetime warranty
3.3		Field Switches
		Power over ethernet (PoE) Switch (1910-16-PoE+), 16*100/1000 ports POE+ ports, 2 SFP Dual-personality ports, fixed (desktop/19" telco rack), Basic Layer3, POE, Web managed, Lifetime warranty
		RCT 4U 450mm Fixed Wall Mount Cabinet Perforated Metal - Black wall mount cabinet with 2x Front UPR. 2x Glands + Screws - Optional Fans / Trays / Power Rail / Brush & Patch Panels RCT 1 Way Sing Fan Wired - Wall Mount + Casing
3.4		Wireless Communication
	4	M5: 5GHz, 23dBi Hi Power, time division multiple access (TDMA) Station, including Power over Ethernet (PoE)
3.5		Cable Hardware
		Cable - UV protected fibre optic
3.6		Keyboard Controller
	1	Speed Dome - IP Network Keyboard Controller
3.7		Review Control Station
	8	Microsoft Windows Operating System (OS)
	8	24/7 LED CCTV Monitoring Screen 55" Full HD 1920 x 1080 P
	8	26" to 60" Universal LCD / LED Panel Wall mount Bracket
	8	HDMI to HDMI Gold Plated Cable



Supply, delivery, installation and maintenance of the new BACK-UP POWER SUPPLY SYSTEM AS DETAILED BELOW.

NO.	QTY	SCOPE OF WORK
BACK-UP POWER SUPPLY SYSTEM		
4.1	UPS Solution	
	1	10kVA (9kW) On-line UPS with a 19.2kWh Lithium-Ion Battery Pack (LiFePo4), Internal battery pack 192V/100Ah (19,2kWh), 10 hours run time, Input Voltage 400VAC, Output Voltage 400VAC, 50 Hz Crystal Controlled, Sine Wave Inverter, 60dBA noise level and built-in lightning and surge protection, robust electrical design, dust filter and conformance-coated boards for harsh environments, Mains Fail Alarm (Slow intermittent beep), Low Battery Alarm (Continuous beep), Mains on indicator, Charging indicator, By-Pass Indicator, LCD Display (Full UPS Status reporting), Diagnostic software via USB port and SNMP with Megatec Protocol - Black = 10 hours Duration
	1	SNMP Network Card WTU / GTU / GRU ON-LINE UPS
	1	Modbus Card for WTU / GTU / GRU ON-LINE UPS
	1	Rack Mount Kit for GRU Rack mountable UPS
	2	5kVA ON-LINE UPS (with AVR, Monitoring Software + Cable & Built-in Surge Protection) – Black = 10 hours Duration

Supply, delivery, installation and maintenance of the new INTRUSION DETECTION / ALARM SOLUTION

NO.	QTY	SCOPE OF WORK
INTRUSION DETECTION / ALARM SOLUTION		
5.1	Baseline Alarm Solution	
	5	16 ZONES PANEL
	5	LCD Keypad - Large LCD with 32-character display
	5	On-board Expander, 8 zones
	5	Network Module for Sending alarm signals via IP network
	5	50VA Transformer. 12V/16.5 VAC with lightning protection
	5	12VDC 7 A/H IBT Battery
	5	Siren 12 VDC 30 watts
	5	IS 215TCE, IntelliSense passive infrared (PIR), range 12m x 12m with look-down zone, bug guard and white light immunity, 3-year warranty;9
	5	Heavy Duty Door Magnetic Switch
	5	Illuminating Emergency Panic Button Glow in the Dark (N/O, N/C)
	5	Status Blue LED

Installation of lighting and small power systems

Power skirting installation

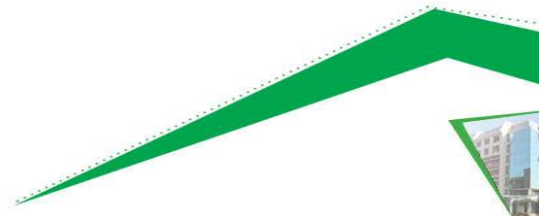
Earthing and bonding including lightning protection system (LPS)

Performing and submission of test records and certificates

Test completed installations, issue of Certificates of Compliance for both electrical and the LPS installations

POST IMPLEMENTATION SUPPORT MECHANISM

NO.	QTY	SCOPE OF WORK
POST IMPLEMENTATION SUPPORT MECHANISM		
6.1	Operating and Maintenance Manual	



	1	Supply hard copy format operating and maintenance manual for IP surveillance system.
	1	Supply electronic media format operating and maintenance manual for IP surveillance system.
6.2	Training On Site	
	3	Training of staff on the entire IP surveillance system.
	3	Skill transfer on all CCTV services and repairs
6.3	Infrastructural Drawings	
	1	Submit Installation drawings or diagram depicting infrastructural layout for work done and future changes of all IP surveillance systems installation
6.4	Guarantee	
	1	36 Months warranty and maintenance with 24 months extended maintenance period for the complete IP Surveillance system including a next business day response.

The description of the Works listed above, is not necessarily complete and shall not limit the work to be carried out by the contractor under this Contract.

SPECIFICATIONS & STANDARDS

The works carried out under this Contract shall be governed by the:

SANS 10142-1: Wiring Code,
Interior Lighting Part 1: Artificial Lighting of Interiors; Part 2: Emergency Lighting – SANS 10114-1
Protection against Lightning – Physical Damage to Structures and Life Hazard: SANS 10313: 2008 and in conjunction with the SANS 62305 series
The Occupational Health and Safety Act, 1993 (Act 85 of 1993)

METHODOLOGY OF PROJECT EXECUTION

The works shall be executed and completed in five (5) sections defined in this clause. Sectional completion is required in terms of GCC.

Each section constitutes an identified portion of the works for which practical completion is required by a date earlier than required for the works as a whole.

PROJECT REVIEW

The work is to be executed within an operational hospital environment with minimum disruption to patients and staff.

RESTRICTIONS AND CONSTRAINTS

Noise must be kept to a minimum and within acceptable levels at all times.

Dust emanating from the site must be controlled at all times.

OPERATIONAL PROTOCOLS

The approved Health and Safety plan shall be adhered to at all times

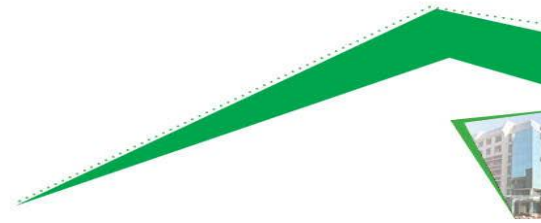
All staff members of the contractor shall wear PPE at all times

All staff members of the contractor shall be specifically identifiable at all times and to this end shall wear a predetermined coloured overall to be able to enter and work on the site.

Regular meetings, the frequency of which is to be determined, shall be held with the management of the hospital to always ensure a cohesive spirit of co-operation

ACCESS AND SITE ESTABLISHMENT

Prospective bidders are to fully familiarize themselves with the site and access to the site and restricted area for site



establishment.

Prospective bidders are to familiarize themselves with the site as no additional costs shall be entertained.

Identified area for site establishment shall be pointed out to prospective bidders at mandatory site inspection. The contractor shall be liable for security, fencing, water, sewer, ablutions, electricity, etc. for the site establishment area. No Contractor's representatives, workers are allowed to sleep at establishment area or within hospital premises

ORDER OF WORKS

Prospective bidders shall take cognization of the project shall be completed in maximum four (5) sections, and price accordingly.

The programming of the project must consider that the completion of section one (1), seven calendar Days (7 days) lay off shall be required to enable the decanting into completed renovated areas.

The successful bidder will programme and determine sections 1 – 5 (maximum) duration. The overall Contract duration is stipulated in the Contract Data

ACCEPTANCE OF TENDERS

The State, the Employer does not bind itself to accept either the lowest or any other bid and reserves the right to accept the bid which it deems to be in the best interest of the State even if it implies a waiver by the State, the DoH, of certain requirements which the State, the Employer, considers to be of minor importance and not complied with by the bidder.

MINIMUM WAGE

The Contractor shall adhere to "The national minimum wage determined by the Minister in accordance with the National Minimum Wage Act (NMWA)", and yearly pronounced increases for duration of contract.

TEMPORARY WORKS

All temporary work to comply with the Construction Health and safety Act (Act 85 of 1993) and its regulations.

EMPLOYER'S DESIGN

N/A

DESIGN BRIEF

N/A

SYSTEM LOW VOLTAGE

The supply to all the Electrical installation shall be 400/230 Volts, 3 phase, 4 wire, 50 Hertz, Earthed Neutral.

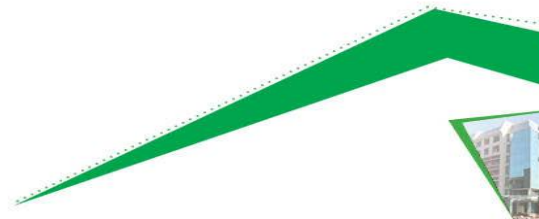
SCHEDULE OF MATERIALS

In all instances where schedule of materials are attached or included on the drawings, these schedules are to be regarded as forming part of the specification.

All materials and equipment procured by the Electrical Subcontractor must be made in South Africa. Where this is not possible, the Electrical Subcontractor must provide to the Engineer or Engineer's Representative validating evidence that such material and/or equipment is not available South Africa.

CONTRACT DRAWINGS

Drawings must be read in conjunction with this Specification and the Bills of Quantities. Any errors, discrepancies or contradictions found between the Drawings, the Specifications and the Bills of Quantities must be brought to the attention of the Engineer immediately they become evident.



The drawings generally show the scope and extent of the proposed work and shall not be construed as showing every minute detail of the work to be executed.

The position of power points, switches and light points that may be influenced by built-in furniture and equipment must be established on site prior to these items being built in.

Drawings will be issued to site accompanied by drawing issue slips. The drawing issue register reflecting the summary of all previously issued drawings with dates and drawing revisions will be issued at site meetings once a month.

POWER CABLE SLEEVES

Where cables cross paved, concrete or tarred surfaces and roadways where cables enter buildings, cables shall be run in Kabelflex PVC sleeves. Any other cable sleeves will not be acceptable.

The ends of all sleeves shall be sealed with a non-hardening watertight compound after the installation of cables.

All sleeves intended for future use shall likewise be sealed and provided with nylon ropes for pulling in future cables.

All sleeves shall be laid in at a minimum depth of 600mm below finished road levels. Slow bends approved by the Engineer shall be used where sleeves enter buildings.

NOTICES AND FEES

The Contractor shall liaise, issue all notices and make the necessary arrangements with Makhana Local Municipality / Eskom for power connection.

The Contractor shall give all notices required and pay all necessary fees which may be due to the relevant authorities.

EXISTING SERVICES

The contractor shall be held responsible for damage to any existing services shown on the drawings and/or brought to his attention by the relevant authorities. The repairs to such damaged underground services will be to the contractor's account.

To avoid damaging existing underground services and existing underground electrical cables that cannot be pointed to him, the contractor shall supply and use detection equipment for the location of underground services.

QUALITY OF MATERIALS

Materials are to comply with the relevant South African National Standards (SANS), or to IEC specifications, where no SANS specifications exist. All materials used shall bear the SABS mark of approval as applicable.

All materials must be of South African manufacture unless this is not possible.

BALANCING OF LOAD

The Electrical Subcontractor is required to balance the load as equally as possible over the multiphase supply during the construction period of the Contract.

The Electrical SubC is, then, to return to site at Final Completion to take current readings from all the distribution boards and balance the loads where necessary. This is to be done with the Engineer or the Engineer's Representative in attendance.

SUPERVISION

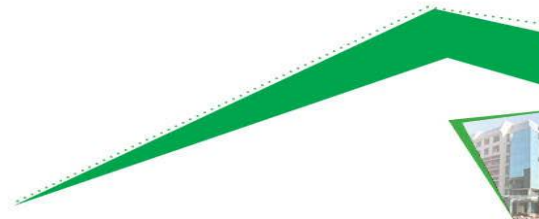
The work shall, at all times for the duration of the Contract, be carried out under the supervision of a skilled and competent representative of the Electrical Subcontractor, who will be able and be authorized to receive and carry out instructions on behalf of the Electrical Subcontractor. A sufficient number of workmen shall be employed at all times to ensure satisfactory progress of the work.

WORKMANSHIP

All inferior work shall, on indication by the Engineer, immediately be removed and rectified by and at the expense of the contractor.

SUPPLY OF MATERIAL

The Employer reserves the right to supply material or equipment to the contractor for installation. The contractor must arrange for taking delivery of and providing safe storage for such materials or equipment and he/she will be held responsible for all damages to or loss of such materials or equipment while they are in his/her custody. The contractor



will submit the installation rate of such materials or equipment to the Engineer if not included in the priced Bills of Quantities.

SAMPLES AND DRAWINGS

The contractor is required to submit for approval, comment or records, samples of materials upon which his offer is based prior to installation. Any approvals given or comments made shall be on the generality of the scheme and shall not relieve the contractor of his responsibility to ensure full compliance with all performance, regulatory criteria and latent defects experienced.

Samples forwarded shall remain in the site stores until completion of the Works. The samples will be the last items to be embodied in the installation.

All expenses in connection with the supply and return of the samples shall be borne by the contractor.

SWITCHES AND SOCKET OUTLETS (SSO)

General

Covers shall be of pressed galvanised powder coated steel of at least 1mm thickness and similar to Clipsal, Crabtree or Lesco and manufactured in accordance with SANS 1084. The Electrical Subcontractor may submit equivalent alternatives to the Engineer for approval.

Light switches and switched socket outlets plates must be provided with earth studs and all light switch boxes shall be connected to the earth conductor.

For uniformity only one make must be installed.

Light Switches and Occupancy Sensors

Light switches shall be of 250 Volts grade and comply with SANS 1085 as amended and bear SABS mark.

Light switches shall be rated at 16 Amperes.

Light switches exposed to the weather must be of an approved watertight type.

Multigang switches are to be used where more than one light switch is indicated on the drawing.

180° PIR + Microphonics ceiling and wall mount and 360° PIR + Microphonics ceiling mount must have an IntelliDAPT® technology, self-adjusting timer, self-adjusting passive infrared (PIR) sensitivity, automatic false-on / false-off corrections with no manual adjustments required

Time Delay Auto mode: 4 – 30 minutes;

Self-adjusts based on occupancy Fixed mode: 4, 8, 15, and 30 minutes

Test mode: 5 seconds

Voltage: 220 – 240V/AC; Frequency: 50/60Hz

Load: LED max: 300W

Detection Range: 1 – 10m

Light level: 10 – 2 000 LUX

Natural light override range: 100 – 5000 LUX

Time setting: 10 seconds – 30 minutes; Detection Angle: 120 °

Installation height: Approx. 1.4 m for wall mount

Working Temperature: -10°C to +40°C

If the lights are OFF, pressing the button will turn the lights ON for as long as the room is occupied. The lights will turn OFF once the room is vacant, after the delayed OFF time expires.

If the lights are ON, pressing the button will turn the lights OFF and keep them OFF even if the room is occupied.

This feature is particularly useful for presentations or when the automatic motion sensor settings need to be overridden.

The lights can be turned back ON by simply pressing the button. The sensor will return to normal operation.

Switches which shall be of the single pole, rocker operated type in existing flush mounted 100mm x 50mm x 50mm galvanised boxes.

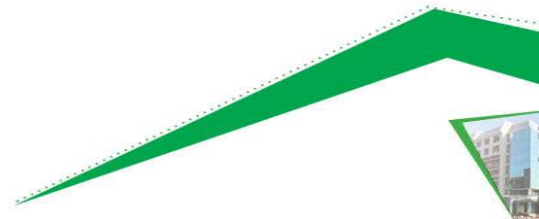
Socket Outlets

Switched socket outlets shall comply with SANS 164-1 and SANS 164-2 which has the same hexagonal profile as the Europlug commonly seen on cell phone chargers, but allows for an earth pin as amended and rated at 16 Amperes, 250 Volts.

Socket outlets shall be of the standard 3-pin shuttered base type and bear SABS / SANS mark.

Socket outlets indicated on walls shall be of the flush type flush mounted 100mm x 100mm x 50mm galvanised boxes.

All surfaces mounted switch socket outlets to be in 100 x 100 x 50 extension outlet boxes mounted on the wall surfaces.



Colours of outlet boxes and cover plates to match.

All switched socket outlets mounted in power skirting to have matching cover plates.

Further details of these outlets are listed in the Switch, SSO and Isolator Schedule.

The Contractor will be responsible for the installation of power points to feed equipment such as water heaters, air-conditioners, fans, security equipment, etc.

This equipment, if supplied and installed by others, will be connected by the electrical subcontractor.

The cover plates to all outlets shall be fixed after the final coat of paint has been applied.

The Tenderer shall allow for this in his programme and pricing of the Works.

Labelling

All light switches and sockets shall be permanently labelled with a circuit number e.g

Pn/m: DB Name

Ln/m: DB Name

where n = circuit number (1, 2, 3, etc)

m = component number in the circuit

LUMINAIRES AND LED TUBES & DRIVERS

All luminaires to be supplied by the Electrical Subcontractor shall have the approval of the Principal Agent.

Luminaires must be of the type specified in the Schedule of Light Fittings.

Luminaires

The Electrical Subcontractor shall supply luminaires complete with lamps in separate boxes. All internal luminaires shall have LED tubes and dimmable driver and external luminaire must have LED module and driver.

Installation

The installation and mounting of luminaires must conform to the manufacture's specification that must be obtained by the Electrical Subcontractor.

The contractor is to note that in the case of board and acoustic tile ceilings i.e., as opposed to concrete slabs, close co-operation with the Principal Contractor is necessary to ensure that as far as possible luminaires are symmetrically positioned with regard to the ceiling pattern. The lay-out of the luminaires as indicated on the drawings must be adhered to as far as possible, and where this is not possible due to partitioning, etc., the Principal Agent's decision must be sought.

Luminaires installed against concrete ceilings shall be screwed to the outlet boxes and in addition 2 x 6mm expansion or other approved type fixing bolts are to be provided. The bolts are to be 3/4 of the length of the luminaires apart.

Luminaires to be mounted on board ceilings shall be fixed onto wooden brandering and where necessary, additional brandering must be provided for this purpose. The fixing screws are to be placed 3/4 of the length of the fitting apart. Earth conductors must be drawn in with the circuit wiring and connected to the earthing terminal of all fluorescent luminaires as well as other luminaires exposed to the weather.

Bulkhead luminaires are to be screwed directly to the concrete and brick work with approved expansion type of fixing plugs and round head screws. Against board ceilings luminaires shall be secured to the brandering or joists by means of two 40mm x No. 8 round head screws.

LED Module

LED modules to be supplied with luminaires must be from manufacturers listed below. Any other similar lamps may be submitted for approval:

Tridonic, Osram, Vossloh-Schwabe

LED Driver

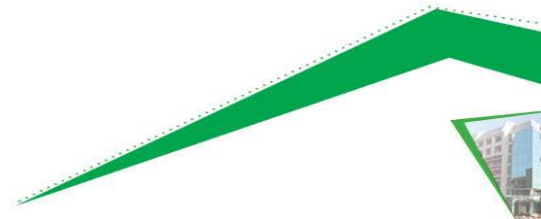
LED drivers and module to be supplied with luminaires must be from manufacturers listed below. Any other similar lamps may be submitted for approval:

Tridonic

Vossloh Schwabe

Osram

Phillips



NOTE: No-name brands and brands of dubious quality and origin are not acceptable.

SCHEDULE OF LUMINAIRES

Luminaires and accessories are to be according to this Specification and shall be approved by the Engineer.

As a minimum requirement, all luminaires to be installed in this contract shall bear a SABS or IEC mark of quality approval including their components

LED luminaires to have cool white for offices and classrooms and warm white for public spaces

All luminaires to

Have Tridonic LED module and driver with dimmable option with 3m cable with 5A plug and 3 year Warranty

LED luminaires to be 4000K with Ra of not less than 80

Life cycle: 60000 hours lifetime @ Tq 25 0C minimum and L70 derating, 80 or more colour rendering index CRI > 80.

Surge protection device: 5kV/5kA (this will depend on the location, for indoor it is usually between 5kV/5kA and 10kV/10kA and for outdoor is 20kV/20kA)

Insulation classification: Class 1

Driver shall comply with IEC 61347-1 & IEC 61347-2-B as applicable and shall be suitable for operation on 230V +/- 10% 50Hz single phase system and it must be insured that harmonics filter is provided as per SANS 61000-3-2.

The driver and LED circuitry shall be protected against lightning and power surges.

The suitable surge arrester with 10kA rating shall be provided for indoor installations and 20kA for outdoor installations.

The driver should be 198 – 277V tolerance.

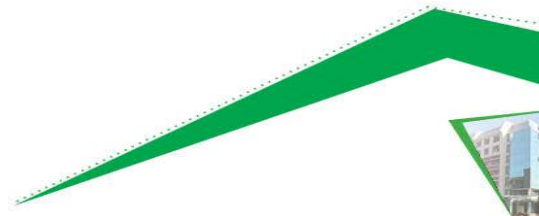
Driver – Built in Tridonic driver must have 5-year guarantee.

Luminaires shall be suitable for operation with Mid Power LED's. Note that no LED tubes are allowed to be used.

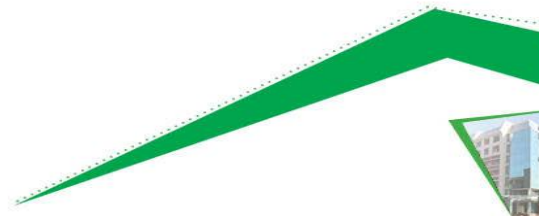
Power factor capacitors shall be supplied to correct the power factor to at least 0.95 or higher.

THERMAL: the luminaire must be able to withstand an ambient temperature of 350 C. Storage temperature of the luminaire should be able to handle -40 0C <T<60 0C. To this end internal electrical and mechanical components shall not be allowed to exceed their maximum temperature ratings of 750C. Test report from an independent authorized testing facility proving this requirement shall be made available to the Department on request.

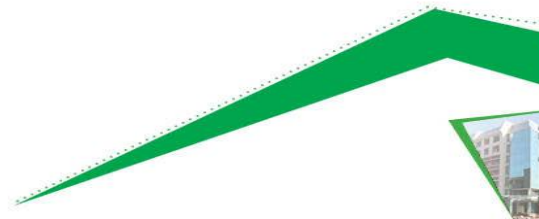
Noise: Due to the sensitive environment in which the luminaire is used, the noise level emitted from the luminaire shall be kept as low as possible. Drivers/electronic components shall, therefore, comply fully with the requirements of the latest edition of SANS 55015.



Type	Description of the luminaires	Pictures of luminaires
A	50W LED wall mounted neutral white 840 LED colour temperature (4000K) floodlight with 10kV/10kA surge protection, theft-proof preventing removal of the luminaire on a ø42mm, Incorporated nema socket assembly / Downward facing daylight switch, adjustment knuckles enable correct alignments on existing side or bottom entry spigots and IP 66 rating; Materials and finishing: Housing – Marine grade high-pressure die-cast aluminium Housing Finish – Unpainted aluminium Protector – High impact polycarbonate (IK 10) Operating Conditions: Operating temperature range (Ta): -350C to +400C Lifetime of LED at Tq 250C – 80 00 hours – L70B10 Lifetime of Drivers at Tq 250C – 100 00 hours ≥10% failure rate	
C	20W LED outdoor decorative wall mounted bulkhead, die cast aluminium base, opal non-discolouring high impact acrylic injection moulded diffuser with eyelid, captive washers, captive Allen key screws, the diffuser must be permanently sealed to the aluminium base and must be supplied with a 300mm supply lead, mains connections must be by means of a suitable screw terminal block with a wire clamping contact, the trim ring casting is manufactured from high-pressure die-cast aluminium and is finished in a special multi-stage epoxy powder surface coating IP66 rating and SABS approval;	
FL	50W LED pole mounted neutral white 840 LED colour temperature (4000K) floodlight with 10kV/10kA surge protection, theft-proof preventing removal of the luminaire on a ø42mm, Incorporated nema socket assembly / Downward facing daylight switch, adjustment knuckles enable correct alignments on existing side or bottom entry spigots and IP 66 rating; Materials and finishing: Housing – Marine grade high-pressure die-cast aluminium Housing Finish – Unpainted aluminium Protector – High impact polycarbonate (IK 10) Operating Conditions: Operating temperature range (Ta): -350C to +400C Lifetime of LED at Tq 250C – 80 00 hours – L70B10 Lifetime of Drivers at Tq 250C – 100 00 hours ≥10% failure rate	



FL	76W LED pole mounted streetlight, neutral white 840 LED colour temperature (4000K) floodlight with 10kV/10kA surge protection, theft-proof preventing removal of the luminaire on a ø42mm, Incorporated nema socket assembly / Downward facing daylight switch, adjustment knuckles enable correct alignments on existing side or bottom entry spigots and IP 66 rating; Materials and finishing: Housing – Marine grade high-pressure die-cast aluminium Housing Finish – Unpainted aluminium Protector – High impact polycarbonate (IK 10) Operating Conditions: Operating temperature range (Ta): -350C to +400C Lifetime of LED at Tq 250C – 80 00 hours – L70B10 Lifetime of Drivers at Tq 250C – 100 00 hours ≥10% failure rate	
FL	103W LED pole mounted streetlight, neutral white 840 LED colour temperature (4000K) floodlight with 10kV/10kA surge protection, theft-proof preventing removal of the luminaire on a ø42mm, Incorporated nema socket assembly / Downward facing daylight switch, adjustment knuckles enable correct alignments on existing side or bottom entry spigots and IP 66 rating; Materials and finishing: Housing – Marine grade high-pressure die-cast aluminium Housing Finish – Unpainted aluminium Protector – High impact polycarbonate (IK 10) Operating Conditions: Operating temperature range (Ta): -350C to +400C Lifetime of LED at Tq 250C – 80 00 hours – L70B10 Lifetime of Drivers at Tq 250C – 100 00 hours ≥10% failure rate	
P	600mm x 600mm 40W LED panel for tuneable colour temperature, with polycarbonate diffuser and aluminium frame. Includes LED driver and 3m cabtyre.	
P-E	600mm x 600mm 40W LED panel for tuneable colour temperature, with polycarbonate diffuser and aluminium frame. Includes LED driver and 3m cabtyre including 3-hour battery pack.	



PT	46W LED post top area/security/street luminaire with high pressure die cast aluminium, base and gear plate, a top cover made of ASA and a high-impact acrylic protector, glare-free light due to the highly efficient white reflector (symmetrical light distribution), M8 stainless steel and anti-corrosion treated grub screws, non-discolouring clear high impact acrylic diffuser, post anodised reflector, galvanised 4m pole, IP65 rating and SABS approval mark	
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EARTHING AND BONDING

General

Earthing shall generally be in accordance with:

SANS 10142-1: Wiring Code,

SANS 10198: Part 3 - Earthing System; General Provision

Part 12 - Installation of Earthing Systems

SANS 1063: Earth Rods Couplers and Clamps

AMEU Code of Practice for the application of protective multiple earthing to low voltage distribution systems and The OHS Act 85 of 1993.

Trench Earthing

The trench earth shall be laid alongside and not above cables.

All connections shall be by means of crimped lugs and bolted connections.

Earth Terminal

A readily accessible earthing terminal shall be provided, near the trap door in the ceiling, for the bonding of other services such as a telephone, an audio system, a video, and the like, to the building. Such an earthing terminal shall be bonded to the consumer's earth terminal in the main distribution board by a conductor of at least 6mm² copper or equivalent, and shall be identified by the earth symbol.

NOTE: Providers of services other than the electrical power services should not access the distribution board or other parts of the electrical installation.

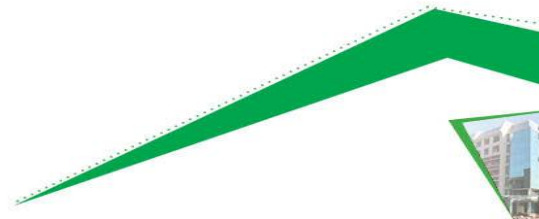
LIGHTNING PROTECTION SYSTEM

The Electrical Subcontractor shall be responsible for the employment of an accredited specialist sub-contractor to design and install the lightning protection system (LPS). A provisional sum has been allowed for in the Bill of Quantities for the lightning protection system. The Electrical Subcontractor will be instructed to obtain quotations from specialist LPS sub-contractors who will submit their quotation accompanied by the full analysis and design of the LPS system as directed below.

NOTE: No quotes will be considered without this full analysis and design of the LPS system.

This specialist shall conduct a full survey of the buildings to be protected in order to evaluate the type of lightning protection system to be implemented. This survey must be conducted in accordance with the latest following SANS codes of practice:

SANS 10313: Protection against lightning – Physical damage to structures & life



hazard.

SANS 62305-1: General Principals.

SANS 62305-2: Risk management.

SANS 62305-3: Physical damage to structures & life hazard.

SANS 62305-4: Electrical & electronic systems within structures.

SANS 1063: Earth rods, couplers & connections.

SANS 10199: The design & installation of earth electrodes.

The LPS specialist shall provide a risk analysis spread sheet to conclude the buildings classification.

The risk analysis shall take into account the following criteria.

Type of structure:

Construction of walls.

Roof construction.

Roof covering.

Equipment on the roof.

Contents of the structure:

Risk of panic.

Kind of contents.

Value of contents

Measures for reduction of damage.

Consequential losses:

Danger to the environment.

Loss of services to the public.

Other consequential losses.

Based on the above results and in conjunction with location and accepted annual frequency of lightning flashes the required protection level must be established. The design methodology (protective angle, grid or rolling sphere) used for the system must be stated and it must be shown with the use of drawings that the building / structure falls within the shielding offered by the LPS.

The LPS specialist shall also provide drawings to indicate the positions of the air termination system and down conductors. Where applicable the down conductors are to be installed in down pipes. Each down conductor should be bonded to the air termination system and be terminated to a 1 200mm copper earth spike in the ground.

The issue of a Certificate of Compliance for the Lightning Protection Systems is compulsory on completion of the installation.

MOUNTING HEIGHTS

Unless indicated differently on drawings all boxes must be mounted as follows:
(Measurements to be taken from the finished floor level to underside of a box).

Wall switches, general : As per existing height. New areas to match

Switched socket outlets : As per existing height. New areas to match

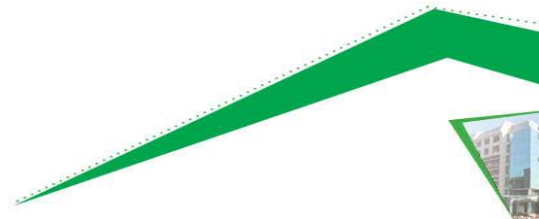
Outside wall outlets for luminaires: As per existing height. New areas to match

Stove isolators and pushbuttons : 1 200mm

On-tap hot water dispenser isolators : 2 000mm

WIRING

Lighting and Power wiring in conduit and channel wireways shall comprise 600/1000V single core PVC insulated copper wire sized in accordance with the distribution board schematics. Conductor outer sheaths shall be of the



following colours:-

Phase Conductors:	red, white, blue
Neutral :	black
Earth :	green or yellow/green

Conductors shall not be drawn into conduit until the conduit installation has been completed and all conduit ends are provided with bushes, dried out and cleaned, etc.

The loop-in system shall be followed through out, and no joints of any description will be permitted. The earth wire must be continuous and can be common in the same conduit. If cut, the earth wire must be ferruled with a spigot type ferrule.

The following sizes of PVC insulated stranded copper conductors must be used:

Light fittings	: 1,5mm ²
Socket outlets	: 2,5mm ²
Mechanical equipment isolators	: 2,5mm ²
Solar water heaters isolators	: 2,5mm ²

Bare copper earth continuity conductor must be drawn into wireways with the "live" conductors and connected to the earth pin of the socket outlet and earth terminal block at the respective Switch Board.

WIREWAYS

Wiring Channels

Wiring channels, wherever indicated on the drawings, shall be medium duty of Cabstrut, Cooper B-Line or similar manufacture and shall be complete with corner pieces, end pieces, junction pieces, supply conduits and cover plates as specified and indicated on the drawings. Note that Nylon or plastic nuts or fasteners will not be accepted.

The channels shall be manufactured of rolled sheet steel and hot-dip galvanised to SANS 763.

Channels shall be cold galvanised at all joints, sections that have been cut and at places where the galvanizing has been damaged.

Conduit and Conduit Accessories

Unless indicated differently on the drawings conduit and conduit accessories shall be PVC to SANS 950.

Draw-boxes and bonding trays are to be provided in accordance with the "Wiring Code" and wherever necessary to facilitate easy wiring. Draw boxes are not measured separately in the Bill of Quantities. The Electrical Subcontractor must therefore include the cost of draw boxes and bonding trays in the conduit rates

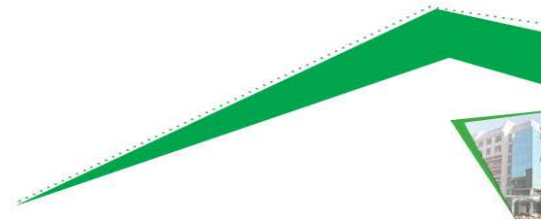
23.2.1 Installation

A maximum of plug circuits or 3 light circuits per 20mm diameter conduits will be permitted. Therefore, before conduit installation care must be taken to work out from the construction drawings the number of circuits required in any section.

MEASUREMENT OF QUANTITIES

For construction and installations, the contractor shall take quantities from the latest available revised construction drawings and physically measure cable routes on site before ordering.

Quantities in the Bills of Quantities must not be used for ordering.



LV DISTRIBUTION BOARDS

Distribution boards must be manufactured and wired by a specialist distribution board manufacturer who is a member of the Electrical Contractor Association. Readymade boards purchased from hardware shops and wholesalers and wired by the contractor are not acceptable.

Distribution Boards Layout

The layout shall be such that three phase and single phase sections are mechanically and electrically separated. Single phase sections of three phase boards shall be arranged in three horizontal parallel rows, directly above on another and in the phase sequence L1 - L2 - L3 from top to bottom.

Lighting and power circuits shall be separated by a dummy space and along the horizontal rows. Extra space for future circuits shall be allowed for at the right hand side of each lighting and power row, in the ratio of one spare space for each four lighting or power circuit installed (25%). A minimum of one space shall be allowed to each lighting and power row. Dummy covers are to be provided over spare spaces. Similar provision for future circuits shall be made on the bus-bars, neutral and earth bars.

Any part of the distribution board metal work shall be electrically continuous and a suitable stud shall be provided for the earthing of the enclosure. An earth bar must be provided in the bottom of the distribution boards for the connection of earth conductors for other services.

Marking and Labelling

The distribution boards shall be fitted with identification labels engraved with the reference logos indicated on the wiring diagrams. The labels shall be affixed to the front of the panels or in a similar prominent position, by drive screws or other approved method.

DB's label shall indicate the following information:

DB name eg, "SDB-G"

Where it is fed from and the cable and earthwire sizes e.g., "Fed from MBD-G with 35mm² 4-core SWA ECC cable"

Each individual item of equipment installed in the panels shall be identified by a label engraved with the corresponding diagram reference.

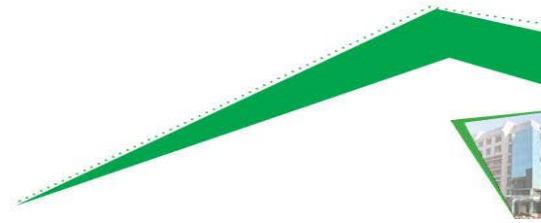
Note: Self-adhesive tape labels, such as Brother™ labelling machines will not be considered suitable for this purpose.

Each wiring termination of contactors, timers, shunt trip coils, etc shall be fitted with a concentric wire marker marked with unique numbers and indicated on the DB as-built schematic diagram. Clip-on and stick-on cable markers will not be considered suitable for this purpose.

Where an outgoing terminal block is provided, each individual terminal shall be marked with unique numbers and indicated on the DB as-built schematic diagram.

Purpose made labels shall describe the various sections or functions of the panels, to facilitate the identification of the equipment and relate it to the diagrams.

Drawing Pocket



Each distribution board must be provided with A4 size pockets, fixed on the inside of doors to store two A1 size drawings which will be folded into A4 size.

Equipment

Unless otherwise stated on the drawings, the following minimum specification shall be assumed for equipment to be installed in the panels:-

Moulded Case Breakers (MCB)	SABS Class 15 kA
Miniature Circuit Breaker (mccb)	SABS Class 6 kA

Shop Drawings

Prior to manufacture the Contractor will be required to submit to the Engineer for approval, factory shop drawings for each distribution board. No request for relaxation of this requirement shall be entertained. The drawings must, at least, indicate the following information:

- Outside distribution dimensions,
- Notes giving detailed description of components and equipment in each board,
- General arrangement of installed equipment,
- Schematic wiring diagrams with fault levels,
- List of equipment to be installed; details to include rating, make and type number,
- Distribution board labels,
- Circuit breaker and isolator label names, as per schematic diagram,
- Project name,
- Drawings number,
- Size of legend card slot.

Steel Cages

All external distribution boards shall have lockable hot dipped galvanised steel cages.
These shall be 1000mm x 800mm x 300mm(D) and shall be painted (colour to be decided by the architect).

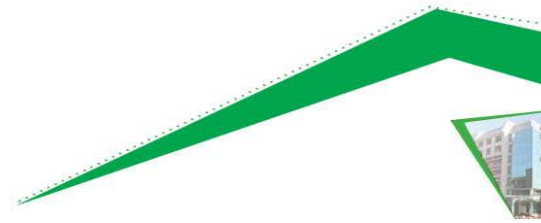
INSTALLATION GUARANTEE

The whole installation shall be guaranteed for the period stated in Contractor Data from the date of Practical Completion.

PRATICAL COMPLETION

Practical completion shall take place only after the whole installation has been accepted by the Engineer and;

- All damage that may have been done by the Electrical Contractor or other parties in the process of the installation has been repaired and made good
- All tests of the general building's electrical installation has been done and tests results have been submitted to the Engineer,
- The completed Certificate of Compliance for Electrical installation have been submitted to the Engineer,
- The completed Certificate of Compliance for Lightning Protection System installation have been submitted to the Engineer,
- All equipment guarantees, if any, have been submitted to the Engineer,
- Correct As-Built drawings have been submitted and accepted by the Engineer,
- The building has been cleared of all debris and electrical waste materials and left in a neat and tidy condition,
- All three phases have been balanced and witnessed by the Engineer. This may require the Contractor to return to site when the building is occupied to take current measurements and rebalance phases.



FINAL COMPLETION

Final Completion shall be taken on expiration of the maintenance period which is stated in the Contract Data calculated from the date of taking the Practical Completion.

The final payment will not be approved without the submission of all the above information under 26 and accepted by the Engineer.

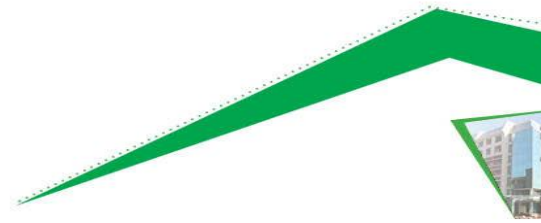
CABLE TRENCHES

Prior to payment of final retention monies, all cable trenches shall be checked for settling and repaired as necessary.

TENDER DRAWINGS

The following tender drawings are attached to this document

Drawing No.	Revision No.	Title	Size
P2402-PRF-FE-001	02	SDP CCTV LAYOUT	A3
P2402-PRF-FE-002	00	FLOOR PLAN: CONTROL ROOM ELECTRICAL LAYOUT	A3
P2402-PRF-FE-003	02	CCTV CONTROL ROOM LAYOUT	A3



Section 2: Uninterruptible Power Supply (UPS)

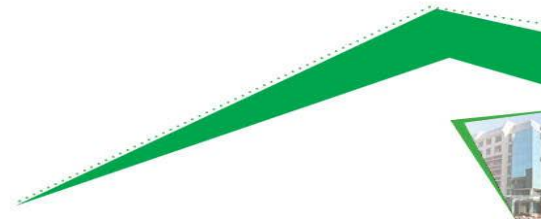
SPECIFICATION FOR THE SUPPLY AND INSTALLATION OF UPS UNIT

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REFERENCES AND STANDARDS.

SANS IEC 62040-1-2:2003, Uninterruptible power systems (UPS)
Part 1-2: General safety requirements for UPS used in restricted access locations.
SANS IEC 62040-2:1999, Uninterruptible power systems (UPS)
Part 2: Electromagnetic compatibility (EMC) requirements.
SANS IEC 62040-3:1999, Uninterruptible power systems (UPS)



Part 3: Method of specifying the performance and test requirements.
ISO 9001: 2000
ISO 14001: 1996

ABBREVIATIONS.

IEC: International electro-technical commission.
SANS: South Africa National Standards.
UPS: Uninterruptible power supply.
MTBF: Means time between failures.
AC: Alternating current.
DC: Direct current.
IGBT: Insulated gate bi-polar transistor.
OEM: Original equipment manufacturer.
VFI: Voltage Frequency Independent.

GENERAL.

The main reasons for the use of (UPS's) are the provision of uninterrupted AC power to critical load equipment. Continuity of conditioned electric power to the critical load bus shall be maintained for the defined period of time by the UPS system and associated battery. This specification covers the UPS system type, design, supply, delivery, installation, testing and commissioning of a continuous duty parallel redundant, uninterruptible power supply complete with maintenance free sealed battery.

NO.	QTY	SCOPE OF WORK
BACK-UP POWER SUPPLY SYSTEM		
3.1	UPS Solution	
	1	10kVA / 9KW 6U ON-LINE SINE WAVE Rack mountable UPS with 19.2kWh Lithium-Ion Battery Pack (LiFePo4), Internal battery pack 192V/100Ah (19,2kWh), 10 hours run time, Input Voltage 400VAC, Output Voltage 400VAC, 50 Hz Crystal Controlled, Sine Wave Inverter, 60dBA noise level and built-in lightning and surge protection, robust electrical design, dust filter and conformance-coated boards for harsh environments, Mains Fail Alarm (Slow intermittent beep), Low Battery Alarm (Continuous beep), Mains on indicator, Charging indicator, By-Pass Indicator, LCD Display (Full UPS Status reporting), Diagnostic software via USB port and SNMP with Megatec Protocol - Black = 10 hours Duration
	1	SNMP Network Card WTU / GTU / GRU ON-LINE UPS
	1	Modbus Card for WTU / GTU / GRU ON-LINE UPS
	1	Rack Mount Kit for GRU Rack mountable UPS
	2	5kVA ON-LINE UPS (with AVR, Monitoring Software + Cable & Built-in Surge Protection) – Black = 10 hours Duration

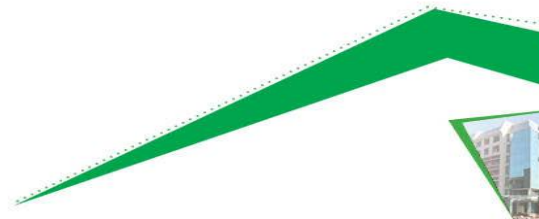
SYSTEM DESCRIPTION.

The UPS shall comprise a rectifier, inverter, battery and static bypass switch. The UPS system and all associated equipment and components shall be manufactured in accordance with the SANS IEC 62040 standards. UPS shall be true online technology VFI in accordance with IEC 62040-3.

4.1 Rectifier

Rectifiers shall be of the solid-state type. The input rectifier shall convert the utility input AC voltage into DC voltage. The rectifier shall include protection against primary power surges. The rectifier shall have a programmed input current waveform so that the relative total harmonic content shall not exceed 7% at all load levels. The rectifier shall have a soft start power walk in control mechanism, this mechanism shall ensure that when utility input AC voltage is restored following an outage, the rectifier shall initially draw no power and have no form of transformer inrush current. The input power requirement shall rise to a level determined by the power required to drive the UPS inverter and re-charge the relevant connected battery at a pre-set recharge power.

4.2 Battery Charger / battery management:



The battery charger shall employ a charging technique that continuously monitors the battery charge status. The battery charger shall charge the battery until full battery standby capacity is achieved, followed by a pre-determined rest period. The battery charger shall automatically adjust the charging voltage in proportion to the ambient temperature. The battery management system shall automatically test the battery status and capacity.

4.3 Battery:

The batteries shall be of lead-acid type factory mounted and wired in the UPS cabinet. The tenderer shall submit full technical data of the battery offered under the tender and shall provide calculations to show the number of cells required and their capabilities which shall match the load requirement and the charging characteristics of the UPS requirement being offered. The design life span of the battery shall not be less than 10 years and battery autonomy time shall be 10 HOURS. UPS battery system shall consist of at least 4 strings of batteries. The tenderer shall provide a suitably rated enclosed battery fused isolator for the UPS system.

4.4 Inverter:

Inverters shall be of the solid-state type. The UPS inverter shall convert the DC link voltage into 400V 50Hz 3 Phase 4 wire AC voltage. The inverter shall be of sufficient capacity to supply the continuous steady rated load plus time rated overloads. The conversion of DC to AC shall be accomplished by power transistors of the IGBT type. The output frequency of the inverter shall be controlled by an oscillator, which can operate synchronized with a separate AC bypass source. The UPS inverter shall be capable of load sharing without the need of communications wiring, each UPS inverter in a parallel redundant system shall have the ability to synchronize and support the critical load independently. The inverter shall be able to handle short-circuit conditions without damage.

4.5 Static bypass switch:

An automatic static bypass switch shall provide an alternative source of electrical power to the critical load in the event of a remarkable variation of the system output voltage. The automatic static bypass switch shall return the critical load automatically to the UPS system inverter when the remarkable variation is within limits.

OPERATIONAL INTERFACE.

The UPS system main control panel shall include the following measurements, controls and indications.

5.1 UPS Input measurements:

Voltage, Current, kVA and kW.

5.2 UPS Output measurements:

Voltage, Current, kVA and power usage. The UPS output power usage should include load trending with average and maximum load profiles logged in real time.

5.3 UPS Battery measurements:

Voltage, discharge current, re-charge current and battery autonomy time remaining. The battery autonomy time remaining calculation shall be based on a load versus battery capacity measurement.

UPS REMOTE MONITORING:

The UPS must be provided with the following capabilities

To control the protected servers (controlled shutdown) and for local or remote supervision of the UPS.

Network Management Card

To connect the UPS to the Ethernet 10/100 network, to relay SNMP warnings and to supervise the UPS via a single Web interface (Modbus).

Status information card

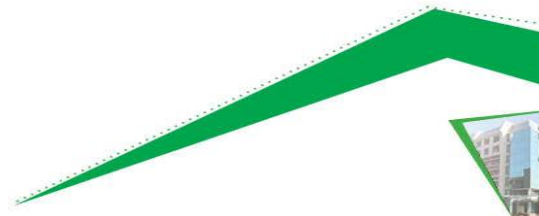
To relay the status of the UPS via volt free contacts, plus emergency stop.

TENDER SUBMISSION.

The tenderer shall submit detailed OEM UPS and Battery specifications. The tenderer shall submit copies of all the relevant SANS or IEC specification certificates. The tenderer shall submit functional descriptions, dimensions, weights and heat dissipation of the UPS units and all associated equipment. The tenderer shall submit a floor layout plan including cable entry points and installation drawings.

ACCEPTANCE.

An acceptance test shall be carried out by the contractor's engineer and witnessed by the project engineer. The tenderer shall provide commissioning and handover certification to the project engineer. The tenderer shall provide for an optional off-site load acceptance test. The off-site load acceptance test shall be in accordance with SANS IEC 62040-3:1999, Uninterruptible power systems (UPS)-Part 3: Method of specifying the performance and test requirements. All instruments employed for testing shall be certified by an accredited calibration service.



MAINTENANCE.

The tenderer shall be responsible for the maintenance of the UPS system for the duration of the warranty period. The tenderer shall include a maintenance agreement for the subsequent maintenance of the system for consideration by the end-user. The tenderer shall provide evidence and undertake that round the clock on-call, region based, OEM trained and employed repair engineers are available to attend to system failures.

SCHEDULE OF UPS INFORMATION

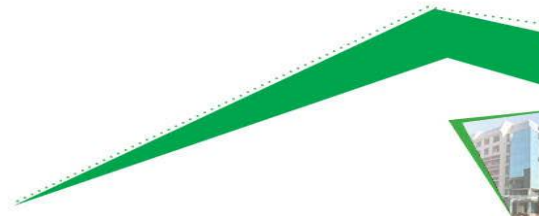
The tenderer is required to provide information on offered UPS by completing all the blank spaces of the forms below.
System Description

Total rated power (kVA) at PF 0.8		10	kVA
Manual maintenance bypass rated			kVA
Name of Manufacturer			
Range of products		Not Applicable	
Operating mode (IEC 62040-3)			
Continuous operation at 40 °C	Yes		No

Total rated power (kVA) at PF 0.8 with AVR, monitoring software + cable & built-in surge protection		2 x 5	kVA
Manual maintenance bypass rated			kVA
Name of Manufacturer			
Range of products		Not Applicable	
Operating mode (IEC 62040-3)			
Continuous operation at 40 °C	Yes		No

Rectifier

3-phase input voltage	at P _n	342-470 V	Yes		No	
	at 0.90 P _n	250-470 V	Yes		No	
With auto-transformer option	at P _n	337-460 V or 352-480 V depending on connection	Yes		No	
Sinusoidal current drawn (PFC)		not requiring auxiliary cabinet	Yes		No	
Sinusoidal input current		THDI upstream ≤ 3%	Yes		No	
Input power factor		PF > 0.99	Yes		No	
THDI, PF performance		constant from 30 to 100% of P _n	Yes		No	
Frequency		45-65 Hz	Yes		No	
Phase sequence		Wrong phase sequence is signaled by contact	Yes		No	
No inrush or start-up current			Yes		No	
Rapid battery charger		Backup time 10 minutes in t ≤ 11 hours, 4 hours in t ≤ 24 hours	Yes		No	
Voltage regulation		± 1%	Yes		No	
Independent regulation/monitoring systems			Yes		No	



Battery

Type: Standard	19.2kWh Lithium-Ion Battery Pack (LiFePo4), Internal battery pack 192V/100Ah in a cabinet		Yes		No	
Service life	≥10	Years	Yes		No	
Backup time	10	Minutes	Yes		No	
Integrated battery in UPS cabinet			Yes		No	

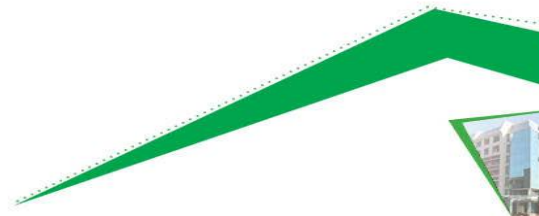
Battery management and protection

Automatic entry of battery parameters		Yes		No	
Temperature correction		Yes		No	
Measurement of actual backup time, depending on: load, temperature, age		Yes		No	
Cold start on battery power		Yes		No	
Protection against deep discharge with circuit-breaker opening		Yes		No	
Charge-current limiting	0.05 C10 to 0.1 C10 (depending on battery)	Yes		No	
Self-tests		Yes		No	
Battery meter		Yes		No	
Block by block monitoring		Yes		No	

Inverter

Three-phase output voltage with neutral		400 Volts	Yes		No	
Compensation	Adjustable line drop	0 to $\pm 5\%$	Yes		No	
Steady-state conditions		$\pm 1.5\%$	Yes		No	
Voltage transients		$\pm 3\%$ (load from 0 to 100 or 100 to 0 %)	Yes		No	
Output voltage distortion at Pn		THDU ph-N < 2% for linear loads	Yes		No	
THDU ph-N < 3% for non-linear loads			Yes		No	
Output frequency with neutral		50 Hz	Yes		No	
Variation in output frequency		± 0.5 Hz	Yes		No	
Frequency synchronization with an external source		Adjustable up to $\pm 8\%$ of rated frequency	Yes		No	
Overload capacity		150% In for 1 minutes	Yes		No	
		210% In for 1 second	Yes		No	
Current limiting		270% In for 150ms	Yes		No	
Crest factor		Up to 3:1	Yes		No	

Bypass function



Automatic bypass	With static switch	Yes		No	
Fuseless technology	No fuses in series with static switch	Yes		No	
Short-circuit withstand of static bypass	45In at 20 kVA / 19In at 120 kVA – 20 ms	Yes		No	
Static switch is protected against switching and lightning voltage surges		Yes		No	
Maintenance bypass		Yes		No	

Efficiency

Normal mode	> 92% at Pn, > 90 % at Pn/2	Yes		No	
ECO Mode	> 97% at Pn	Yes		No	

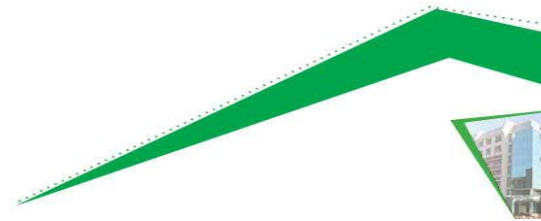
User interface

Graphic display in		languages	selection of operating language	Yes		No	
Customization menu with password				Yes		No	
Display	measurements, status, events, graphs			Yes		No	
Event log	time-stamping			Yes		No	
Controls	Separated ON/OFF buttons			Yes		No	
EPO terminal block				Yes		No	
Redundant interface with separated mimic panel			Not included on display	Yes		No	
Status indications			Audio alarm, LEDs	Yes		No	

Communication

Programmable relay card		Yes		No	
EPO terminal block		Yes		No	
3 slots for communication cards		Yes		No	
Options	Ethernet SNMP card	Yes		No	
RS485 JBus / ModBus card		Yes		No	
RS232 U-Talk card		Yes		No	
USB card		Yes		No	
XML-Web card		Yes		No	
Supervision software		Yes		No	
Administration software	with shutdown management	Yes		No	

Certification



Certified standards and tests		Yes		No	
Performance certification	TÜV	Yes		No	
Quality certification	ISO 9001 / 9002	Yes		No	
Eco-design and manufacturing	ISO 14001 site	Yes		No	

Installation

Cabinet height	1900mm maximum	Yes		No	
UPS cabinet weight (without batteries)	520kg maximum	Yes		No	
Installation against a wall		Yes		No	
Access to cable or bus bar connection through front		Yes		No	

Services

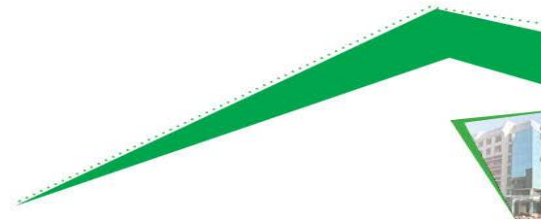
Technical competency of supplier	Level 4 NFX 060-010	Yes		No	
Diagnostics and monitoring	Remote	Yes		No	
Technical Support	International	Yes		No	

Operation/Maintainability

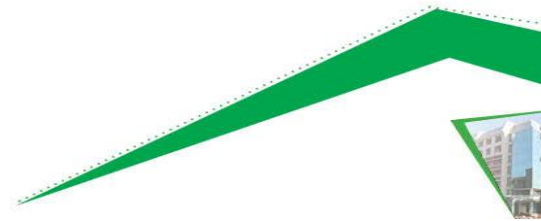
Safe maintenance	Built-in input, -output and bypass switches	Yes		No	
Access to power components through front		Yes		No	
Access to communication through front	hot-swap cards	Yes		No	
Access to batteries through front	hot-swap batteries	Yes		No	

ALTERNATIVE OFFERS.

Alternative offers will not be considered without the submission of a primary offer. The tenderer shall submit a compliance statement with the primary offer. All offers must comply with the relevant SANS IEC standards.



PART C4 – SITE INFORMATION



C4.1 SITE INFORMATION

Project title:	APPOINTMENT OF SERVICE PROVIDER FOR THE UPGRADE OF CCTV AND ACCESS CONTROL AT FORT ENGLAND PSYCHIATRIC HOSPITAL
Project Number:	SCMU5-26/27-0053

GENERAL

Prospective bidders to familiarize themselves with the locality, access, any other “restrictions”.

The site is the existing Fort England Psychiatric Hospital

Co-ordinates: 33°18'56"S 26°32'25"E

Refer site layout drawing.

4.1 Operational Protocols

- Security is a priority, and the site shall be kept safe at all times
- The approved Health and Safety plan shall be provided by successful bidder prior commencement and Health and Safety shall be adhered to at all times
- All staff members of the contractor shall wear PPE at all times
- All staff members of the contractor shall be always specifically identifiable and to this end shall wear a predetermined coloured overall to be able to enter and work on the site.
- Regular meetings (Progress, Technical Meeting and ad-hoc meeting), the frequency of which is to be determined.

4.2 Access

- Prospective bidders are to fully familiarize themselves with the site and access to the site and restricted area for site establishment.

3.4 Acceptance of Tenders

- The Employer is not bound to accept the lowest, or any tender, or any portion of any tender

3.5 Minimum Wage

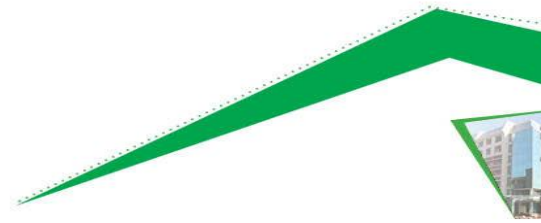
- The Contractor shall adhere to “The national minimum wage determined by the Minister in accordance with the National Minimum Wage Act (NMWA)” and yearly pronounced increases for duration of contract. (Currently R 30.23 for each ordinary hour.)

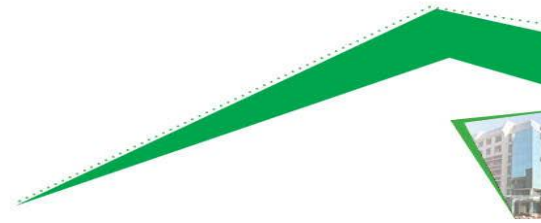
3.6 Drawings

- See list of drawings/Annexure's attached to this document.

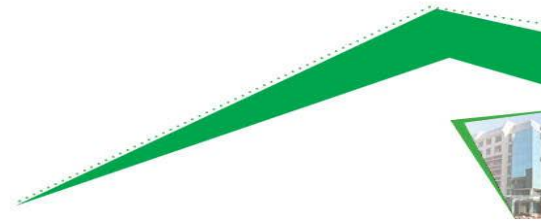
GENERAL

Prospective bidders to familiarize themselves with the locality, access, any other “restrictions”
(Refer to *Scope of Works C3*)



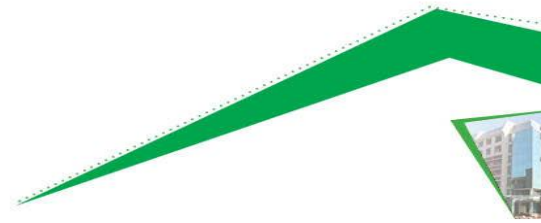


**EPWP SPECIFICATION
AWARDED TENDERER WILL BE REQUIRED TO ADHERE TO ALL EPWP
SPECIFICATIONS AND REQUIREMENTS.
FOR FULL SPECIFICATIONS AND REQUIREMENTS VISIT
www.epwp.gov.za**

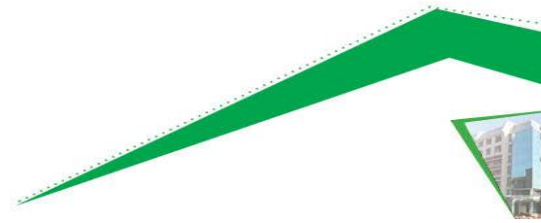


CONSTRUCTION HEALTH AND SAFETY

**AWARDED TENDERER TO COMPLY WITH ALL OCCUPATIONAL
HEALTH AND SAFETY REQUIREMENTS**



PART C 2.2: BILLS OF QUANTITIES



DRAWINGS