



public works & infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

BID DOCUMENT

PROJECT DESCRIPTION: QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS]

BID NO: GQET-25/26-015

Closing Date: Tuesday, 30 September 2025
Closing Time: 11H00

Bid Briefing Meeting Date: Friday, 19 September 2025

Bid Briefing Meeting time: 10H00

Tenderers CSD No:

Name of the Tenderer:

Bid Box Address

Department of Public Works & Infrastructure
Eben Donges Building
Corner Robert & Hancock Street
Gqeberha
6001

SCM SPECIFIC ENQUIRIES:

Enquires: BONGIWE NDABA
Tel No: 041 408 2015 during office hours
Cell No: NONE
Email Address: Bongiwe.ndaba@dpw.gov.za

TECHNICAL / PROJECT SPECIFIC ENQUIRIES

Enquires: ZUBENATHI SIGANGA
Tel No: 041 408 2042 during office hours
Cell No: 082 893 2236
Email Address: Zubenathi.siganga@dpw.gov.za

Table of Contents

SUMMARY OF BID INFORMATION	3
PA-04 (EC): NOTICE AND INVITATION TO TENDER	4
1. REQUIRED CIDB GRADING	4
2. FUNCTIONALITY CRITERIA APPLICABLE	4
3. EVALUATION METHOD FOR RESPONSIVE BIDS	8
4. RESPONSIVENESS CRITERIA	8
5. METHOD TO BE USED TO CALCULATE POINTS FOR SPECIFIC GOALS	10
6. ELIGIBILITY IN RESPECT OF RISK TO THE EMPLOYER:	11
7. OBJECTIVE CRITERIA APPLICABLE: YES	13
8. CONTRACT PARTICIPATION GOAL TARGETS AND CIDB B.U.I.L.D. PROGRAMME	14
9. COLLECTION OF TENDER DOCUMENTS	15
10. COMPULSORY BID BRIEFING/ CLARIFICATION/ SITE INSPECTION MEETING	15
11. ENQUIRIES	15
12. DEPOSIT / RETURN OF TENDER DOCUMENTS	15
DPW-07: FORM OF OFFER AND ACCEPTANCE	16
PA-11: BIDDER'S DISCLOSURE	20
PA-15.1: RESOLUTION OF BOARD OF DIRECTORS	23
PA-15.2: RESOLUTION OF BOARD OF DIRECTORS TO ENTER INTO CONSORTIA OR JOINT VENTURES	25
PA-15.3: SPECIAL RESOLUTION OF CONSORTIA OR JOINT VENTURES	27
DPW-16. TENDER BRIEFING MEETING CERTIFICATE	30
DPW-21: RECORD OF ADDENDA TO TENDER DOCUMENTS	31
PA- 40: DECLARATION OF DESIGNATED GROUPS FOR PREFERENTIAL PROCUREMENT	32
DPW-09 PARTICULARS OF TENDERER'S PROJECTS	34
PA-16: PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022	36
B-BBEE EXEMPTED AFFIDAVIT FOR EXEMPTED MICRO ENTERPRISES	41
(ISSUED IN TERMS OF THE AMENDED CONSTRUCTION SECTOR CODE)	41
SPECIAL CONDITIONS OF BID (SCB-1)	43
FACILITIES MANAGEMENT CONDITIONS OF CONTRACT (DPW)	50
TERMS OF REFERENCE/ SPECIFICATIONS	68
PRICING SCHEDULE/ BILL OF QUANTITIES	132
DRPW – 05 (EC) CONTRACT DATA	191

SUMMARY OF BID INFORMATION

Bid Number	GQET-25/26-015	
Bid/ Project Description	QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS]	
Bid Closing date & Time	Tuesday, 30 September 2025	11H00
Bid Briefing Date & Time (If applicable)	Friday, 19 September 2025	10H00
Venue	QUEENSTOWN: AERODROME ROAD-WILKINSON HALL OLD MILITARY BASE-SAPS	
SCM SPECIFIC ENQUIRIES:	BONGIWE NDABA	Bongiwe.ndaba@dpw.gov.za
	041 408 2015	NONE
TECHNICAL / PROJECT SPECIFIC ENQUIRIES	ZUBENATHI SIGANGA	Zubenathi.siganga@dpw.gov.za
	041 408 2042	082 893 2236
Bid Document Price	R 300.00	
Procurement Plan Reference Number	1273	
Points to be allocated for an area for work to be done or services to be done in that area	EASTERN CAPE	

PA-04 (EC): NOTICE AND INVITATION TO TENDER

THE DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE INVITES TENDERS FOR:

Project title:	QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS]		
Bid no:	GQET-25/26-015	Procurement Plan Reference no:	1273
Advertising date:	Friday, 05 September 2025	Closing date:	Tuesday, 30 September 2025
Closing time:	11H00	Validity period:	84 calendar days

1. REQUIRED CIDB GRADING

It is estimated that tenderers should have a CIDB contractor grading designation of **3EB** or **3 EP*** or higher.

** Delete "or select tender value range select class of construction works" where only one class of construction works is applicable*

It is estimated that potentially emerging enterprises should have a CIDB contractor grading designation of **select tender value range select class of construction works PE** or **select tender value range select class of construction works PE*** or higher.

** Delete "or select tender value range select class of construction works PE" where only one class of construction works is applicable*

2. FUNCTIONALITY CRITERIA APPLICABLE

2.1 The Bid will be evaluated on Functionality and the following Functionality evaluation criteria will apply and failure to meet minimum functionality score will result in the tenderer being disqualified. From further evaluation:

ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN THE QUEENSTOWN AREA OFFICE JURISDICTION FOR THE PERIOD OF 36 MONTHS..			
No	Criteria	Evaluation Indicators	Applicable Value
1	RELEVANT MAINTENANCE OR REPAIR OR NEW INSTALLATION EXPERIENCE ON PREVIOUS AND CURRENT CONTRACTS OF A SIMILAR NATURE, SCOPE AND/ OR COMPLEXITY		25
	<u>Conditions</u>	One (1) x reference letter of a completed or current maintenance or repair or new installation project with a contract value of R 900 000.00 or higher.	5 (1) Minimum point for this criteria
	1.1. Provide a reference letter(s) of a completed project of a similar nature, scope and or complexity: The contract must comply with the following:	Two (2) x reference letters of completed or current maintenance or repair or new installation projects with a contract value of R 900 000.00 or higher	10 (2)
	i) The project must be for relevant Maintenance or Repairs or New installation and	Three (3) x reference letters of completed or current maintenance or repair or new installation projects with a contract value of R 900 000.00 or higher	15 (3)
	ii) The project must be in the last five years and	Four (4) x reference letters of a completed or current maintenance or repair or new installation projects with a contract value of R 900 000.00 or higher	20 (4)
	iii) Has a value of at least R 900 000.00 and	Five (5) x reference letters of completed or current maintenance or repair or new installation projects with a contract value of R 900 000.00 or higher	25 (5)
	iv) The reference letter must be for a single project (and not a combination of projects) and must be supported with a duly completed and signed completion certificate, indicating the actual amount if it is construction project. For term contract no completion certificate required.		
	1.2. A reference letter in respect of a current project of a similar nature, scope and or complexity (i.e. a project started, but not yet		

	completed). The contract must comply with the following minimum requirements: i) The project must be for R 900 000.00 ii) The contract must have a minimum R-value of R 900 000.00 iii) The reference letter must be for a single project (and not a combination of projects) iv) In terms of a construction project: v) Progress on site must have reached a minimum of 50% completion or vi) An R-value of at least R450 000.00 at the closing date of the bid vii) In respect of a term contract: a. It must have reached a minimum of 50% of the contract duration or b. An R-value of at least R450 000.00 at the closing date of the bid.		
--	--	--	--

Please note: Experience of the bidder will be based on the reference letters submitted. If a project is listed in the table below, but the reference letter is not submitted, the project will not be considered valid. If a reference letter is not listed in the table below, but the reference letter is submitted with the bid and it is valid, it will be considered. For a reference letter to be considered for criteria no 1, the performance rating of the bidder will not be a determining factor for criteria no. 1. The reference letter will be used to validate the experience of the bidder only. If the performance rating of the bidder is not indicated or it is less than satisfactory, the reference letter will still be considered for criteria no. 1

	Name of project	Client	Short Description of project	Value of Project (Final account)
1.				
2.				
3.				
4.				
5.				

N o	Criteria	Evaluation Indicators	Applicable Value
2.	REFERENCES FROM PROJECT MANAGERS/CLIENTS/CONSULTANTS FOR PROJECTS OF SIMILAR IN NATURE, SCOPE AND VALUE.		25
	2.1. Please provide signed reference letters from Consultant / Clients confirming your company's performance.	One (1) x reference letter of a completed or current maintenance or repair or new installation project with a contract value of R 900 000.00 or higher.	5 (1) Minimum point for this criteria
		Two (2) x reference letters of completed or current maintenance or repair or new installation projects with a contract value of R 900 000.00 or higher	10 (2)
		Three (3) x reference letters of completed or current maintenance or repair or new installation projects with a contract value of R 900 000.00 or higher	15 (3)
		Four (4) x reference letters of a completed or current maintenance or repair or new	20 (4)

		installation projects with a contract value of R 900 000.00 or higher		
		Five (5) x reference letters of completed or current maintenance or repair or new installation projects with a contract value of R 900 000.00 or higher	25 (5)	
Bidders must submit reference letters. If a reference letter is listed in the table below, but the reference letter is not submitted, the reference in the table will not be considered. If a reference letter is not listed in the table below, but the reference letter is submitted with the bid and it is valid, it will be considered. For a reference letter to be considered valid for criteria 2, the performance of the bidder must be at least rated satisfactory in all aspects.				
	Name of Company	Value of Project as measured for final account	Letter attached	
			YES	NO
1				
2				
3				
4				
5				
No	Criteria	Evaluation Indicators		Applicable Value
3.	FINANCIAL CAPACITY			20
	3.1 i) Provide a valid Bank rating letter or certificate from your Banking Institution stating at least a bank rating code of A or B or C or D . ii) The Bank rating letter or certificate must not be older than 3 months. iii) The bank rating code of A or B or C or D must be for an amount of at least R 2 million. 3.2 In the case that a bidder submit a bank rating letter with more than one bank rating code i)The Department will consider the lowest bank rating code, which is on the bank rating letter, provided it complies with the acceptable bank rating codes as specified in the bid and ii)If one of the bank rating codes on the submitted bank rating letter is less than the acceptable bank rating code(s) as specified in the bid document, it will be deemed non-compliant and will not be accepted.	Credit rating/code of D Credit rating/code of C Credit rating/code of B Credit Rating/code of A	8 (2) Minimum point for this criteria 12 (3) 16 (4) 20 (5)	
No	Name of Bank	Contact Person	Contact Number	Date of letter
1				

2					
	Criteria	Evaluation Indicators		Applicable Value	
4.	COMPETENCE OF KEY PERSON(S), PROFESSIONAL AND TECHNICAL PERSONNEL			30	
	QUALIFICATIONS AND KEY STAFF IN RELATION TO THE SCOPE OF WORK CONDITIONS 4.1 Submission of documents as required: a) A Wireman's license certificate in 3 phase for atleast one (1) x Electrician and b) For other electricians, an electrical trade test certificate from an accredited institution. 4.2 Copies of qualifications must be submitted. 4.3 Failure to comply, will result in the qualification(s) not considered valid.	Key Staff x 4 made up as follows: 3 x electricians needed to have passed at least their trade test and 1 x electrician must have wireman's license in 3 phase.	6 (1) Minimum point for this criteria		
		Key Staff x 5 made up as follows: 4 x electricians needed to have passed at least their trade test and 1 x electrician must have wireman's license in 3 phase.	12 (2)		
		Key Staff x 6 made up as follows: 5 x electricians needed to have passed at least their trade test and 1 x electrician must have wireman's license in 3 phase.	18 (3)		
		Key Staff x 7 made up as follows: 6 x electricians needed to have passed at least their trade test and 1 x electrician must have wireman's license in 3 phase.	24 (4)		
		Key Staff x 8 made up as follows: 7 x electricians needed to have passed at least their trade test and 1 x electrician must have wireman's license in 3 phase.	30 (5)		
N o	Name of the Key Person	Name of the Qualification(s)	Portfolio/Position	CVs and Qualifications attached	
				YES	NO
1					
2					
3					
4					
5					

TOTAL	100
--------------	-----

Minimum functionality score to qualify for further evaluation:	50
---	-----------

NB:

- If a bid fails to achieve the minimum qualifying score for functionality of **Fifty percent (50%)**, it will automatically be regarded as non-compliant, and shall not be considered any further in the evaluation process.
- In addition to the above, bidders' must score the minimum points for each Criteria, (i.e. criteria 1 have minimum points of (5), criteria 2 have minimum points of (5), criteria 3 have minimum points of (8) and criteria 4 have minimum points of (6).) If a bidder fails to score the minimum points for each criteria, the bidder's offer will be regarded as non-compliant, even if the bidder scored the required minimum qualifying score for functionality.

3.

3. EVALUATION METHOD FOR RESPONSIVE BIDS

3.1. The following Evaluation Method for responsive bids will be applicable:

☐ Method 1 (Financial offer)	☒ Method 2 (Financial and Preference offer)
---	---

3.2. The 80/20 Preference points scoring system will be applicable for this bid

4. RESPONSIVENESS CRITERIA

4.1 Indicate **SUBSTANTIVE RESPONSIVENESS** criteria applicable for this tender. Failure to comply with the criteria stated hereunder **shall** result in the tender offer being disqualified from further consideration:

1.	☒	Only those tenderers who satisfy the eligibility criteria stated in the Tender Data may submit tenders.
2.	☒	Tender offer must be properly received on the tender closing date and time specified on the invitation, completed either electronically (if issued in electronic format), or by writing legibly in non-erasable ink. (All as per Standard Conditions of Tender).
3.	☒	Use of correction fluid is prohibited. Corrections to be crossed out and initialled.
4.	☒	Submission of bid offer.
5.	☒	Bidders must comply with DPW-21 (EC): Record of Addenda to tender documents, if any.
6.	☒	The tenderer shall submit his fully priced Bills of Quantities / Lump Sum Document (complete document inclusive of all parts) together with his tender. All items in the Bill of Quantities must be priced. No items in the bill of quantities must be left unpriced (no blanks).
7.	☒	There will be a compulsory bid briefing/ clarification meeting and all potential bidders must attend.
8.	☒	Any addendums or erratums to the bid will be published in the original advertising media, at least 10 working days before the bid closing date. Bids will be evaluated in accordance with the published addendums or erratums.
9.	☒	The tenderer shall submit his fully priced and completed sectional summary- and final summary pages with the tender.
10.	☒	Bidders will be evaluated as per the Special Conditions of Bid (SCB-01) as amended and approved prior to the tender advert date
11.		Bidders will be disqualified in the following circumstances: a) If they submit for the same bid, more than one bid or an alternative bid offer. b) If they submitted a bid, but is also in agreement to an additional bidding entity who submitted an offer for the same bid (e.g in an agreement with a joint venture or consortium or partnership, etc.). c) If there are factual evidence of communication with any other bidder, which are competing for the same bid, (example a signature of the bidder is found in a competing bidder or the bidder is a director of in a competing bid offer.
12.	☒	Offer's from the following bidders' will be eligible to have their submissions evaluated: a) Only bidders' who are registered with the Construction Industry Development Board (CIDB), or who are capable of being so registered with the CIDB within twenty-one (21) working days from the closing date for submission of tenders, in the specified contractor designation (class of works) and or specified contractor grading (or higher) or b) Bidders who submitted proof with their bids that they already applied to CIDB, on or before the closing date: i. For the correction of their overall CIDB non-compliance status or ii. For an upgrade of their specified contractor CIDB grading or iii. For a registration in a specified contractor designation.
13.	☒	Submission of registration letter as an electrical contractor for bidder issued by the Department of Labour (DOL), permitting to issue a Certificate of compliance (COC's)
14.	☒	Bidders must submit a Letter of Good standing with COIDA relevant to the scope of works.

ADMINISTRATIVE CRITERIA

4.2 Indicate administrative requirements applicable for this tender. Tenderers may be required to submit the below documents where applicable.

The Employer reserves the right to request further information regarding the undermentioned criteria. Failing to submit further clarification and/or documentation within seven (7) calendar days from request or as specifically indicated, will disqualify the tender offer from further consideration.

1.	☒	Any correction to be initialled by the person authorised to sign the tender documentation as per PA 15.1 or PA 15.2 resolution of board/s of directors / or PA15.3 Special Resolution of Consortia or JV's.
2.	☒	Submission of applicable (PA-15.1, PA-15.2, PA-15.3): Resolution by the legal entity, or consortium / joint venture, authorising a dedicated person(s) to sign documents on behalf of the firm / consortium / joint venture.
3.	☒	Submission of (PA-11): Bidder's disclosure
4.	☒	Submission of proof of Registration on National Treasury's Central Supplier Database (CSD). Insert the Supplier Registration Number on the form of offer, including proposed sub-contractors if any.
5.	☒	All parts of tender documents submitted must be fully completed in ink and signed where required.
6.	☒	Upon request, submission of fingerprints obtainable from local SAPS including any other additional documentation and information required for vetting purposes.
7.	☐	Upon request, submission of a fully completed security clearance application form with supporting documentation and information as required. The security clearance form will be provided by the Employer for projects requiring a security clearance.
8.	☒	Submission of (PA 40): Declaration of Designated Groups for Preferential Procurement
9.	☒	Bidders will be evaluated as per the Special Conditions of Bid (SCB-01) as amended and approved prior to the tender advert date
10.	☒	Submission of DPW-09 (EC): Particulars of Tenderer's Projects: Bidders may use 'own form' – the details of all the tenderer's current and previous projects must however be the same as the details of the DPW-09 (EC) form. Bidders are required to sign and date the DPW-09 / 'own form' and cross-reference the documents if 'own form' is used.
11.	☒	Submission of DPW-21 (EC): Record of addenda to tender documents: Bidder maybe requested to confirm receipt and or compliance with the "Record of Addenda" if the record of Addenda" was not submitted with the bid at the closing date.
12.	☒	CIDB non-compliance at the time of tender If a bidder submitted with their bid proof that they had already applied to CIDB for an upgrade or for correction of their non-compliance with CIDB, such a contractor will be deemed to be capable of being so registered in that particular grading and will be evaluated as such, within the 21 workings days period after the closing date. Note: A CIDB non-compliance status is defined as a CIDB status which is inactive and or expired, and or suspended, and or deregistered and or not registered in the specified contractor designation (class of works) and or not registered on the CIDB in the specified (or higher) contractor grading.
13.		PA 10: FM GENERAL CONDITIONS OF CONTRACT
14.	☒	CIDB non-compliance after tender closing date Upon request, a bidder will be given twenty one (21) working days to correct its CIDB compliance status, if the bidder becomes CIDB non-compliant, after the bid closing date
15.	☒	A bidder may nominate the same key resources for more than one bid in the Department. During evaluation, the bidder's offer will be "deemed responsive" (if it complies with the substantive criteria). Should a bidder , subsequently be awarded more than one bid, but the key staff is already allocated to another awarded bid or another recommended bid, the Department may request a bidder to provide new key staff, which are accompanied by the minimum required qualifications and CV's (if applicable).
16.	☒	Upon request bidders must submit a fully completed and signed bid offer (DPW-07)

4.3 Indicate administrative requirements applicable for specific goals, Tenderers will not be required to submit the below document if not provided in the original tender proposals, Failure to comply with the criteria stated hereunder shall result in the tenderer not allocated points for specific goals.

1	☒	Submission of (PA-16): Preference Points Claim Form in terms of the Preferential Procurement Regulations 2022
2	☒	A trust, consortium or joint venture (including unincorporated consortia and joint ventures) must submit a consolidated B-BBEE Certificate issued by a SANAS accredited service provider

5. METHOD TO BE USED TO CALCULATE POINTS FOR SPECIFIC GOALS

5.1 For procurement transaction with rand value greater than R1 Million and up to R50 Million (Inclusive of all applicable taxes) the specific goals listed below are applicable.

Serial No	Specific Goals	Preference Points allocated out of 20	Documentation to be submitted by bidders to validate their claim for points
1.	An EME or QSE or any entity which is at least 51% owned by black people	10	SANAS Accredited BBBEE Certificate or sworn affidavit where applicable.
2.	Located in EASTERN CAPE for work to be done or services to be rendered in the EASTERN CAPE area	2	- Official Municipal Rates Statement which is in the name of the bidder. - Or - Any Account or statement which is in the name of the Bidder. - Or - Permission To Occupy from local chief in case of rural areas (PTO) which is in the name of the bidder. - Or - Lease Agreement which is in the name of the bidder.
3.	An EME or QSE or any entity which is at least 51% owned by black women	4	SANAS Accredited BBBEE Certificate or sworn affidavit where applicable.
4.	An EME or QSE or any entity which is at least 51% owned by black people with disability	2	- SANAS Accredited BBBEE Certificate or sworn affidavit where applicable. and - Medical Certificate indicating that the disability is permanent - or - South African Social Security Agency (SASSA) registration indicating that the disability is permanent - Or - National Council for Persons with Physical Disability in South Africa registration (NCPDPSA)
5.	An EME or QSE or any entity which is at least 51% owned by black youth	2	ID Copy and SANAS Accredited BBBEE Certificate or sworn affidavit where applicable.

6. ELIGIBILITY IN RESPECT OF RISK TO THE EMPLOYER:

6.1 Standard risk management assessment criteria in respect of tenders received for routine projects in the engineering and construction works environments:

Tender offers will be evaluated by an Evaluation Committee based on the technical and commercial risk criteria listed hereunder. Each criterion carries the same weight / importance and will be evaluated individually based on reports presented to the Bid Evaluation Committee by the Professional Team appointed on the project. A tender offer will be declared non-responsive and removed from any further evaluation if any one criterion is found to present an unacceptable risk to the Employer.

In order for the evaluation reports to be prepared by the Professional Team, the Tenderer is obliged to provide comprehensive information on form DPW-09 (EC). Failure to complete the said form will cause the tender to be declared non-responsive and removed from any further consideration. The Employer reserves the right to request additional information over and above that which is provided by the Tenderer on said form. The information must be provided by the Tenderer within the stipulated time as determined by the Bid Evaluation Committee, failing which the tender offer will *mutatis mutandis* be declared non-responsive.

6.2 Technical risks:

Criterion 1: Experience on comparable projects during the past 5 years to 10 years.

The tendering Service Provider's experience on comparable projects during the past 5 to 10 years. The number of current and previous comparable projects performed by the Tenderer as per the evaluation report prepared by the Consultant Team, based on its research and inspection of a representative sample of the Tenderer's current and previous work as reflected on form DPW-09 (EC), as well as, if necessary, of any additional work executed by the Tenderer, not reflected on form DPW-09 (EC) or any alternative accepted format. Failing to provide contactable references will result in the tender offer will be *mutatis mutandis* declared non-responsive. A bidder will not be afforded to provide alternative references, if the bidder's initial reference is contactable, or don't respond to the Department. If a reference letter is not listed in on form DPW-09 (EC) or any alternative accepted format, but the reference letter is submitted with the bid and it is valid, it will be considered

Aspects to be regarded as "comparable" includes (but may be extended according to circumstances): size of projects (measured against monetary value or other project quantifying parameters), nature of projects (building, engineering, high/low rise, etc.), locality/area of execution (site-specific influences, knowledge of local conditions, etc.), complexity of project, projects for similar client department irrespective of end purpose of buildings/facilities created or in progress of being created and time scales of projects (normal, fast track, etc.) and stage of its/their development.

Criterion 2: Contractual commitment and quality of performance on comparable projects during the past 5 to 10 years.

Adherence to contractual commitments and quality of performance of comparable current and previous projects performed by the Tenderer during the past 5 to 10 years as per the evaluation report prepared by the Consultant Team, based on its research and inspection of a representative sample of the Tenderer's current and previous work as reflected on form DPW-09 (EC) or any alternative accepted format, as well as, if necessary, of any additional work executed by the Tenderer, not reflected on form DPW-09 (EC). Failing to provide contactable references will result in the tender offer be *mutatis mutandis* declared non-responsive.

Aspects to be considered include, but are not limited to the following:

1. The level of progress on current projects in relation to the project programme or, if such is not available/applicable, to the contractual construction period in general;
2. The degree to which previous projects have been completed within the contractual completion periods and/or extensions thereto, and the extend of penalties imposed;
3. Project performance: time management & programming of works, timeous ordering of materials and appointment of subcontractors;
4. Financial management: payment to suppliers and cash flow problems;
5. Quality of workmanship: extent of reworks and timeous attention to remedial works;
6. Personnel resources: suitably qualified and experienced, turnover in site staff and labour force, specifically site manager and foreman;

7. Personnel management: extent of labour disputes and ability to resolving labour disputes amicably;
8. Sub-contractors: extent of turnover in subcontractors, general liaison and payment problems experienced;
9. Contract administration: contractual aspects such as complying to laws and regulations, insurances, security, submission of required documentation timeously, reaction to written contract instructions, appointments of subcontractors, etc. as can generally be expected in standard/normal conditions of contract.
10. Health & Safety: adherence to regulations and compliance, and number of transgressions & serious incidents.
11. Plant & equipment: sufficient resources on site and in time.
12. Delays: extent of causing delays, submission of claims timeously, and abuse of or exaggerated delay claims.
13. Final account: extent to which the contractor assisted in finalising the final account.

Criterion 3: Suitably qualified and appropriately experienced human resources

Allocation of suitably qualified and appropriately experienced human resources, both in respect of principals and/or other staff (contract manager, site agent, site foreman including other professional, technical and/or administrative) of the tendering Service Provider to the project, as proof that the tendering Service Provider will be able to react/respond appropriately to the Services required herein. The Company Organogram with CV's and certified ID's of all principals and employed workforce as well as proof of Professional Registration will be verified. Current and future workload of the tenderer in relation to capacity and capability will also be considered. The tenderer should demonstrate that he or she possesses the necessary professional and technical qualifications and -competence in relation to the scope of work and work to be undertaken.

Criterion 4: Attendance of compulsory bid clarification meeting, if applicable

When a bid briefing/ clarification meeting is compulsory, the bidder (an authorised representative of the bidder) must attend a compulsory bid briefing meeting, if applicable.

6.3 Commercial risks:

The financial viability assessment evaluates the risk over the life of the construction period, as to whether the tenderer will be able to deliver the goods and services which are specified in the contract and / or be able to fulfil guarantees or warranties provided for in the contract in order to complete the project successfully for the amount tendered.

7. OBJECTIVE CRITERIA APPLICABLE: YES

- 7.1** The Department may pass over the highest point scoring bidder based on the objective criteria (conditions) as listed below and
- 7.2** The condition for passing over the highest point scorer is only applicable to the bids listed below
- a) QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN THE QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS.
 - b) EAST LONDON AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN THE EAST LONDON AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS.
 - c) GQEBERHA ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN THE GQEBERHA AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS.
- 7.3** The three bids above are for three different and wide spread geographical areas. Appointing a single service provider for more than one of these projects, post a risk of failure or under performance to the Department. The Department intends with this Objective Criteria to appoint multiple service providers to spread this risk of failure or under performance.
- 7.4** In the event that a bidder scores the highest PPPFA Points in more than one of these bids, the Department will afford the highest point scoring bidder the opportunity to select its preferred bid.
- 7.5** After the highest point scorer bidder select its preferred bid, the Department reserves the right to negotiate with the other remaining bidders (from the 2nd highest point scorer downwards).
- 7.6** During the Negotiation process, the following condition will apply:
- a. The Department will only enter into negotiations with another bidder, if they have not been awarded already any of the remaining bids.
 - b. If the 2nd highest scoring bidder's price is acceptable, and their tendered price in R-value is less than the highest point scorer's price, the Department will award it to the 2nd highest point scoring bidder at its tendered price **or**
 - c. If the price in R-value is not less than the highest point scorer's price, the 2nd highest point scoring bidder will be given a counter offer. The counter offer which will be given to the 2nd highest point scorer, will be the offer of the highest point scoring bidder, provided that the highest point scorer's price is reasonable and market related **or**
 - d. If the highest point scorer's price is not market related, the 2nd highest point scorer will be given a market related counter offer, if the 2nd highest point scorer's offer is not market related.
 - e. If the 2nd highest point scorer decline the counter offer (if any), the Department reserves the right to negotiate with the 3rd bidder up to the last bidder and the same methodology will be followed.
- 7.7** The Department may only award more than one of these bids to a bidder, once all the other bidders declined.
- 7.8** The Department may award the same Service Provider more than one bid, if there is (are) no other responsive(s) bidders for the particular bid/geographical area.
- 7.9** Should the Department withdraw or cancel any bid(s) which are part of the Objective Criteria, the following conditions will apply:
- a. The bidding process will proceed as the need for the remaining goods or services still exist.
 - b. The objective criteria will be applicable on the remaining bids.
 - c. The withdrawn or cancelled bids will be omitted from the Objective Criteria.
 - d. The remaining bids will be evaluated and finalized in accordance with the remaining bid rules and Objective Criteria.

8. CONTRACT PARTICIPATION GOAL TARGETS AND CIDB B.U.I.L.D. PROGRAMME

The contractor shall achieve in the performance of the contract the following Contract Participation Goals (CPGs) as described in PG-01.2 (EC): Scope of Work and PG-02.2 (EC): Pricing Assumptions and in accordance with the feasibility study, which forms part of the specifications in the CPG Section of the Specification of this contract.

(a)	Minimum Targeted Local Manufacturers of Material Contract Participation Goal, in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	Not applicable
(b)	Minimum Targeted Local Building Material Suppliers Contract Participation Goal in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	Not applicable
(c)	Minimum Targeted Local Labour Skills Development Contract Participation Goal in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	Not applicable
(d)	CIDB BUILD Programme: Minimum Targeted Enterprise Development Contract Participation Goal in accordance with the cidb Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts, No 36190 Government Gazette, 25 February 2013, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	Not applicable
(e)	cidb BUILD Programme: Minimum Targeted Contract Skills Development Goal in accordance with the cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 43495 of 3 July 2020, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	Not applicable
(f)	DPWI National Youth Service training and development programme (NYS) – Condition of Contract.	Not applicable
(g)	Labour Intensive Works – Condition of Contract.	Not applicable

9. COLLECTION OF TENDER DOCUMENTS

- ☒ Bid documents are available for free download on e-Tender portal www.etenders.gov.za
☒ Alternatively; Bid documents may be collected during working hours at the following address NDPWI, Eben Donges Building, Cnr Robert and Hancock street, Gqeberha, 6056.
 A non-refundable bid deposit of R 300.00 is payable (cash only) on collection of the bid documents.

10. COMPULSORY BID BRIEFING/ CLARIFICATION/ SITE INSPECTION MEETING

Details of Compulsory Bid Briefing/ Clarification / Site Inspection Meeting (if any):

Venue:	QUEENSTOWN: AERODROME ROAD-WILKINSON HALL OLD MILITARY BASE- SAPS		
Virtual meeting link:	(Type link here or indicate "N/A")		
Date:	Friday, 19 September 2025	Starting time:	10H00

11. ENQUIRIES

11.1 Technical enquiries may be addressed to:

DPWI Project Manager	ZUBENATHI SIGANGA	Telephone no:	041 408 2042
Cellular phone no	082 893 2236	Fax no:	Indicate
E-mail	Zubenathi.siganga@dpw.gov.za		

11.2 SCM enquiries may be addressed to:

SCM Official	BONGIWE NDABA	Telephone no:	041 408 2015
Cellular phone no	NONE	Fax no:	None
E-mail	Bongiwe.ndaba@dpw.gov.za		

12. DEPOSIT / RETURN OF TENDER DOCUMENTS

Telegraphic, telephonic, telex, facsimile, electronic and / or late tenders will not be accepted. Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

All tenders must be completed in non-erasable ink and submitted on the official forms – (forms not to be re-typed).

Closing Date: Tuesday, 30 September 2025

Closing Time: 11H00

Tender documents may be posted to: The Director-General Department of Public Works and Infrastructure Private Bag X 3193 Gqebergha 6001 Documents must be deposited in The Bid Box before the closing date of the bid	OR	Deposited in the tender box at: The Bid Box Department of Public Works & Infrastructure Eben Donges Building Corner Robert & Hancock Street
--	-----------	--

DPW-07: FORM OF OFFER AND ACCEPTANCE

The Employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of:

Bid no: GQET-25/26-015

Bid/ Project Description: QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS]

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 responsibilities of the Service Provider 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 (All applicable taxes" includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies) IS:

Rand (in words):	
Rand in figures:	R

The award of the tender may be subjected to price negotiation with the preferred tender(s). The negotiated and agreed price will be considered for acceptance as **a firm and final offer**.

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 Service Provider in the conditions of contract identified in the contract data.

THIS OFFER IS MADE BY THE FOLLOWING LEGAL ENTITY: (cross out block which is not applicable)

Company or Close Corporation: And: Whose Registration Number is: And: Whose Income Tax Reference Number is: CSD supplier number:	OR	Natural Person or Partnership: Whose Identity Number(s) is/are: Whose Income Tax Reference Number is/are: CSD supplier number:
--	----	--

AND WHO IS (if applicable):

Trading under the name and style of:
--

AND WHO IS:

Represented herein, and who is duly authorised to do so, by: Mr/Mrs/MS: In his/her capacity as: 	Note: A Resolution / Power of Attorney, signed by all the Directors / Member / Partners of the Legal Entity must accompany this Offer, authorising the Representative to make this offer.
--	---

Bid No: GQET-25/26-015

Bid/ Project Description: QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS]

SIGNED FOR THE TENDERER:

Name of representative	Signature	Date

WITNESSED BY:

Name of witness	Signature	Date

This Offer is in respect of: (Please indicate with an "X" in the appropriate block)

The official documents ☐
The official alternative ☐
Own alternative (only if documentation makes provision therefore)

SECURITY OFFERED: (Not required for this quotation/ bid)

The Service Provider will provide one of the following forms of security:

- | | | |
|---|------------------------------|--|
| (1) Cash deposit of 2.5% of the Contract Sum (excl. VAT) | Yes ☐ | No ☒ |
| (2) Variable guarantee of 2.5% of the Contract Sum (excl. VAT) (DPW-10.5: FM) | Yes ☐ | No ☒ |
| (3) Retention of 2.5% of the Contract Sum (excl. VAT) | Yes ☐ | No ☒ |
| (4) 1.25% cash deposit and 1.25% retention of the Contract Sum (excl. VAT) | Yes ☐ | No ☒ |

NB. Guarantees submitted must be issued by either an insurance company duly registered in terms of the Short-Term Insurance Act, 1998 (Act 35 of 1998) or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990) on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.

The Tenderer elects as its *domicilium citandi et executandi* in the Republic of South Africa, where any and all legal notices may be served, as (physical address):

.....

Other Contact Details of the Tenderer are:

Telephone No..... Cellular Phone No.

Fax No.

Postal address.....

Banker Branch.....

Bank Account No. Branch Code

Registration No of Tenderer at Department of Labour.....

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 Service Provider 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.

Bid No: GQET-25/26-015

Bid/ Project Description: QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS]

The terms of the contract, are contained in:

- Part 1 Agreements and contract data, (which includes this agreement)
- Part 2 Pricing data
- Part 3 Scope of work.
- Part 4 Site information

and drawings (where applicable) and documents or parts thereof, which may be incorporated by reference into Parts 1 to 4 above.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the tender 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 agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The Tenderer shall within two 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 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, if delivered by hand on the day of delivery, or if delivered by courier within two working days after submission by the Employer to the courier services for a door-to door delivery to the tenderer, provided that the Employer notifies the tenderer of the tracking number within 24 hours of such submission. Unless the tenderer (now Service Provider) 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 the schedule of deviation to this agreement if applicable), this agreement shall constitute a binding contract between the parties.

For the Employer:

Name of signatory	Signature	Date

Name of Organisation:	Department of Public Works
Address of Organisation:	

WITNESSED BY:

Name of witness	Signature	Date

SCHEDULE OF DEVIATIONS

Bid no: GQET-25/26-015

Bid/ Project Description: QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS]

1.1.1. Subject:
Detail:
1.1.2. Subject:
Detail:
1.1.3. Subject:
Detail:
1.1.4. Subject:
Detail:
1.1.5. Subject:
Detail:
1.1.6. Subject:
Detail:

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 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.

PA-11: BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

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 and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

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

2. BIDDER'S DECLARATION

- 2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest³ in the enterprise, employed by the state? ☐ YES ☐ NO

2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

⁽³⁾ the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".
For External Use

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, furnish particulars:

.....
.....

3. DECLARATION

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I declare 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 consortium⁴ 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.

⁴ 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.

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".
For External Use

- 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 DECLARE THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT. I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

Name of Bidder	Signature	Date	Position

This form is aligned to SBD 4.

PA-15.1: RESOLUTION OF BOARD OF DIRECTORS

RESOLUTION of a meeting of the Board of *Directors / Members / Partners of:

(legally correct full name and registration number, if applicable, of the Enterprise)

Held at _____ *(place)*

on _____ *(date)*

RESOLVED that:

- 1 The Enterprise submits a Tender to the Department of Public Works in respect of the following project:

(project description as per Tender Document)

Tender Number: _____ *(Tender Number as per Tender Document)*

- 2 *Mr/Mrs/Ms: _____

in *his/her Capacity as: _____ *(Position in the Enterprise)*

and who will sign as follows:

be, and is hereby, authorised to sign the Tender, and any and all other documents and/or correspondence in connection with and relating to the Tender, as well as to sign any Contract, and any and all documentation, resulting from the award of the Tender to the Enterprise mentioned above.

	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Note:

- * Delete which is not applicable.
- NB:** This resolution must, where possible, be signed by all the Directors / Members / Partners of the Tendering Enterprise.
- In the event that paragraph 2 cannot be complied with, the resolution must be signed by Directors / Members / Partners holding a majority of the shares / ownership of the Tendering Enterprise (attach proof of shareholding / ownership hereto).
- Directors / Members / Partners of the Tendering Enterprise may alternatively appoint a person to sign this document on behalf of the Tendering Enterprise, which person must be so authorized by way of a duly completed power of attorney, signed by the Directors / Members / Partners holding a majority of the shares / ownership of the Tendering Enterprise (proof of shareholding / ownership and power of attorney are to be attached hereto).
- Should the number of Directors / Members / Partners exceed the space available above, additional names and signatures must be supplied on a separate page.

ENTERPRISE STAMP

PA-15.2: RESOLUTION OF BOARD OF DIRECTORS TO ENTER INTO CONSORTIA OR JOINT VENTURES

RESOLUTION of a meeting of the Board of *Directors / Members / Partners of:

(legally correct full name and registration number, if applicable, of the Enterprise)

Held at _____ *(place)*

on _____ *(date)*

RESOLVED that:

1. The Enterprise submits a Tender, in consortium/joint venture with the following Enterprises:

(list all the legally correct full names and registration numbers, if applicable, of the Enterprises forming the consortium/joint venture)

to the Department of Public Works in respect of the following project:

(project description as per Tender Document)

Tender Number: _____ *(Tender Number as per Tender Document)*

- 1 *Mr/Mrs/Ms: _____

in *his/her Capacity as: _____ *(Position in the Enterprise)*

and who will sign as follows:

be, and is hereby, authorised to sign a consortium/joint venture agreement with the parties listed under item 1 above, and any and all other documents and/or correspondence in connection with and relating to the consortium/joint venture, in respect of the project described under item 1 above.

- 2 The Enterprise accept joint and several liability with the parties listed under item 1 above for the due fulfilment of the obligations of the joint venture deriving from, and in any way connected with, the Contract to be entered into with the Department in respect of the project described under item 1 above.
- 3 The Enterprise chooses as its *domicilium citandi et executandi* for all purposes arising from this joint venture agreement and the Contract with the Department in respect of the project under item 1 above:

Physical address: _____

_____ Postal Code _____

Postal Address: _____

_____ Postal Code _____

Telephone number: _____ Fax number: _____

	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

The tendering enterprise hereby absolves the Department of Public Works from any liability whatsoever that may arise as a result of this document being signed.

Note:

1. * Delete which is not applicable.
2. **NB:** This resolution must, where possible, be signed by all the Directors / Members / Partners of the Tendering Enterprise.
3. In the event that paragraph 2 cannot be complied with, the resolution must be signed by Directors / Members / Partners holding a majority of the shares / ownership of the Tendering Enterprise (attach proof of shareholding / ownership hereto).
4. Directors / Members / Partners of the Tendering Enterprise may alternatively appoint a person to sign this document on behalf of the Tendering Enterprise, which person must be so authorized by way of a duly completed power of attorney, signed by the Directors / Members / Partners holding a majority of the shares / ownership of the Tendering Enterprise (proof of shareholding / ownership and power of attorney are to be attached hereto).
5. Should the number of Directors / Members / Partners exceed the space available above, additional names and signatures must be supplied on a separate page.

ENTERPRISE STAMP

PA-15.3: SPECIAL RESOLUTION OF CONSORTIA OR JOINT VENTURES

RESOLUTION of a meeting of the duly authorised representatives of the following legal entities who have entered into a consortium/joint venture to jointly tender for the project mentioned below: *(legally correct full names and registration numbers, if applicable, of the Enterprises forming a consortium/joint venture)*

1	
2	
3	
4	
5	
6	
7	
8	

Held at _____ *(place)*

on _____ *(date)*

RESOLVED that:

- A. The above-mentioned Enterprises submit a tender in consortium/joint venture to the Department of Public Works & Infrastructure in respect of the following project:

_____ *(project description as per Tender Document)*

Tender Number: _____ *(tender number as per Tender Document)*

B. Mr/Mrs/Ms: _____

in *his/her Capacity as: _____ (position in the Enterprise)

and who will sign as follows: _____

be, and is hereby, authorised to sign the tender, and any and all other documents and/or correspondence in connection with and relating to the tender, as well as to sign any Contract, and any and all documentation, resulting from the award of the tender to the Enterprises in consortium/joint venture mentioned above.

- C. The Enterprises constituting the consortium/joint venture, notwithstanding its composition, shall conduct all business under the name and style of:
- _____
- D. The Enterprises to the consortium/joint venture accept joint and several liability for the due fulfilment of the obligations of the consortium/joint venture deriving from, and in any way connected with, the Contract entered into with the Department in respect of the project described under item A above.
- E. Any of the Enterprises to the consortium/joint venture intending to terminate the consortium/joint venture agreement, for whatever reason, shall give the Department 30 days' written notice of such intention. Notwithstanding such decision to terminate, the Enterprises shall remain jointly and severally liable to the Department for the due fulfilment of the obligations of the consortium/joint venture as mentioned under item D above.
- F. No Enterprise to the consortium/joint venture shall, without the prior written consent of the other Enterprises to the consortium/joint venture and of the Department, cede any of its rights or assign any of its obligations under the consortium/joint venture agreement in relation to the Contract with the Department referred to herein.
- G. The Enterprises choose as the *domicilium citandi et executandi* of the consortium/joint venture for all purposes arising from the consortium/joint venture agreement and the Contract with the Department in respect of the project under item A above:

Physical address: _____

_____ Postal Code _____

Postal Address: _____

_____ Postal Code _____

Telephone number _____ Fax number: _____

E-mail address: _____

	Name	Capacity	Signature
1			
2			

	Name	Capacity	Signature
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			

The tendering enterprise hereby absolves the Department of Public Works & Infrastructure from any liability whatsoever that may arise as a result of this document being signed.

Note:

1. * Delete which is not applicable.
2. **NB:** This resolution must be signed by all the Duly Authorised Representatives of the Legal Entities to the consortium/joint venture submitting this tender, as named in item 2 of Resolution PA-15.2.
3. Should the number of the Duly Authorised Representatives of the Legal Entities joining forces in this tender exceed the space available above, additional names, capacity and signatures must be supplied on a separate page.
4. Resolution PA-15.2, duly completed and signed, from the separate Enterprises who participate in this consortium/joint venture, must be attached to this Special Resolution (PA-15.3).

DPW-16. TENDER BRIEFING MEETING CERTIFICATE

Project title:	QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS]		
Tender / Quotation no:	GQET-25/26-015	Reference no:	1273

Date Bid Briefing Meeting: Friday, 19 September 2025

Time of Bid Briefing Meeting: 10H00

Venue: QUEENSTOWN: AERODROME ROAD-WILKINSON HALL OLD MILITARY BASE- SAPS

This is to certify that I, _____

representing _____

attended the tender clarification meeting on: _____

I further certify that I am satisfied with the description of the work and explanations given at the tender clarification meeting and that I understand the work to be done, as specified and implied, in the execution of this contract.

Name of Tenderer	Signature	Date

Name of DPW Representative	Signature	Date

DPW-21: RECORD OF ADDENDA TO TENDER DOCUMENTS

Project title:	QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS]		
Tender / Quotation no:	GQET-25/26-015	Reference no:	1273

1. I / We confirm that the following communications received from the Department of Public Works before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer: *(Attach additional pages if more space is required)*

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Name of Tenderer	Signature	Date

2. I / We confirm that no communications were received from the Department of Public Works before the submission of this tender offer, amending the tender documents.

Name of Tenderer	Signature	Date

PA- 40: DECLARATION OF DESIGNATED GROUPS FOR PREFERENTIAL PROCUREMENT

Tender Number: GQET-25/26-015

Name of Tenderer

☐ EME¹ ☐ QSE² ☐ Non EME/QSE (tick applicable box)

1. LIST ALL PROPRIETORS, MEMBERS OR SHAREHOLDERS BY NAME, IDENTITY NUMBER, CITIZENSHIP AND DESIGNATED GROUPS.

Name and Surname #	Identity/ Passport number and Citizenship##	Percentage owned	Black	Indicate if youth	Indicate if woman	Indicate if person with disability	Indicate if living in rural / under developed area/township	Indicate if military veteran
1.			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
2.			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
3.			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
4.			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
5.			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
6.			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
7.			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
8.			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
9.			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
10.			☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No

Where Owners are themselves a Company, Close Corporation, Partnership etc., identify the ownership of the Holding Company, together with Registration number
State date of South African citizenship obtained (not applicable to persons born in South Africa)

¹ EME: Exempted Micro Enterprise

² QSE: Qualifying Small Business Enterprise

1. DECLARATION:

The undersigned, who warrants that he/she is duly authorized to do so on behalf of the Tenderer, hereby confirms that:

- 1 The information and particulars contained in this Affidavit are true and correct in all respects;
- 2 The Broad-based Black Economic Empowerment Act, 2003 (Act 53 of 2003), Preferential Procurement Policy Framework Act, 2000 (Act 5 of 2000), the Preferential Procurement Regulations, 2022, National Small Business Act 102 of 1996 as amended and all documents pertaining to this Tender were studied and understood and that the above form was completed according to the definitions and information contained in said documents;
- 3 The Tenderer understands that any intentional misrepresentation or fraudulent information provided herein shall disqualify the Tenderer's offer herein, as well as any other tender offer(s) of the Tenderer simultaneously being evaluated, or will entitle the Employer to cancel any Contract resulting from the Tenderer's offer herein;
- 4 The Tenderer accepts that the Employer may exercise any other remedy it may have in law and in the Contract, including a claim for damages for having to accept a less favourable tender as a result of any such disqualification due to misrepresentation or fraudulent information provided herein;
- 5 Any further documentary proof required by the Employer regarding the information provided herein, will be submitted to the Employer within the time period as may be set by the latter;

Signed by the Tenderer

Name of representative	Signature	Date

DPW-09 PARTICULARS OF TENDERER'S PROJECTS

Project title:	QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS]		
Tender / Quotation no:	GQET-25/26-015	Closing date: Tuesday, 30 September 2025	Time: 11H00

Note: The Tenderer is required to furnish the following particulars and to attach additional pages if more space is required.

1. PARTICULARS OF THE TENDERER'S CURRENT AND PREVIOUS COMMITMENTS

1.1. Current projects

Projects currently engaged in	Name of Employer or Representative of Employer	Contact tel. no.	Contract sum of Project	Scope of Services (Work stages appointed for – eg 1 to 6)	Work stages completed	Work stages in progress
1.						
2.						
3.						
4.						
5.						
6.						
7.						

1.2. Completed projects

Projects completed in the last 5 (five) years	Name of Employer or Representative of Employer	Contact tel. no.	Contract sum of Project	Scope of Services (Work stages appointed for – eg 1 to 6)	Date of appointment	Date of completion
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						

Name of Tenderer	Signature	Date

PA-16: 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 invitations to tender:

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

1.2 Preference Points System to be applied

☒ The applicable preference point system for this tender is the **80/20** preference point system.

1.3 Points for this tender shall be awarded for:

1.3.1 Price: Maximum 80 points

1.3.2 Specific Goals: Maximum 20 points

1.4 The maximum points for this tender are allocated as follows:

Preference Points System to be applied	80/20
PRICE	80
SPECIFIC GOALS	20
Total points for Price and Specific Goals	100

1.5 Breakdown Allocation of Specific Goals Points

1.5.1 For procurement transactions with rand value greater than R1 Million and up to R50 Million (Inclusive of all applicable taxes) the specific goals as listed in the table below are applicable:

Serial No	Specific Goals	Preference Points allocated out of 20	Documentation to be submitted by bidders to validate their claim for points
1.	An EME or QSE or any entity which is at least 51% owned by black people	10	• SANAS Accredited BBBEE Certificate or sworn affidavit where applicable.
2.	Located in EASTERN CAPE for work to be done or services to be rendered in the EASTERN CAPE area	2	• Official Municipal Rates Statement which is in the name of the bidder. - Or • Any Account or statement which is in the name of the Bidder. - Or • Permission To Occupy from local chief in case of rural areas (PTO) which is in the name of the bidder. - Or • Lease Agreement which is in the name of the bidder.

Serial No	Specific Goals	Preference Points allocated out of 20	Documentation to be submitted by bidders to validate their claim for points
3.	An EME or QSE or any entity which is at least 51% owned by black women	4	SANAS Accredited BBBEE Certificate or sworn affidavit where applicable.
4.	An EME or QSE or any entity which is at least 51% owned by black people with disability	2	- SANAS Accredited BBBEE Certificate or sworn affidavit where applicable. - and - Medical Certificate indicating that the disability is permanent - or - South African Social Security Agency (SASSA) registration indicating that the disability is permanent - Or - National Council for Persons with Physical Disability in South Africa registration (NCPDPA)
5.	An EME or QSE or any entity which is at least 51% owned by black youth	2	ID Copy and SANAS Accredited BBBEE Certificate or sworn affidavit where applicable.

1.6 Failure on the part of the tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals, if the service provider/ tenderer did not submit proof or documentation required to claim for specific goals will be interpreted to mean that preference points for specific goals are not claimed.

1.7 The organ of state reserves the right to require of a service provider/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

- “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;
- “price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- “rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- “tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- “the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1. THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$P_s = 80 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right) \quad \text{or} \quad P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

80/20 or 90/10

Where

Ps = Points scored for price of tender under consideration
Pt = Price of tender under consideration
Pmin = Price of lowest acceptable tender

3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

$$P_s = 80 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right) \quad \text{or} \quad P_s = 90 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right)$$

80/20 or 90/10

Where

Ps = Points scored for price of tender under consideration
Pt = Price of tender under consideration
Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1,2 and 3 above as may be supported by proof/ documentation stated in the conditions of this tender:

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—

- (a) 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
- (b) 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.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

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)
1. An EME or QSE or any entity which is at least 51% owned by black people	10	
1. Located in EASTERN CAPE for work to be done or services to be rendered in the EASTERN CAPE area	2	
2. An EME or QSE or any entity which is at least 51% owned by black women	4	
3. An EME or QSE or any entity which is at least 51% owned by black people with disability	2	
4. An EME or QSE or any entity which is at least 51% owned by black youth	2	

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;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs

1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;

iv) 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 or contractor, 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:

B-BBEE EXEMPTED AFFIDAVIT FOR EXEMPTED MICRO ENTERPRISES (ISSUED IN TERMS OF THE AMENDED CONSTRUCTION SECTOR CODE)

(Gazette Vol. 630 No. 41287)
Issued in terms of paragraph 3.6.2.4.1 (B)

I, the undersigned,

Full name & Surname	
Identity number	

Hereby declare under oath as follows:

- 1) The contents of this statement are to the best of my knowledge a true reflection of the facts.
2) I am a Member ☐ / Director ☐ / Owner ☐ **(Select one)** of the following enterprise and am duly authorised to act on its behalf:

Enterprise Name:			
Trading Name (If Applicable):			
Registration Number:			
Enterprise Physical Address:			
Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):			
Nature of Construction Business:	BEP (Built Environment Professional)	Contractor	Supplier
Definition of "Black People"	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians – who are citizens of the Republic of South Africa by birth or descent; or who became citizens of the Republic of South Africa by naturalization before 27 April 1994; or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date;"		
Definition of "Black Designated Groups"	"Black Designated Groups" means: (a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution; (b) Black people who are youth as defined in the National Youth Commission Act of 1996; (c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act; (d) Black people living in rural and under developed areas; (e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;"		

3) I hereby declare under Oath that as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,

- The Enterprise is _____ % Black Owned
- The Enterprise is _____ % Black Female Owned
- The Enterprise is _____ % Owned by Black Designated Group (provide Black Designated

Group Breakdown below as per the definition in the table above)

- o Black Youth % _____ %
- o Black Disabled % _____ %
- o Black Unemployed % _____ %
- o Black People living in Rural areas % _____ %
- o Black Military Veterans % _____ %

Select applicable

4) Based on the Financial Statements ☐ /Management Accounts and other information available ☐ on the latest financial year-end of ____/____/____, (format: day/month/year) the annual Total Revenue was less than the applicable amount confirmed by ticking the applicable box below.

BEP	R1.8 million	
Contractor	R3.0 million	
Supplier	R3.0 million	

If the turnover exceeds the applicable amount in the table above then this affidavit is no longer applicable and an EME certificate must be obtained from a rating agency accredited by SANAS or when applicable a B-BBEE Verification Professional Regulator appointed by the Minister of Trade and Industry.

· Please Confirm on the below table the B-BBEE Level Contributor, **by ticking the applicable box below.**

100% Black Owned	Level One (135% B-BBEE procurement recognition level)	
At least 51% Black Owned	Level Two (125% B-BBEE procurement recognition level)	
At least 30% Black Owned	Level Four (100% B-BBEE procurement recognition level)	
Less than 30% Black Owned	Level Five (80% B-BBEE procurement recognition level)	

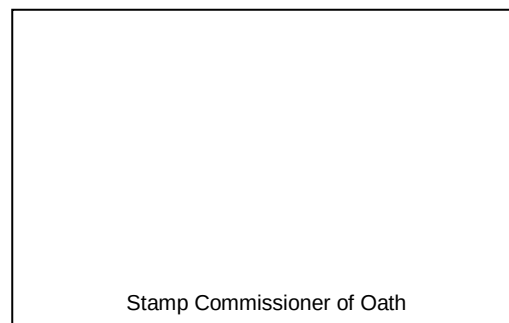
5) I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the Owners of the Enterprise which I represent in this matter.

6) The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Deponent Signature _____

Date: _____

Commissioner of Oaths
Signature & stamp



SPECIAL CONDITIONS OF BID (SCB-1)

1 INTERPRETATION

- 1.1 The word "Bidder" in these conditions shall mean and include any firm of Contractors, Services Providers or any company or body incorporated or unincorporated or any other legal entities.
- 1.2 The word "Department" in these conditions shall mean the DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE
- 1.3 Any reference to words "Bid" or "bidder" herein and or any other documentation shall be construed to have the meaning as the words "Tender" or Tenderer".

2 PRECEDENCE

- 2.1. If any other condition (bid rule) in the bid document is in contradiction with the "Special Conditions of Bid" the "Special Conditions of Bid" will take preference.
- 2.2. The "Special Conditions of Bid" can only be amended by an official addendum before the closing date of the bid.

3 GENERAL BID RULES

- 3.1. "Written" or "in writing" means hand-written in non-erasable ink or any form of electronic or digital writing and or a combination thereof.
- 3.2. The digital and or electronic completion and signing of documents is permitted.
- 3.3. A bidder participates in this bid process entirely at its own risk and cost.
- 3.4. The Department may accept or reject any bid offer or may cancel the bid process (or reject all bid offers at any time) prior to award, due to the following:
 - 3.4.1. due to changed circumstances, there is no longer a need for the goods or services specified in the invitation;
 - 3.4.2. funds are no longer available to cover the total envisaged expenditure;
 - 3.4.3. no acceptable tender is received;
 - 3.4.4. there is a material irregularity in the tender process; or
 - 3.4.5. there is material change in the scope of works.
- 3.5. The Department shall not accept or incur any liability for such cancellation or rejection or acceptance, but will give written reasons for such action upon receiving a written request to do so.
- 3.6. Completed bid documents in a sealed envelope, endorsed with the relevant bid number, bid description and the closing, must be deposited in the bid box as indicated in the bid document.
- 3.7. Bidders must ensure that bids submitted via courier services are deposited by the courier service in the Departmental Bid box, prior to the closing date and time. The Department will not accept responsibility for any bids, which are not timeously deposited in the Bid Box.
- 3.8. A Bid will be treated as a late bid, if it is not received in the bid box. The Department will not accept responsibility for any late depositing of bids or for the non-depositing of bids in the bid box, which are as a result from an act committed or omitted by an official. This is not limited to the following cases:
 - 3.8.1. A Bidder handed over its bid to a departmental official or to the security services personnel timeously, but they omits to deposit the bid in the bid box on or before the closing date and time.
 - 3.8.2. If a courier service delivers the bid to a departmental official or to the security services personnel timeously and it is not deposited in the bid box timeously.
 - 3.8.3. The bid documents were send through mail / Post Office and it is not timely collected and or timely deposited in the Departmental Bid Box.
- 3.9. Bids received after the closing date and time will not be accepted for consideration and where practical, be returned unopened to the Bidder(s).
- 3.10. Bidders who are not registered on the CSD, must register on the CSD within 7 working days, if requested to do so. No award letters or purchase orders or contracts will be signed, with a bidder not registered on the CSD.
- 3.11. The Department will download the following documents, to verify the information submitted by bidders:
 - 3.11.1. CSD registration certificate (if the bidder is registered in the CSD)
 - 3.11.2. CIPC registration
 - 3.11.3. CIDB registration

- 3.12. Bidders are not allowed to recruit or shall not attempt to recruit an employee of the Department for purposes of preparation of the bid or for the duration of the execution of this contract or any part thereof.

4 AMBIGUITIES/ CONTRADICTIONS / OMISSIONS

- 4.1. If a bidder becomes aware of any ambiguities or contradictions or omissions in the bid document or the specifications, drawings or descriptions or functionality or quality, or any part of the bid document, this should be clarified with the Department, at least five (5) working days before the closing time stated in the tender data.
- 4.2. If the Department found, after the closing date of the bid, that there is an ambiguity/ contradiction or omission in the bid document, the Department reserves the right to:
- 4.2.1. If the ambiguity or contradiction or omission in the bid document is of an administrative nature, request bidders to correct any non-compliances caused by the ambiguity or contradiction or omission or
 - 4.2.2. If the ambiguity or contradiction or omission is immaterial, proceed to finalise the procurement process and notify the delegated authority in the submission of the ambiguity or contradiction or omission for the consideration of the approving authority or
 - 4.2.3. Cancel the bid and process

5 PERIOD OF VALIDITY FOR BIDS AFTER CLOSING DATE

- 5.1 All Bids must remain valid from the closing date for a period as stipulated in the bid document.
- 5.2 The Department reserves the right to request for the validity extensions of bids, should it deemed necessary. The following conditions will apply when the Department request for a validity extension of a bid:
- 5.2.1 The request for a validity extension will be done while the validity period of the bids are still valid.
 - 5.2.2 Bidders have the right to refuse the extension of the validity period of their bids.
 - 5.2.3 If a request for validity extensions are send to bidders while the validity period of the bids are still valid, non-replying to the request for validity extension before the expiry date will be deemed a tacit agreement to the extension of the validity period. The Department will communicate with the affected bidders to confirm such tacit agreement.
 - 5.2.4 Should the bidder not agree with the tacit agreement, the bidder shall be deemed to be non-responsive and not considered for further evaluation.
 - 5.2.5 If a bidder(s) refused a validity extension, it will be deemed that the bidder(s) had withdrawn their bids from the bidding process. The Department reserves the right to continue with its bid evaluation and adjudication of the remaining bids and finalise the process.

6 BRAND NAMES

- 6.1 Wherever a brand name is specified in this bid document (i.e. in the specifications, pricing schedule or bill of quantities or anywhere in this document), the department's requirement is not limited to the specified brand name, but requires an item similar/equivalent or better than specified.

7 CONTRACTUAL PRICE ADJUSTMENTS

- 7.1 The Bid will not be subjected to any price escalation, unless specified otherwise in the bid documents.

8 AUTHORITY TO SIGN BID DOCUMENTS

- 8.1 No authority to sign (PA 15.1: Resolution of Board of Directors) is required from an enterprise which has only one director or is a sole ownership.
- 8.2 In the case of a bid being submitted on behalf of a company, close corporation or partnership, evidence should be submitted with the bid at the closing time, that the Bid has been signed by a person properly authorised by resolution of the directors or under the articles of the entity. For that purpose, forms PA-15.1-15.3 (Resolution of Board of Directors) are included in the bid document for completion by the relevant Board(s) of Directors
- 8.3 The department further accepts that, in the absence of a PA 15.1: Resolution of Board of Directors, any director or any member of the enterprise may have the authority to bind the enterprise. Therefore the following will apply when only one director or one member of the enterprise signed the bid documents:

- 8.3.1 The signature of any one of the directors or any one of the members of the enterprise will bind the enterprise and all the directors/ members of the enterprise. This condition will therefore render the bid valid; and
- 8.3.2 The Department will verify the authority to sign (if deemed necessary) and where possible, may request proof of such authority of the relevant director or relevant member to act on behalf of the enterprise in the form of a “ Resolution of the Board of Directors”, if such “ (PA 15.1: Resolution of Board of Directors),” was not submitted with the bid or was not completed or was incorrectly completed,
- 8.4 In the case of a sub-contractor agreement, a joint venture or consortia, the signing of the sub-contractor agreement, or Joint Venture or Consortia agreement by any director or member of each of the parties to the agreement, will render the sub-contractor agreement or Joint Venture or Consortia agreement valid. Therefore:
 - 8.4.1 The Department reserves the right to request from each party to the sub-contractor agreement or Joint Venture or Consortia” agreement, proof of such authority of the relevant director or relevant member to act on behalf of the enterprise(s), in the form of a “ Resolution of the Board of Directors”, if it was not submitted with the bid or was not completed or was incorrectly completed,
- 8.5 In the event that a non-member or non-director to the enterprise(s) sign the bid documents and or sign a joint venture or consortia agreement, an “Authority to sign” issued by a director of the enterprise(s) or by the Board of Directors of the enterprise(s) must be submitted with the bid at the closing date. Failure to comply with this requirement at the closing date of the bid, will invalidate the bid submitted.

9 CONTRACT PERIOD

- 9.1 The contract period is stipulated in the Contract Data or the specifications.
- 9.2 The construction period for Infrastructure works, will commence from the date of site handover.

10 NEGOTIATION WITH THE IDENTIFIED PREFERRED BIDDER

- 10.1 The Bid will be awarded to the bidder who scores the highest PPPFA number of points:
 - 10.1.1 However, should an offer not be market related, the Department reserves the right to negotiate with bidders a reasonable market price /offer?

11 AWARD OF CONTRACTS TO TENDERERS NOT SCORING HIGHEST POINTS

- 11.1 The Department reserves the right to award the bid to a tenderer not scoring the highest points, after having applied an objective criteria or a risk assessment criteria, if such (i.e. the objective criteria/ risk assessment) is specified in the bid document.

12 TAX COMPLIANCE

- 12.1 No tender shall be awarded to a bidder who is non tax -compliant.
- 12.2 All bidders' tax matters must be in order prior to award.
- 12.3 Bidders' tax matters will be verified through CSD.
- 12.4 If the recommended bidder's tax status is non-compliant, the recommended bidder must submit written proof from SARS of their tax compliant status or submit written proof that they have made an arrangement with SARS to meet their outstanding tax obligations.
- 12.5 The recommended bidder will be given a maximum of seven (7) working days to correct their tax compliance status.
- 12.6 Failure to comply within seven (7) working days, from the date of the request, the Department will reject the bid submitted by the bidder.

13 REGISTRATION AS A VAT-VENDOR

- 13.1 Non-VAT vendors do not have to include VAT in their bid prices.
- 13.2 Non-VAT vendors who submit bids for contracts that would, if successful, take their annual turnover above the threshold of R1 million, must include VAT in the prices quoted and must therefore immediately upon award of the contract, register with the South African Revenue Service (SARS) as VAT vendors.
- 13.3 The award of contract would be conditional (for Non-VAT vendors who included VAT in their prices) conditional pending the successful bidder submitting proof of registration as VAT vendor with SARS within 21 days of award.

- 13.4 Failure to comply within 21 days after being notified to do so will lead to the automatic withdrawal of the "provisional letter of award" and elimination of the bidder's offer.
- 13.5 VAT vendors must include VAT in their bid prices and failure to comply will lead to an automatic elimination of the bidder's offer.
- 13.6 In all other instances, where bidders have excluded VAT from the prices quoted, if the bidder is successful, the letter of award will clearly state that the price at which the contract is awarded is exclusive of VAT and that VAT will not be added on at any stage after the contract has been signed.
- 13.7 If a Non-VAT vendor/ bidder is contracted with the Department with a price which is Excluded Vat, and it becomes a VAT vendor after award or alternatively becomes a VAT vendor due to a cumulative number of awards, the bidder will have to absorb the adverse financial implications of not including VAT in their price quoted. VAT cannot be claimed from the Department for any payments already made or from any future payments.

14 CERTIFICATION OF DOCUMENTS

- 14.1 Where so required in the bid documents, bidders are required to submit copies, which are certified as a "true copy of the original".
- 14.2 If a bidder submitted an uncertified copy of an original document, or an original copy which is not correctly certified, the bidder will be afforded an opportunity to correct such non-compliance within a minimum period of 48 hour.
- 14.3 All bidders' whose copies complies with the minimum requirements above, will be "deemed in order" and will be subjected for consideration in further evaluation processes, even if the Department did not request any corrections.
- 14.4 No submissions of new or alternative documents or certified copies of new or alternative documents will be allowed after the bid closing date.
- 14.5 The Department will not accept a copy of a previously certified document and will not provide any bidder an opportunity to correct such a non-compliance.

15 REQUIREMENTS FOR A VALID BBBEE CERTIFICATES AND SWORN AFFIDAVITS

- 15.1 A valid B-BBEE Certificate is a B-BBEE Certificate which has not expired at the closing date of the bid.
- 15.2 A "Sworn Affidavit" must comply with the following minimum requirements at the closing date, to be considered valid. If the submitted "Sworn Affidavit" does not comply with the minimum requirements below, the bidder will not be given an opportunity to correct it:
 - 15.2.1 The "Sworn Affidavit" must not be expired at the closing date.
 - 15.2.2 The BBBEE Level Contributor must be indicated (ticked)
 - 15.2.3 The "Sworn Affidavit" must be signed and dated by the bidder (Deponent).
 - 15.2.4 The "Sworn Affidavit" submitted must be signed and stamped by the "Commissioner of Oath".
 - 15.2.5 The "latest financial year-end" field must not be left blank.
 - 15.2.5.1 The latest "financial year-end date" cannot be a future date.
 - 15.2.5.2 If only the year is indicated (it is not in the format: day/month/year), the Department will validate the financial year-end (day/month) from CIPC or deal with any clarity seeking matter/ confirmation as an administrative matter.
- 15.3 In respect of "Sworn Affidavits" of the Construction sector, Property Sector, the field (block) where the bidder must confirm its financial information (i.e. Net Assets or Annual Turnover) must be completed (ticked) and must not be left blank or not ticked.
- 15.4 The Commissioner of Oath cannot be an employee or ex officio of the enterprise because, a person cannot by law, commission a sworn affidavit in which they have an interest.
- 15.5 The Department will seek the following clarity matters in respect of the Sworn Affidavits (should it be deemed necessary) and upon request, the bidder will be given a minimum of five (5) working days to respond to the Department:
 - 15.5.1 If the bidder did not select/circle/ticked "Member/ Director/ Owner" where so required. The Department will communicate with such affected the bidder in writing.
 - 15.5.2 If a bidder did not select/ circle/ ticked the required field "Financial Statements/ Management Accounts/ Audited Financial Statements" where so required. The Department will communicate with such affected the bidder in writing.

- 15.5.3 If only the year is indicated (it is not in the format: day/month/year), the Department will validate the financial year-end (day/month) on CIPC or against any other submitted document or will seek clarity / confirmation from the bidder and deal with it as an administrative matter.
- 15.5.4 If the financial year-end indicated in the sworn affidavit is not at the end of the month or it is not the correct month when validated on CIPC or against any other submitted documents, the Department will enquire from the affected bidder to indicate its correct latest financial year end in the format (day/month/year) and:
 - 15.5.4.1 If the “day” indicated on the submitted affidavit is wrong, but the month and year is correct, the bidder’s affidavit will be “deemed valid” and it will be evaluated.
 - 15.5.4.2 If the “month” indicated on the submitted affidavit is wrong, the bidder’s affidavit will be considered invalid.
- 15.6 The Department will deal with all other matters, which is not listed under the minimum requirements as reflected above, as administrative matters, should it be deemed necessary.
- 15.7 For all sectors (example the construction sector, the property Sector and or any sector), a “Sworn Affidavit” issued in terms of the relevant sector must be used. All the minimum requirements applicable to “valid sworn affidavits” as per this “Special Conditions of Bid” will apply.

16 AWARDING OF POINTS FOR SPECIFIC GOALS (PA-16)

- 16.1 In accordance with the PPPFA regulations 2022, bidders will not be eliminated if they do not submit a BBEE – certificate or a “valid sworn affidavits”. The bidder will not be scored for points, but will be evaluated further.
- 16.2 For a bidder to be awarded points for specific goals as per the bid, the bidder must submit proof as specified in the bid document with the bid at the closing date and time.
- 16.3 The requirements of a valid BBEE-Certificate and or “Sworn Affidavit” as specified in the Special Conditions of Tender applies.
- 16.4 Parties in an unincorporated joint venture must submit its own consolidated B-BBEE certificate, which has not expired at the closing date of the bid.
- 16.5 If a bidder submit with the bid at the closing date the required proof for specific goals, as specified in the bid document, but the proof is not certified or is certified incorrectly, the bidder will be given a minimum of 48 hours to submit a copy which is correctly certified. The copy maybe certified after the closing date of the bid. The copies maybe certified after the closing date of the bid.
- 16.6 Non-submission of the PA-16 form or non-completion the PA-16 form or an incomplete PA-16 form, is not an elimination criteria.
- 16.7 If a bidder submit at the closing date of the bid a valid proof as specified in the bid document, but the bidder’s PA 16 is not signed or dated or witnessed or it is not properly completed, or its not completed or submitted or did not claim points, the bidder will be given a minimum of 48 hours to submit or correctly complete its PA 16.
- 16.8 All bidders’ whose submitted proof as specified in the bid document and it complies with the minimum requirements above, will be “deemed in order” and will be subjected for consideration in further evaluation, even if the Department did not request any corrections/ certifications.
- 16.9 No submissions of alternative proof for specific goals as specified in the bid document will be allowed after the bid closing date.
- 16.10 Bidders who failed to submit the required proof for points for specific goals, will not be scored for the relevant specific goal(s), but there offers will still be evaluated further.

17 BIDDER’S DISCLOSURE/ BIDDER’S DECLARATION (PA - 11)

- 17.1 The Department will afford a bidder an opportunity to correct its PA-11 form, if the bidder omitted to sign or to complete or to properly complete this form.
- 17.2 A bidder’s offer maybe eliminated if the bidder’s declaration is proven false during the bid evaluation process.

18 CORRECTION OF ERRORS

- 18.1 Only the authorised signatory to the tender should initial corrections in the tender document.
- 18.2 All corrections must be in non-erasable ink and the use of correcting fluid (tippex) is prohibited.
- 18.3 In the event that a correction is not initialled or the correction is initialled by a person not having the prescribed authority, the Department will:
 - 18.3.1 Seek the necessary clarification from the tenderer and;
 - 18.3.2 If accepting the response from the tenderer, evaluate the bid further and or;
 - 18.3.3 Allow the tenderer to correct/ ratify any noncompliance, where necessary.

19 CONDITIONS WITHDRAWN FROM THE GENERAL CONDITIONS OF CONTRACT

- 19.1 N/A

20 INCOMPLETE SECTIONS OR SCHEDULES IN BID DOCUMENTS

- 20.1 Bidders' who omitted or incorrectly completed a section(s) or a schedule(s) in the bid document, but have submitted with the bid the required/ specified proof or supportive documents for that particular sections of the document, maybe allowed to correct such non-compliance.

21 POINTS FOR SPECIFIC GOALS

- 21.1 To qualify for points for Specific goals, as specified in the "Invitation to Bid" and the "PA-16", bidders must comply with the requirements at the closing date of the bid.
- 21.2 It is the bidder's responsibility to ensure that it submit the correct evidence at the closing date of the bid, for the validation of the points the bidder is claiming.
- 21.3 Bidder's will not be given an opportunity to submit evidence after closing date, if the evidence is not submitted or if incorrect evidence was submitted.

22 THE OTHER ADDITIONAL INFORMATION WHICH MAY BE REQUIRED FOR EVALUATION

CRITERIA	SPECIAL CONDITIONS OF BID
a) A close corporation, incorporated prior to 1 May 2011 under the Close Corporations Act, 1984 (Act 69 of 1984, as amended)	Copies of the Founding Statement - CK1
b) A profit company duly registered as a private company. [including a profit company that meets the criteria for a private company, whose Memorandum of Incorporation states that the company is a personal liability company in terms of Section 8(2)(c) of the Companies Act, 2008 (Act 71 of 2008, as amended)].	Copies of: i. Certificate of Incorporation - CM1; ii. Shareholding Certificates of all Shareholders of the company, plus a signed statement of the company's Auditor, certifying each Shareholder's ownership / shareholding percentage relative to the total; and/or iii. Memorandum of Incorporation in the case of a personal liability company.
c) A profit company duly registered as a private company in which any, or all, shares are held by one or more other close corporation(s) or company(ies) duly registered as profit or non-profit company(ies).	Copies of documents referred to in a. and/or b. above in respect of all such close corporation(s) and/or company(ies).
d) A profit company duly registered as a public company.	Copy of Certificate of Incorporation - CM1, and a signed statement of the company's Secretary or Auditor confirming that the company is a public company.
e) A non-profit company, incorporated in terms of Section 10 and Schedule 1 of the Companies Act, 2008 (Act 71 of 2008, as amended).	Copies of: i. The Founding Statement - CK1; and ii. The Memorandum of Incorporation setting out the object of the company, indicating the public benefit, cultural or social activity, or communal or group interest.

CRITERIA	SPECIAL CONDITIONS OF BID
f) A natural person, sole proprietor or a Partnership	Copy(ies) of the Identity Document(s) of: i. such natural person/ sole proprietor, or each of the Partners to the Partnership.
g) A Trust	Deed of Trust duly indicating names of the Trustee(s) and Beneficiary (ies) as well as the purpose of the Trust and the mandate of the Trustees.

23 DISCLAIMER

23.1 It is impractical and cumbersome for the Department to communicate with all qualifying bidders to correct/ ratify all eligible matters as articulated in this “Special Conditions of Bid”. The Department therefore reserves the right and discretion, during its evaluation and other administrative processes to:

- 23.1.1 Limit its correspondences for corrections/ ratifications/ clarities to potential higher point scoring bidders only and to
- 23.1.2 Further evaluate any potential qualifying lower scoring bidder(s) as “deemed responsive” or giving points, etc., without requesting the corrections/ ratifications of a matter which is eligible as per the “Special Conditions of Bid”.

– End Special Conditions of Bid –
(Version: Approved 18 July 2025)

FACILITIES MANAGEMENT CONDITIONS OF CONTRACT (DPW)

SEPT. 2005 VERSION 1

PA-10 (FM): CONDITIONS OF CONTRACT

1. DEFINITIONS

- 1.1. *The following words and expressions shall have the meanings hereby assigned to them except where the context otherwise requires:*
- 1.1.1. *"Additional Services" are increases in the quantity of the routine Services detailed in the Scope of Works.*
- 1.1.2. *"Bill of Quantities" means the document so designated in the Pricing Data that describes the Services and indicates the quantities and rates associated with each item which the Employer agrees to pay the Service Provider for the Services completed;*
- 1.1.3. *"Certificate of Completion" means the certificate issued by the Service Manager signifying that the Contract has expired;*
- 1.1.4. *"Commencement Date" means the date on when the Service Provider is notified of the Employer's acceptance of its offer;*
- 1.1.5. *"Contract" means the Contract signed by the Parties and of which these Conditions of Contract form part of, and such amendments and additions to the Contract as may be agreed in writing between the Parties;*
- 1.1.6. *"Contract Data" means the specific data, which together with these Conditions of Contract, Scope of Works and Pricing Data collectively describe the risks, liabilities and obligations of the contracting Parties and the procedures for the administration of the Contract;*
- 1.1.7. *"Contract Period" is from Commencement Date for the period stated in the Contract Data;*
- 1.1.8. *"Contract Price" means the price to be paid for the Services in accordance with the Pricing Data, subject to such additions thereto or deductions there from as may be made from time to time under the provisions of the Contract;*
- 1.1.9. *"Contract Sum" refers to the amount stated by the Service Provider in the Form of Offer and Acceptance;*
- 1.1.10. *"CPAP" means contract price adjustment provisions used for the adjustment of fluctuations in the cost of labour, plant and materials and goods as stated in the Contract Data;*
- 1.1.11. *"Day" means a calendar day;*
- 1.1.12. *"Drawings" means all drawings, calculations and technical information which are made available to the Service Provider for inspection at a venue and time to be announced by the Service Manager and any modifications thereof or additions thereto from time to time approved in writing by the Employer or delivered to the Service Provider by the Employer;*
- 1.1.13. *"Employer" means the contracting Party named in the Contract Data who appoints the Service Provider;*
- 1.1.14. *"Equipment" includes all appliances, tools implements, machinery, articles and things of whatsoever nature required in or for the rendering, completion or defects correction of the Services but does not include materials;*
- 1.1.15. *"Facilities" means the land and buildings, detailed in the Scope of Works, and any additions, or omission thereto, made available by the Employer for the purposes of the Contract, on, under, over, in or through which the Services are to be rendered or carried out;*

- 1.1.16.** *"Form of Offer and Acceptance" means the written communication by the Employer to the Service Provider recording the acceptance of the Service Provider's offer;*
- 1.1.17.** *"Identified Projects" means any projects, other than routine Services, identified and agreed to by the Parties during the Contract period or any extensions thereto, to be completed in terms of the Contract.*
- 1.1.18.** *"Materials" includes all materials, commodities, articles and things required to be furnished under the Contract for the execution of the Services;*
- 1.1.19.** *"Month" refers to the period commencing on a certain day of a month to the day preceding the corresponding day of the next month;*
- 1.1.20.** *"Parties" means the Employer and the Service Provider;*
- 1.1.21.** *"Pricing Data" means the document that contains the Bill of Quantities and provides the criteria and assumptions, which it will be assumed in the Contract were taken into account by the Service Provider when developing his prices;*
- 1.1.22.** *"Services" means all the work to be performed by the Service Provider during the Contract Period in accordance with the Contract, as more fully set out in the Scope of Works, as amended from time to time by written agreement between the Parties;*
- 1.1.23.** *"Service Provider" means the Tenderer, as named in the Contract Data, whose offer has been accepted by or on behalf of the Employer and, where applicable, includes the Service Provider's heirs, executors, administrators, trustees, judicial managers or liquidators, as the case may be, but not, except with the written consent of the Employer, any assignee of the Service Provider;*
- 1.1.24.** *"Service Manager" means the representative of the Employer named as the Service Manager in the Contract Data. The Employer reserves the right to replace the said Service Manager, by written notice to the Service Provider, without the need to furnish reasons therefor;*
- 1.1.25.** *"Scope of Work" refers to the document which defines the Employer's objectives and requirements and specifications and any other requirements and constraints relating to the manner in which the Services must, or may, be provided or performed;*
- 1.1.26.** *"Service Period" refers to the period indicated in the Contract Data during which the Service Provider shall render the Services required in terms of the Contract;*
- 1.1.27.** *"Transitional Stage" refers to the period indicated in the Contract Data, which commences immediately on the expiry of the Service Period, and during which the Services to be provided by the Service Provider shall include, inter alia, the provision and transfer to the incoming service provider of managerial support and information, as detailed in the Scope of Works.*

2. INTERPRETATION

- 2.1.** *In this Contract, except where the context otherwise requires:*
 - 2.1.1** *The masculine includes the feminine and the neuter, vice versa;*
 - 2.1.2** *The singular includes the plural; and vice versa*
 - 2.1.3** *Any reference to a natural person includes a body corporate, firm, association or consortium/joint venture/partnership, vice versa.*
- 2.2.** *The headings to the clauses of this Contract are included for reference purposes only and shall not affect the interpretation of the provisions to which they relate.*
- 2.3.** *Words and phrases defined in any clause shall bear the meanings assigned thereto.*

- 2.4. *The various parts of the Contract are severable and may be interpreted as such.*
- 2.5. *The expressions listed in clause 1 bear the meanings as assigned thereto and cognate expressions bear corresponding meanings.*
- 2.6. *If any provision in a definition clause is a substantive provision conferring rights or imposing obligations on any Party, effect shall be given to it as if it were a substantive clause in the body of the Contract, notwithstanding that it is only contained in the interpretation clause.*

3. DURATION

- 3.1. *The rights and obligations of the Parties to this Contract shall commence on the Commencement Date.*
- 3.2. *Subject to the terms of clauses 33 and 34 relating to breach and termination respectively, the Contract will commence on the Commencement Date and terminate on the expiry of the Contract Period, unless it is extended in terms of clause 3.3.*
- 3.3. *The terms or duration of the Contract may be extended as a result of bona fide negotiations between the Parties. No extension of term or duration of the Contract shall however be valid unless the terms and conditions of such extension has been reduced to writing and signed by the authorised representatives of both Parties.*

4. RIGHTS AND OBLIGATIONS OF THE EMPLOYER

- 4.1. *The Employer shall give access to or supply the Service Provider with:*
 - 4.1.1 *All relevant, available data and information required and requested by the Service Provider for the proper execution of the Services; and*
 - 4.1.2 *Such assistance as shall reasonably be required by the Service Provider for the execution of its duties under the Contract.*

5. RIGHTS AND OBLIGATIONS OF THE SERVICE PROVIDER

- 5.1. *The Service Provider shall, in executing his obligations, comply with the Service Manager's written instructions on any matter relating to the Services.*
- 5.2. *The Service Provider shall take instructions only from the Service Manager or other persons authorised by the Service Manager in terms of Clause 6.*
- 5.3. *The Service Provider shall not have the power of attorney or authority to enter into any contract or to otherwise bind or incur liability on behalf of the Employer, save where prior written authorisation has been obtained.*
- 5.4. *The Service Provider shall ensure that it, its employees, agents and representatives have the relevant experience and capacity necessary for rendering of the Services with the reasonable degree of skill, care and diligence that may be expected of professionals providing services similar to the Services.*
- 5.5. *Should any member of the Service Provider's team, in the opinion of the Service Manager or occupants of the Facilities, misconduct himself or is incompetent or negligent in the delivery of the Services, or whose presence on the Facilities is otherwise considered by the Service Manager, or occupants of the Facilities, on reasonable grounds, to be undesirable, the Employer may, in writing and together with reasons therefor, request that such person be removed. Such person shall not again be employed on the Services without the prior written consent of the Employer.*

- 5.6. *The Service Provider undertakes to effect such removal, as referred to in 5.5 above, within a day of receipt of the Employer's written request.*
- 5.7. *The Service Provider shall ensure that reasonable levels of care and responsibility are exercised when using items belonging to the Employer in the delivery of the Services.*
- 5.8. *During the ongoing provision of the Services the Service Provider shall at all times keep the Facilities clean and in a safe condition.*
- 5.9. *Notwithstanding anything herein contained to the contrary, it is specifically agreed that the appointment of the Service Provider shall not create an employment contract or relationship between the Parties and the Service Provider or his employees shall therefore not be entitled to any benefits to which the employees of the Employer may be entitled.*

6. SERVICE MANAGER

- 6.1. *The Service Manager shall administer the Contract on behalf of the Employer in accordance with the provisions of the Contract.*
- 6.2. *The Service Manager may delegate any of his powers and authority and may cancel such delegation, on the prior written notification thereof to the Service Provider.*
- 6.3. *Such delegation shall continue in force until the Service Manager notifies the Service Provider in writing that the delegation is terminated.*
- 6.4. *The Service Provider may at any time, prior to giving effect thereto, refer any written order or instruction of the Service Manager's delegatee to the Service Manager who shall confirm, reverse or vary such order or instruction.*

7. SECURITY

- 7.1. *The Service Provider shall provide to the Employer security in the amount and in the form set out in the Contract Data and any expenditure incurred in doing so shall be borne by the Service Provider.*
- 7.2. *Should the Service Provider fail to select the security to be provided or should the Service Provider fail to provide the Employer with the selected security within 21 days from Commencement Date, it shall be deemed that the Service Provider has selected a security in the form of a retention of 2.5 % of the Contract Sum (excl. VAT).*

8. SECURITY CLEARANCE

- 8.1. *In the event of security clearance becoming necessary, the Service Provider, any subcontractors and all human resources utilized by the Service Provider undertake to undergo security clearance, for which purpose the necessary forms will be made available to the Service Provider at the relevant time by the Employer. The Service Provider accepts that if he or any of his human resources refuses to undergo the required security clearance, they will not be allowed on the Facilities to render the Services.*
- 8.2. *It is required that all persons engaged in the rendering of the Services shall be easily identifiable and where required, security cleared.*

9. CONFIDENTIALITY

- 9.1. *The Service Provider undertakes to keep any and all information, of whatever nature, relating to the Contract or which he becomes privy to due to his presence at the Facilities, strictly*

confidential and such shall not be sold, traded, published or otherwise disclosed to anyone in any manner whatsoever, including by means of photocopy or other reproduction, without the Employer's prior written consent. As disclosure or improper use of the confidential information, without the Employer's prior written consent, will cause the Employer harm:

9.1.1 *the Service Provider shall be liable for any loss or damages suffered by the Employer and shall indemnify the Employer against any claims by third parties as a result of such unauthorised disclosure or use thereof, either in whole or in part; and/or*

9.2.1 *the Employer shall be entitled to cancel the Contract*

9.2. *The Service Provider shall be entitled to disclose such confidential information to the following persons, who have a clear need to know interest, in order to assist with the rendering of the Services on the Contract:*

9.2.1 *employees, officers and directors of the Service Provider; and*

9.2.2 *any professional consultant or agent retained by the Service Provider for the purpose of rendering the Services, provided that the identity of such consultant or agent is made known to the Employer in writing and the Employer acknowledges in writing that the confidential information may be disclosed to such person.*

9.3. *The Service Provider shall be responsible for ensuring that all persons to whom the confidential information is disclosed under this Contract shall keep such information confidential and shall not disclose or divulge the same to any unauthorised person.*

9.4. *The confidential information shall remain the property of the Employer and the Employer may demand the return or destruction thereof, at the cost of the Service Provider, at any time upon giving written notice to the Service Provider. Within ten (10) days of receipt of such notice, the Service Provider shall return all of the original confidential information and shall destroy all copies and reproductions (both written and electronic) in its possession or in the possession of persons to whom it was disclosed and furnish a certificate to the Employer stating as much.*

10. AMBIGUITY IN DOCUMENTS

10.1. *The several documents forming the Contract are to be taken as mutually explanatory of one another and any ambiguity in or discrepancy between them shall be explained and, if necessary, rectified by the Service Manager who shall thereupon issue to the Service Provider a written explanation giving details of the adjustments, if any, and a written instruction directing what Service, if any, is to be delivered.*

11. INSURANCES

11.1. *It is the responsibility of the Service Provider to assess his risks on this project and to ensure that he obtains and maintains the adequate insurances to cover such risks.*

12. ACCESS TO THE FACILITIES AND COMMENCEMENT OF THE SERVICES

12.1. *The Service Provider shall provide the Employer, within 21 days of the Commencement Date, with an acceptable health and safety plan and such other information required in terms of the Occupational Health and Safety Act (85 of 1993).*

12.2. *The Service Period shall commence 30 days from Commencement date, or on such other date as maybe specified in the Contract Data*

12.3. *Notwithstanding the provision of 12.2, the Service Provider shall be given access to the Facilities or portions thereof, only after the provision by the Service Provider of an acceptable health and safety plan and of security clearance being obtained in terms of Clauses 12.1 and 8.1 respectively.*

- 12.4. *The Service Provider shall be given access to the Facilities or portions thereof and shall render the Services in accordance with its programme, referred to in clause 13 or after the receipt by him of a written instruction to this effect.*
- 12.5. *If the Employer fails to give the Service Provider access to the facility or any portion thereof for any reason other than default by the Service Provider and the Service Provider suffers additional costs as a result thereof, the Service Provider shall be entitled to make a claim therefor provided that the Service Provider is able to prove his claim and that he has taken all reasonable steps to mitigate the additional costs.*
- 13. PROGRAMME**
- 13.1. *The Service Provider shall deliver to the Service Manager within 14 days from Commencement Date, a realistic programme and a cash flow for the delivery of the Services. The programme shall describe and detail the order in which the Services are to be rendered and shall be subject to the approval of the Service Manager, which written approval shall not be unreasonably withheld.*
- 13.2. *The Service Provider shall, on receipt of a written request from the Service Manager, furnish the Employer with any documents or information, of whatever nature, in support of the programme and/or in relation to the manner in which the Services are to be rendered and/or the resources to be supplied and used in the rendering of the Services and/or progress of the various parts of the Contract; and/or a detailed cash flow forecast.*
- 13.3. *A programme and the cash flow forecast will be submitted in terms of 13.1 and reviewed quarterly or as circumstances may require.*
- 13.4. *Agreement to the programme by the Service Manager or any adjustment thereto will not alter the responsibilities of the Service Provider in terms of this Contract.*
- 14. SUBCONTRACTING**
- 14.1. *The Service Provider may subcontract any part of the Services at its discretion. The subcontracts shall incorporate the applicable terms, conditions and requirements of this Contract.*
- 14.2. *Subcontracting by the Service Provider shall not be construed as relieving the Service Provider from any obligations under the Contract or imposing any liability on the Employer.*
- 15. INTELLECTUAL PROPERTY RIGHTS INDEMNITY**
- 15.1. *The Service Provider undertakes to obtain the necessary consent from the proprietors or their licensees should the Service Provider make use of the intellectual property of any other person.*
- 15.2. *The Service Provider further indemnifies the Employer against any claim or action (including costs on an attorney and client scale) caused by or arising from the failure to obtain such consent.*
- 16. COMPLIANCE WITH LEGISLATION**
- 16.1. *This clause applies to legislation emanating from national and provincial government as well as that of any local authorities in whose area of jurisdiction the Facilities fall and which have a bearing on the delivery of the Services and Facilities under this Contract.*
- 16.2. *All the applicable legislation, which does not specifically allow discretion in respect of compliance by the Employer, shall be followed exactly as intended by such legislation regardless of any instructions, verbal or in writing, to the contrary.*

- 16.3. *Should any applicable legislation allow discretion in respect of compliance by the Employer it shall be followed exactly as intended by the relevant legislation as if no discretion is allowed until such time as specific instructions in writing are issued to the Service Provider by the Service Manager.*
- 16.4. *The Service Provider shall in the provision of the Services comply with the provisions of, and give all notices and pay all fees, taxes, levies and other charges required to be given or paid in terms of any legislation or imposed by any other body or person. The Service Provider hereby indemnifies the Employer against any liability for any breach of the provision of this clause.*
- 16.5. *It is the responsibility of the Service Provider to obtain the consents, permissions and/or permits, referred to in Clause 16.4, in the provision of the Services.*
- 16.6. *The Service Provider shall not have a claim against the Employer, and the Employer shall not be liable to refund the Service Provider for any of the fees, taxes, levies and other charges referred to Clause 16.4.*
- 17. REPORTING OF INCIDENTS**
- 17.1. *In addition to the above, the Service Provider shall, as soon as possible, notify the Employer in writing of any incidents at the Facilities, which resulted or could have resulted in damage to property or injury or death to persons.*
- 17.2. *The Service Provider shall verbally notify the Service Manager of any of the incidents referred to in 17.1 immediately after the occurrence thereof.*
- 17.3. *The Service Provider shall follow up the verbal notification referred to in 17.2 with a detailed written report on such incidents to the Service Manager within the time frame indicated by the Service Manager, but in any event within 48 hours of the incident.*
- 17.4. *The written report referred to in 17.3 shall provide for all incidents, which resulted in injury, death or damage to property.*
- 17.5. *The Service Provider shall notify the Employer immediately, on becoming aware of the Contract requiring him to undertake anything that is illegal or impossible*
- 18. NUISANCE**
- 18.1. *The Service Provider shall deliver the Services in a manner that shall not cause unnecessary noise, nuisance, or hinder the normal activities in the Facilities.*
- 18.2. *The Service Provider hereby indemnifies the Employer against any liability arising out of the Service Provider's non-compliance with his obligations in terms of Clause 18.1.*
- 19. MATERIALS, WORKMANSHIP AND EQUIPMENT**
- 19.1. *All Services delivered, and materials and workmanship shall comply with the requirements of this Contract, the manufacturer's specification; good industry practice and the Service Manager's written instructions and shall be suitable for the purpose intended.*
- 19.2. *The Service Provider shall, in accordance with the Scope of Works or if instructed by the Service Manager, carry out tests demonstrating the acceptability of the relevant Services provided, or the suitability of materials or equipment to be used.*
- 19.3. *The Service Provider shall provide all necessary assistance, labour, materials, testing equipment and instruments for the purpose of such tests to be performed by himself or, if so instructed by the Service Manager, for the purposes of tests to be performed by any other person.*
- 19.4. *All costs for tests carried out shall be deemed to be included in the Service Provider's prices*

- 19.5. *Copies of the reports on the tests referred to in Clause 19.2 shall be forwarded by the Service Provider to the Employer within 10 days of the tests being completed.*

20. URGENT WORK

- 20.1. *The Employer may, by itself or through another service provider, effect any remedial or other repair work which becomes necessary due to an act or omission on the part of the Service Provider.*
- 20.2. *If the remedial or repair work became necessary due to an act or omission on the part of the Service Provider, its employees, agents or representatives, the Service Provider shall effect such remedial or repair work at its own cost.*
- 20.3. *If the remedial or repair work is urgently necessary due to an act or omission on the part of the Service Provider, its employees, agents or representatives and the Service Provider refuses to or is not available or able to effect such remedial or repair work, the Employer may effect such remedial or repair work either by itself or through another service provider.*
- 20.4. *If the Employer effects the remedial or repair work in terms of 20.3, then the Employer may recover such costs, losses or damages from the Service Provider or by deducting the same from any amount still due under this Contract or under any other contract presently or hereafter existing between the Employer and the Service Provider and for this purpose all these contracts shall be considered one indivisible whole.*

21. INDEMNIFICATIONS

- 21.1. *The Service Provider shall be liable for and hereby indemnifies the Employer against any liability, claim, demand, loss, cost, damage, action, suits or legal proceedings whether arising in common law or by statute consequent upon:*
- 21.1.1 *personal injuries to or the death of any person arising out of, related to, occasioned by, attributed to, or in the cause of or caused by the rendering of the Services;*
- 21.1.2 *loss of or damage to any movable or immovable or personal property or property contiguous to the Facilities whether belonging to or under the control of the Employer or any other body or person arising out of, related to, occasioned by, attributed to, or in the cause of or caused by reason of the rendering of the Services;*
- 21.1.3 *any liens, attachments, charges or other encumbrances or claims upon or in respect of any materials parts, work-in-process or finished work furnished to, or in respect of which any payment has been made by the Employer.*
- 21.2. *The Employer accepts liability for all acts or omissions of its employees, agents or representatives.*

22. VARIATIONS

- 22.1. *The Employer may at any time during the Contract Period, vary the Services by way of additions, omissions, or substitutions.*
- 22.2. *No variation by the Employer of whatever nature shall vitiate the Contract.*
- 22.3. *Any Services required by the Employer outside of the Services as referred to in the Scope of Works will be regarded as being Identified Projects and shall be dealt with under clause 23 and shall be executed as a variation order.*
- 22.4. *The Service Provider shall inform the Employer of any instructions that are deemed to be Additional Services prior to such instructions being executed.*

- 22.5. *Additional Services will only be executed by the Service Provider after receipt by him of a written instruction from the Service Manager.*
- 22.6. *If no prior written authorisation, as required in 22.5 above, has been obtained, the Employer shall not reimburse the Service Provider for the Additional Services so executed, and the Service Provider agrees that it shall not have a claim for payment for such Additional Services.*
- 22.7. *The Additional Services will be valued at the rates in the Pricing Data.*
- 23. IDENTIFIED PROJECTS**
- 23.1. *The Service Provider shall inform the Employer of any instructions that are deemed to be Identified Projects prior to such instructions being executed.*
- 23.2. *The Employer is not obliged to engage the services of the Service Provider on Identified Projects. The Employer may, by itself, through another service provider or through the Service Provider effect the services/works under Identified Projects.*
- 23.3. *Identified Projects will only be executed by the Service Provider after receipt by him of a written instruction from the Service Manager.*
- 23.4. *If no prior written authorisation, as required in 23.3 above, has been obtained, the Employer shall not reimburse the Service Provider for the Identified Projects so executed, and the Service Provider agrees that it shall not have a claim for payment for such Identified Projects.*
- 23.5 *In respect of the Identified Projects, the written instruction referred to in 23.3 shall:*
- (a) *describe the services/works required to be executed by the Service Provider under the Identified Project;*
 - (b) *state the due commencement and completion dates of the relevant Identified Project;*
 - (c) *state the total cost of the relevant Identified Project as agreed to between the Parties;*
and
 - (d) *any additional requirements, conditions of contract and/or restrictions, other than those already stated in the Contract, that will be applicable.*
- 23.6 *Within 14 days of receipt of the written instruction referred to in 23.5, the Service Provider shall furnish the Employer with a realistic programme and a cash flow for the relevant Identified Project as required in 13.*
- 23.7 *Where an Identified Project comprises services/works that are of the same or similar character executed under the same or similar conditions as those to which the rates in the Pricing Data apply, it shall be valued at such rates.*
- 23.8 *Where an Identified Project comprises services/works that are not of the same or similar character executed under the same or similar conditions as those to which the rates in the Pricing Data apply, it shall be valued at market related rates to be agreed to in writing between the Employer and the Service Provider and in advance of executing the Identified Project. Failing agreement, the rates applicable shall be as determined by the Employer.*
- 23.9 *If the Service Provider fails to complete the Identified Project by the completion date specified in the written instruction referred to in 23.3, then the Service Provider will be liable for a penalty, at the rate stated in the Contract Data, for every day that lapses from the due completion date of the relevant Identified Project to the date of the actual completion of such Identified Project.*

23.10 *If the Identified Projects are delayed by variations, omissions, additions, substitutions or organised work stoppages by any workman not due to any action on the part of the Service Provider, exceptionally inclement weather, any substantial increase in provisional quantities or any other cause beyond the Service Provider's control, including delays caused by the Employer, then the Service Provider shall be entitled to apply in writing within 21 days of the cause of delay arising to the Service Manager for extension of the due completion date of the relevant Identified Project stating the cause of delay and period of extension applied for.*

23.11 *If during the period for completion of the Identified Project or any extension thereof abnormal rainfall or wet conditions occur, the formula below shall be used to calculate separately the delay for each calendar month or part thereof. It shall be calculated each month during the period referred to herein above, or until the issue date of the certificate of completion for the relevant Identified Project, whichever is the shorter period. The delay calculated for a given month shall be used to determine the interim extension of time granted for the month. At the end of the applicable period referred to above, the aggregate of the monthly delays will be taken into account for the final determination of the total extension of time for the Contract:*

$$V = \frac{(Nw - Nn) + (Rw - Rn)}{X}$$

V = Delays due to rain in calendar days in respect of the calendar month under consideration.

Nw = Actual number of days during the calendar month on which a rainfall of Y mm or more per day has been recorded

Rw = Actual rainfall in mm for the calendar month under consideration.

Nn = Average number of days in the relevant calendar month (as derived from existing rainfall records provided in the project specifications) on which a rainfall of Y mm or more per day has been recorded.

Rn = Average rainfall in mm for the calendar month, as derived from the rainfall records supplied in the project specifications.

X = 20, unless otherwise provided in the project specifications.

Y = 10, unless otherwise provided in the project specifications.

The total delay that will be taken into account for the determination of the total extension of time for the Contract shall be the algebraic sum of the monthly totals for the period under consideration. But if the grand total is negative, the time for completion shall not be reduced on account of abnormal rainfall. The total extension of time for any calendar month shall not exceed (Nc – Nn) calendar days, where Nc = number of days calendar days in the month under consideration

The factor (Nw – Nn) shall be considered to represent a fair allowance for variations from the average number of days during which rainfall equals or exceeds Y mm per day.

The factor (Rw – Rn) ÷ X shall be considered to represent a fair allowance for variations from the average for the number of days during which rainfall does not equal or exceed Y mm per day, but when wet conditions prevent or disrupt work.

This formula does not take into account any flood damage, which could cause further or concurrent delays and which should be treated separately in so far as extension of time is concerned.

Accurate rain gaugings shall be taken at a suitable point on the site daily at 08:00 unless otherwise agreed to by the Service Manager, and the Contractor shall, at his own expense, take all necessary precautions to ensure that the rain gauges cannot be interfered with by unauthorized persons.

Information regarding existing rainfall records, if available from a suitable rainfall station near the site, will be supplied in the project specifications, together with calculations of rain delays for previous years in accordance with the above formula. The average of these delays will be regarded as normal rain delays which the Contractor shall accommodate in his programme, and for which no extension of time will be considered.

- 23.12 *Upon receipt of such written application, referred to in 23.10, the Employer may in writing extend the due completion date of the relevant Identified Project by a period to be determined by the Employer or may refuse to extend the due completion date of the relevant Identified Project. The due completion date of an Identified Project may not be extended beyond the end of the Contract Period stated in the Contract Data.*
- 23.13 *Any decision given by the Employer, in terms of 23.12, shall be final and binding on the Parties.*
- 23.14 *Should the Service Provider fail to apply in writing for an extension of the due completion date of the relevant Identified Projects within the 21 days referred to in 23.10, or should the Employer not grant an extension of the due completion date then the due completion date stipulated in the relevant written instruction referred to in 23.5 shall not be extended nor the Service Provider exonerated from liability to pay the penalty stipulated in 23.9 or from specific performance of the service/works within the period in the relevant written instruction.*

24. SUSPENSION OF THE SERVICES

- 24.1 *The Service Provider shall, on the written order of the Service Manager, suspend the provision of the Services or any part thereof for such time or times and in such manner as the Service Manager shall order and shall, during such suspension, properly protect the Services so far as is necessary.*
- 24.2 *If the Service Provider is instructed in writing by the Service Manager to suspend any or all of the Services, the Service Provider shall re-schedule the relevant Services. For the duration of such suspension all penalties applicable to that Service will be waived. Should the Service Provider suffer any additional costs resulting from such suspension, the Service Provider shall be entitled to make a claim therefor provided that the Service Provider shall prove his claim and that he has taken all reasonable steps to mitigate the additional costs.*
- 24.3 *If the Service Provider is unable to render any of the Services for any reason other than an instruction by the Employer to suspend the Services in terms of clause 24.1, the Employer shall not be liable for any claim of whatever nature, including a claim for costs, by the Service Provider.*

25. PENALTY FOR NON-PERFORMANCE

- 25.1 *The Service Provider shall be liable for a performance deduction, if the Service Provider in rendering any of the Services required under the Scope of Works, as amended from time to time,*
- 25.1.1 *delays in performing any of the Services;*
- 25.1.2 *fails to perform any of the Services;*
- 25.1.3 *fails to perform any of the Services to the standard required in the Scope of Works, as amended from time to time.*

- 25.2 *The performance deduction shall be calculated in accordance with the formula detailed in the Scope of Works.*
- 25.3 *The Service Provider shall not be liable for a performance deduction, if the Service Provider is unable to perform due to no fault of his own, his employees, agents or representatives.*
- 26. PAYMENTS**
- 26.1 *The Service Manager will evaluate the Service Provider's performance on a monthly basis.*
- 26.2 *The Service Provider shall submit a monthly certificate taking into account the following:*
- 26.2.1 *the assessment of the Services rendered during the assessment month, including routine services, management fees, and services using call down rates;*
- 26.2.2 *adjustments in terms of the pricing data;*
- 26.2.3 *additional work rendered by the Service Provider;*
- 26.2.4 *CPAP adjustment where stated in the Contract Data; and*
- 26.2.5 *VAT. Vat will be indicated separately in all documents.*
- 26.3 *If the Service Provider elects a security of 2,5% retention, or a 1,25% cash and 1,25% retention, then 5% of all moneys (excl. VAT) in the monthly certificate assessed by the Service Manager as being due to the Service Provider will be retained until such time as the amount retained equals 2.5% or 1,25%, whichever is applicable, of the Contract Sum (excl. VAT)*
- 26.4 *The monthly certificate shall be supported by a detailed report substantiating the Services rendered at each Facility during the month under assessment.*
- 26.5 *The monthly certificate shall be assessed by the Service Manager. If the Service Manager agrees with the certificate, he will issue a statement within 14 days of the receipt of the certificate, taking into account inter alia the following:*
- i. *Deductions for penalties;*
 - ii. *Deductions for overpayments;*
 - iii. *Deductions for retention*
 - iv. *Deductions for damages.*
- 26.6 *The Service Provider shall, on receipt of the statement referred to in 26.5, issue to the Employer a tax invoice in the amount reflected in the statement. The Employer shall effect payment to the Service Provider within 16 days of receipt of the tax invoice.*
- 26.7 *If the Service Manager does not agree with the certificate issued by the Service Provider in terms of Clause 26.2, the Service Manager shall within 14 days of receipt of the certificate, issue a statement in the amount to which the Service Manager agrees and shall give reasons for rejecting the balance of the claim indicated in the statement.*
- 26.8 *The Service Provider shall furnish the Employer with a tax invoice in the amount indicated in the statement referred to in Clause 26.7.*
- 26.9 *With regards to the claim in dispute, the Service Provider may, within 14 days of the Service Manager issuing the statement referred to in 26.7, submit a revised certificate or a justification for his claim or declare a dispute in terms of 34.*
- 26.10 *If it is later resolved that the amount in dispute or any part thereof is owing to the Service Provider, the Employer shall be liable for interest thereon from 30 days after the issue of the relevant monthly certificate referred to in 26.2 until the date of payment at the interest rate*

determined from time to time, by the Minister of Finance in terms of section 80 (1)(b) of the Public Finance Management Act, 1999 (Act 1 of 1999), as amended.

26.11 *All the work shall be evaluated in accordance with the provisions of the Pricing Data.*

26.12 *In assessing the quality of the work presented by the Service Provider, the Employer may enlist the assistance of third persons. In assessing the work the third person shall act reasonably. The selection of such third persons shall be in the absolute discretion of the Employer and the Service Provider shall abide by such selection.*

26.13 *Any and all extra costs incurred by the Service Provider, resulting from the Service Provider having to address and/or rectify queries arising from a claim submitted in respect of work done, shall be for the account of the Service Provider.*

27. RELEASE OF SECURITY

27.1 *If the Service Provider has furnished a security by way of a variable guarantee of 2.5% of the Contract Sum (excl. VAT), the security will be reduced and be released in accordance with the provisions of such variable guarantee.*

27.2 *If the Service Provider elects to furnish a security by way of a cash deposit of 2.5% of the Contract Sum (excl. VAT), then the security will be released as follows:*

27.2.1 *annually in equal portions, subject to 27.2.2 and 27.2.3;*

27.2.2 *95% of the last annual portion of retention shall be released within 30 days of the expiry of the Service Period;*

27.2.3 *the remaining retention shall be released within 30 days of the issue of the Certificate of Completion.*

27.3 *If the form of security selected is:*

(a) *a retention of 2.5% of the Contract Sum (excl. VAT); or*

(b) *a 1,25% cash deposit and a 1,25% retention of the Contract Sum (excl. VAT),*

then security will only be released after the 2,5% or 1,25% retention respectively has been accumulated, as follows:

27.3.1 *annually in equal portions, subject to 27.3.2 and 27.3.3;*

27.3.2 *95% of the last annual portion of retention shall be released within 30 days of the expiry of the Service Period;*

27.3.3 *the remaining retention shall be released within 30 days of the issue of the Certificate of Completion.*

28. OVERPAYMENTS

28.1 *If any overpayment of whatever nature is made to the Service Provider, the Service Provider shall be obliged to repay such amount to the Employer and the Employer shall be entitled to deduct such over payment from any amount due to the Service Provider, in respect of this Contract or any other contract, which the Employer may have with the Service Provider. The Employer shall be entitled to claim interest on any and all overpayments made to the Service Provider at the rate prescribed, from time to time, by the Minister of Finance in terms of section 80 (1)(b) of the Public Finance Management Act, 1999 (Act 1 of 1999), as amended.*

29. COMPLETION

- 28.1 *At the expiry of the Service Period the Service Manager shall furnish the Service Provider with a written list of Employer's Assets and Data handed over at commencement of the Contract and accumulated during the Contract Period.*
- 29.2 *At the expiry of the Contract Period, the Service Manager shall issue to the Service Provider a Certificate of Completion.*
- 29.3 *Upon the issue of a Certificate of Completion, unless otherwise provided in the Contract:*
- 29.3.1 *The Guarantee shall be returned, if applicable.*
- 29.3.2 *The final cash deposit or retention, whichever is applicable, shall be reduced to zero.*

30. ASSIGNMENT

- 30.1 *The rights and obligations of the Parties in terms of this Contract shall not be ceded, assigned, delegated, or otherwise transferred, by either Party to any person outside of the Service Provider and the Employer, save with the prior written consent of the other Party.*
- 30.2 *Each Party warrants that he is acting as a principal and not as an agent of an undisclosed principal.*

31. INDULGENCES

- 31.2 *No extension of time, latitude or other indulgences which may be given or allowed by either Party to the other shall constitute a waiver or alteration of this Contract, or affect such Party's rights, or prevent such Party from strictly enforcing due compliance with each and every provision of this Contract.*

32. OWNERSHIP AND PUBLICATION OF DOCUMENTS

- 32.1 *The Employer will become the owner of the information, documents, advice, recommendations and reports collected, furnished and/or compiled by the Service Provider during the course of, and for the purposes of executing this Contract, all of which will be handed over to the Employer, unless otherwise stipulated in the Contract, within ten (10) days of request therefor, but in any event on the termination and/or cancellation of this Contract for whatever reason. The Service Provider relinquishes its retention or any other rights to which it may be entitled.*
- 32.2 *The copyright of all documents, recommendations and reports compiled by the Service Provider during the course of and for the purposes of finalising Services, and the Contract as a whole, will vest in the Employer, and may not be reproduced or distributed or made available to any person outside the Employer's service, or to any institution in any way, without the prior written consent of the Employer. The Employer shall have the right to use such material for any other purpose without the approval of, notification to or payment to the Service Provider.*
- 32.3 *The copyright of all electronic aids, software programmes etc. prepared or developed in terms of this Contract shall be vested in the Employer, who shall have the right to use such material for any other purpose without the approval of, information or payment to the Service Provider.*
- 32.4 *In case of the Service Provider providing documents or material to the Employer, the development of which has not been at the expense of the Employer, copyright shall not be vested in the Employer. The Service Provider shall be required to indicate to which documents and/or materials this provision applies.*

- 32.5 *The Service Provider hereby indemnifies the Employer against any action or claim that may be instituted against the Employer and for any damages suffered or legal costs (including costs on an attorney and client scale) incurred on the grounds of an alleged infringement of any copyright or any other intellectual property right in connection with the work outlined in this Contract.*
- 32.6 *All information, documents, recommendations, programmes and reports collected or compiled must be regarded as confidential and may not be communicated or made available to any person outside the Employer's service and may not be published either during the currency of this Contract or after termination thereof without the prior written consent of the Employer.*

33. BREACH OF CONTRACT

- 33.1 *In the event of a breach by the Service Provider of any of the terms and conditions of this Contract, the Employer shall issue a notice of non-compliance requiring compliance within 10 (ten) days. In the event that the Service Provider fails to remedy such breach on expiry of the notice period, then the Employer shall without prejudice to any other rights that it may have, be entitled to exercise any or all of the following rights:*
- 33.1.1 *Enforce strict compliance with the terms and conditions of the Contract;*
- 33.1.2 *To terminate this Contract without prejudice to any other rights it may have;*
- 33.1.3 *To suspend further payments to the Service Provider;*
- 33.1.4 *To appoint other service providers to complete the execution of the Services, in which event the Service Provider shall be held liable for costs incurred in connection with and arising from the appointment of such a service provider as well as damages suffered.*
- 33.2 *The Service Provider agrees to, within ten (10) days of written request from the Employer, give access to and to make available all information, documents, programmes, advice, recommendations and reports collected, furnished and/or compiled by them to enable the Employer to assume responsibility for and the benefit of the project as a whole.*
- 33.3 *In the event of breach by the Employer of the terms and conditions of this Contract, and in the event of the Employer remaining in breach after ten (10) days' written notice calling for rectification of the breach, the Service Provider shall be entitled to:*
- 33.3.1 *enforce strict compliance with the terms and conditions of the Contract; or*
- 33.3.2 *terminate the Contract by delivering written notice to the Employer to that effect to the extent that such breach is of a material term of this Contract.*
34. STOPPAGE AND/OR TERMINATION OF CONTRACT
- 34.1 *The Employer reserves the right to terminate this Contract or temporarily stop the Services, or any part thereof, at any stage of completion.*
- 34.2 *The Employer shall have the right to terminate this Contract without prejudice to any of its rights upon the occurrence of any of the following acts:*
- 34.2.1 *on breach of this Contract by the Service Provider as stipulated in Clause 33;*
- 34.2.2 *on commencement of any action for the dissolution and/or liquidation of the Service Provider, except for purposes of an amalgamation or restructuring approved in advance by the Employer in writing;*
- 34.2.3 *if the Service Provider receives a court order to be placed under judicial management or to commence liquidation proceedings that is not withdrawn or struck out within five (5) days;*

- 34.2.4 *if the Service Provider informs the Employer that it intends to cease performing its obligations in terms of this Contract;*
- 34.2.5 *if the Service Provider informs the Employer that it is incapable of completing the Services as described; or*
- 34.2.6 *if in the opinion of the Employer the Service Provider acted dishonestly;*
- 34.3 *The Employer reserves the right to, even in the absence of breach or the events referred to in 34, terminate this Contract at any time, by giving one (1) calendar month written notice to the Service Provider.*
- 34.4 *Further, the Contract shall be considered as having been terminated:*
 - 34.4.1 *where the Employer stops the Contract and/or the Project and instructions to resume or reinstate the Services are not issued within twelve (12) months of the instruction; or*
 - 34.4.2 *if instructions, necessary for the Service Provider to continue with the Services after a stoppage instruction, are not received from the Employer within three (3) months after such instructions were requested by the Service Provider.*
- 34.5 *Should the Contract between the Employer and the Service Provider, or any part thereof, be terminated by either of the Parties due to reasons not attributed to the Service Provider:*
 - 34.5.1 *The Service Provider will be remunerated for the appropriate portion of the Services satisfactorily completed, calculated in accordance with the agreed rates.*
 - 34.5.2 *Invoices for work done shall be submitted to the Employer within three (3) months after the termination of the Contract, failing which the Employer will not be obliged to pay same.*
 - 34.5.3 *The Service Provider shall not be entitled to advance a right of retention or any similar right if this Contract is terminated and specifically agrees to, within ten (10) days of written request from the Employer, give access to and to make available all information, documents, programmes, advice, recommendations and reports collected, furnished and/or compiled by them to enable the Employer to assume responsibility for and the benefit of the Contract as a whole.*
- 35. **DISPUTE RESOLUTION**
 - 35.1 *In the event of a dispute, the Parties shall endeavour to resolve such dispute through negotiation, in good faith.*
 - 35.2 *If the Parties fail to resolve a dispute through negotiation as mentioned in 35.1, within 14 days of a dispute being declared, the Parties may by written agreement refer the matter to mediation.*
 - 35.3 *The mediator shall be a person agreed to by the Parties, failing agreement, the President: South African Facilities Management Institute shall nominate the mediator.*
 - 35.4 *Whether or not mediation resolves the dispute and irrespective of the outcome of thereof, the Parties shall bear their own costs arising from the mediation and shall equally share the costs of the mediator and related costs. The mediator and the Parties shall, before the commencement of the mediation, agree on a scale of fees on which the mediator's fees will be based.*
 - 35.5 *The Parties shall appoint the mediator within 21 days of agreeing to mediate.*

- 35.6 *On appointment of the mediator, the Parties shall jointly with the mediator decide on the procedure to be followed, representation, dates and venue for the mediation.*
- 35.7 *If the dispute or any part thereof is settled, the agreement shall be recorded by the mediator and signed by both Parties. The agreement shall be binding on the Parties to the extent that it correctly records the issues agreed upon between the Parties.*
- 35.8 *If the dispute or any part thereof remains unresolved, it may be resolved by litigation proceedings.*
- 35.9 *If the mediator or any Party, at any time during the mediation process, is of the opinion that the mediation will not resolve the dispute, then he may in writing stop the mediation process. The dispute may then be dealt with in terms of 35.8.*
- 35.10 *Notwithstanding anything else herein contained to the contrary, it is agreed that irrespective of the fact that the dispute is referred to negotiation, mediation or litigation in court, the decision of the Employer on the dispute involved will immediately be given effect to by the Service Provider and the Service Provider shall proceed with the Services with all diligence unless the Parties agree otherwise in writing.*
- 36. GENERAL**
- 36.1 *This is the entire Contract between the Parties and may only be amended if reduced to writing and signed by the duly authorised representatives of both Parties, whereafter such amendments will take effect.*
- 36.2 *The Contract shall be governed by, construed and interpreted according to the law of the Republic of South Africa.*
- 37. DOMICILIUM CITANDI ET EXECUTANDI**
- 37.1 *The domicilium citandi et executandi of the Parties for all purposes arising from this Contract for the service of notices and legal process shall be as specified by the Parties in the Contract Data.*
- 37.2 *Each of the Parties shall be entitled at any time by way of written notice to the other Party, to change its domicilium citandi et executandi to another physical address.*
- 37.3 *Any notice in terms of the conditions of the Agreement must either be:*
- 37.3.1 *delivered by hand during normal business hours of the recipient; or*
- 37.3.2 *sent by prepaid registered post to the address chosen by the addressee.*
- 37.4 *A notice in terms of the provisions of this Agreement shall be considered to be duly received:*
- 37.4.1 *if hand-delivered on the date of delivery;*
- 37.4.2 *if sent by registered post as indicated in clause 37.3.2 above, ten (10) days after the date it was posted, unless the contrary is proved.*
- 37.5 *Notwithstanding anything to the contrary contained or implied in this Agreement, the written notice or communication actually received by one of the Parties from the other, including by way of facsimile transmission, shall be adequate written notice or communication to such Party.*
- 37.6 *Any notice, request, consent, or other communication made between the Parties pursuant to the Contract shall be in writing and shall be deemed to have been made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or one day after being sent by facsimile to such Party at the number specified in the Contract Data or one week after being sent by registered post to the addressee specified in the Contract Data.*

TERMS OF REFERENCE/ SPECIFICATIONS

Bid no: GQET-25/26-015

Bid/ Project Description: QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS]



public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

Private Bag X3913, North End, Port Elizabeth, 6056 , Eben Donges Building, Hancock Street, Port Elizabeth

TENDER DOCUMENT

INVITATION TO TENDER FOR:

ELECTRICAL ENGINEERING SERVICES

FOR THE PROJECT

QUEENSTOWN AND SURROUNDING AREAS: TERM CONTRACT: ELECTRICAL REPAIRS.

REFERENCE NO: TERMS OF REFERENCE

TENDER NO:

Name of tenderer:

ISSUED BY:
THE DIRECTOR-GENERAL

DEPARTMENT OF PUBLIC WORKS

**DEPARTMENT OF PUBLIC WORKS
QUEENSTOWN & SURROUNDING AREA
PREVENTATIVE MAINTENANCE, SERVICING & REPAIRS
OF
ELECTRICAL INSTALLATION
IN
STATE BUILDINGS**

**PART C 2.1
PROJECT PARTICULARS**

CONTENTS

Part Ref	Description	Pages
<u>Subsection 1 : General Information</u>		
	Documentation	
	Site Information	
	Standard Specifications	
<u>Subsection 2 : Engineering Maintenance Works</u>		
1. General Items		
1.1	Conditions of Contract	
1.2	Facilities	
1.3	Safety	
1.4	Engineering Works	
1.5	Contractor's Drawings and Equipment Specifications	
1.6	Hazardous Material Removal	
2. Electrical Installation - Building		
2.1	Scope Summary	
2.2	Distribution Boards	
2.3	Luminaires	
2.4	Light Switches	
2.5	Photocells	
2.6	Power Outlets & Fixed Appliances	
2.7	Earthing, Bonding & Lightning Protection	
3. Electrical Installation – External Lighting		
3.1	Exterior Lighting System	
3.2	Area Lighting	
3.3	Security Lighting	
3.4	Sports Field Lighting	
3.5	Street Lighting	
4. Testing, Commissioning & Maintenance		
4.1	Tests & Inspections	
4.2	Operating & Maintenance Documents	

**DEPARTMENT OF PUBLIC WORKS
QUEENSTOWN & SURROUNDING AREA
PREVENTATIVE MAINTENANCE, SERVICING & REPAIRS
OF
ELECTRICAL INSTALLATION
IN
STATE BUILDINGS**

**PART C 2.1
PROJECT PARTICULARS**

CONTENTS(cont.)

Part Ref	Description	Pages
---------------------	--------------------	--------------

Subsection 2 : Engineering Maintenance Works (cont.)

5. Dayworks, Provisional Sums and Contingencies

- 5.1 Dayworks
- 5.2 Provisional Sums

SUBSECTION 1: GENERAL INFORMATION

DOCUMENTATION

The Department of Public Works proposes to maintain for a period of 36 months the existing Electrical Installation at various state premises in the Queenstown area. The complete scope of the Engineering Works is described in the documents listed on the contents page of this volume.

This Part (C2) contains the Engineering specifications and schedules of quantities for the Engineering Works which shall be read in conjunction with the balance of the Contract documentation including the Conditions of Contract.

The several parts forming this Part C2 function in the following manner.

Part C2.1 : Project or Supplementary Specification : Subsection one : Describes the scope of the installations and particular requirements for the construction of the Engineering Works and must be read in conjunction with the standard Specifications and the Schedule of Quantities. Subsection 1 provides certain supporting information related to the project.

Subsection 2 & 3 describes the Scope of the Works by means of particular specifications for measured work.

The specification reference corresponds with the Schedule of Quantities reference (refer to the Preamble to the schedules Part C2.4).

References to the general and technical clauses of Part 2 and 3 or other documents are shown in brackets thus {...}. Such references shall, however, not be construed as being exclusive or comprehensive and it remains the Contractor's responsibility to make reference to such other specifications, standard or statute as relevant and necessary.

Part C2.2 : OHS Requirements : Includes the relevant portions of Departmental Standard Specifications. The Contractor shall be responsible for referencing the correct & complete standard specifications, notwithstanding any references in the text of this document or specific clauses included in this part of the document.

Part C2.3 : Quality Requirements : Includes reference to the relevant portions of the Departmental Standard technical specifications quality requirements. The Contractor shall be responsible for referencing the correct & complete standard specifications, notwithstanding any references in the text of this document or specific clauses included in this part of the document.

Part C2.4 : Schedules of Quantities (Pricing data) : Quantifies the Scope of the Works.

Part C2.5 : Site information & Proforma maintenance record & reporting documents

SITE INFORMATION

General

The sites of the proposed Engineering works for this project are located at the premises listed in Part C2.5. The facilities are occupied by various Client Departments.

The Contractor shall assess each site to determine relevant data.

Environmental Conditions

Environmental statistics for Queenstown and surrounding area may be obtained from the SA Weather Office.

Electricity Supply

The permanent supply parameters are: 400/230V 50Hz.

Supplier: The relevant local Municipality or Eskom.

Electricity for the Works: Refer to **Facilities**.

Water supply

The water supply to the property is generally provided by the local Municipality.

Existing Facilities

The schedule of existing facilities is presented in Part C2.5

STANDARD SPECIFICATIONS

The specifications make reference to certain national and international standard specifications as well as the standard specifications published by the Department of Public Works. Such specifications are not issued with this document but may be obtained from the relevant source. Source details for DPW documents are stated in the preambles to Part C2.2 page 2/contents & Part C2.3 page 3/contents.

The Contractor shall be entirely responsible for referencing all relevant standard specifications of the DPW, SANS or other applicable published standard whether such standard is referenced in this document or not and ensuring compliance of the Engineering Works therewith. The references in this document to standard specifications shall not be construed as limiting, and are given merely as a guide for basic reference. Where SABS is stated, the applicable SANS shall apply.

SUBSECTION 2: ENGINEERING MAINTENANCE WORKS

1. GENERAL ITEMS

1.1 CONDITIONS OF CONTRACT

1.1.1 Scope

The Contractor shall comply with the obligations and requirements of the Agreement and Contract Data (DPW 05EC) documents contained in Part C1 including the General Conditions of Contract 2004 (GCC 2004).

The Contractor shall allow for all the responsibilities and obligations in terms of the Conditions of Contract and Contract Data, including;

- Risks, costs and obligations in terms of the General Conditions of Contract, the Contract Data and of the standardised specifications, except where provision is made in the Project Specifications to cover compensation for any of these items.
- Head office and site overheads and supervision.
- Profit and financing costs.
- Sureties, employment related expenses, statutory expenses.
- Indemnities & Insurances: Particular reference shall be made to clauses 33 and 35 of the Contract Data (DPW-05EC). The Contractor will only be permitted to perform work on the site if a valid insurance policy document and proof of cover or premium payment have been submitted and approved.
- The Contractor shall maintain current registration and have paid the necessary fees to the Compensation Commissioner in compliance with the Compensation for Occupational Injuries and Diseases Act, 1993 (COID). The Contractor will only be permitted to perform work on any site if a valid Letter of Good Standing issued by the Compensation Commissioner has been submitted and approved.
- A detailed program for the execution of the maintenance at all installations for the whole of the Contract period, listing each facility, its location and fixed dates of maintenance. The Contractor will be required to comply with the program at all times.
- Expenses of a general preliminary and general nature not specifically related to any item or items of permanent or temporary work.

1.1.2 Measurement

Fixed or time or value related sums for the stated items.

(a) Fixed

A sum that is not subject to adjustment as defined in the GCC 2004 clause 46.1.

(b) Time Related

A sum that is proportionately adjustable in accordance with the Time for Completion and any extension of the Time for Completion.

(c) Value Related

A sum that is proportionately adjustable in accordance with the value of the Contract excluding the total of all amounts included under clause 1.1 of Sub-Section 2 (Preliminary & General Items).

1.1.3 Payment

a) Fixed : interim payment as evaluated by the Engineer

- b) Time related : In proportion to the elapsed time of the Contract period.
c) Value related : In proportion to the value certified for payment.

1.2. FACILITIES

The following facilities shall be provided by the Contractor for the duration of the Contract.

1.2.1 Administrative Facilities, Equipment and Materials

The following administrative facilities shall be provided.

1.2.1.1 Site Instruction Book

A4 carbon paper multiple copy book to be obtained from the DPW Project Manager to whom the book shall be returned on completion. The Contractor shall supply carbon paper.

1.2.1.2 Communications Facilities

Telephone (landline), fax (landline) & email services shall be provided at the Contractor's offices. Such facilities shall be reliable since instructions, drawings and documents will be issued electronically to the Contractor.

1.2.1.3 Electricity & Water for the Works

The employer will allow the use of water and electricity for construction free of charge. The Contractor shall provide suitable temporary facilities such as electricity extension cables, water hoses & water containers as necessary while work is being performed.

1.2.1.4 Measurement

Administrative facilities, etc : Time related sum

1.2.2 Display Boards

1.2.2.1 Scope

Display signs shall be erected at each facility fixed as close as possible to the front entrance (position to be agreed with Engineer before erection). The display boards shall be to standard DPW specification, 3000mm x 3000mm size and contain the following information in an approved legible format. The panel shall be weatherproof and printed by a sign writer as approved.

- Contract number
- Employer's name
- Name of project
- Name of Consulting Engineer
- The Electrical Installation is being maintained by Contractor's name, telephone number.
- Contract Period
- Fault reporting telephone number

On completion of the Contract the sign shall be removed.

1.2.2.2 Measurement

Display boards : Number of boards installed.

1.3 SAFETY

{Normative Reference Part C2.2 : Occupational Health & safety}

1.3.1 Scope

The Contractor shall comply with the requirements of the Health & Safety Specification referenced above. The Engineer has been appointed the Agent of the Employer.

The Contractor shall refer to the Site information sub-section 1 and the specifications describing the scope of the Engineering Works, for information about the type of environment in which the work is to be executed. Notwithstanding anything stated in this document the Contractor shall be responsible for determining the safety

requirements of each site.

The premises in which the maintenance will be undertaken will be occupied by staff during the Contract period. Working areas shall therefore be demarcated by means of suitable signs and warning tape which shall be removed on completion of work.

Work in building interiors with gas torches or welding machines (where applicable) shall be executed with care and temporary protection for any adjacent timber, ceiling, tile roof or other flammable material shall be employed. A dry powder fire extinguisher shall be provided by the Contractor in the immediate vicinity of any work involving flame or electric arc.

1.3.2 Health & Safety Plan

A comprehensive H&S Plan shall be prepared and submitted for approval. A copy shall be available in the Contractor's vehicle when attending any site to perform maintenance work. Removal & disposal of fluorescent tubes risk analysis & safe work procedures shall be included as necessary.

1.3.3 Safety Officer :

An employee trained as required by the OHS Act shall be appointed for the duration of the Contract period. The item shall allow for the costs of such officer during the period in which the safety officer's functions are performed.

1.3.4 First Aid Kit

A comprehensive first aid kit shall be readily available in the Contractor's vehicle when attending any site to perform maintenance work.

1.3.5 Safety Meetings

Such meetings shall be at monthly intervals. The safety officer shall chair the meeting and keep written records of the proceedings. A copy of the records of each meeting shall be submitted to the Engineer. The Engineer or representative may attend the meetings for which written notice shall be issued.

1.3.6 Balance of Safety Related Items

The Contractor shall provide for the balance of safety related items such as temporary marking, barriers, protective equipment and clothing, working with care, etc.

1.3.7 Measurement

Fixed or time related sums by item stated.

1.3.8 Payment

In proportion to elapsed time of the Contract period.

1.4. ENGINEERING WORKS

1.4.1 Scope

The Scope of the Works described in this document shall include the complete servicing and maintenance of existing Electrical installation and guaranteeing free of defects for the full maintenance period of the complete installations specified comprising the following principal entities which are described under each section of the Project Specification, Part C2.1.

Facilities listed in Part C2.5 form the Scope of the Engineering Works;

1.4.2 Purpose of the Proposed Engineering Works

The purpose of the maintenance project is to ensure that the Electrical installation is fully functional & compliant to OHS and the applicable wiring code in the Republic of South Africa, SANS10142, latest amendment.

1.4.3 Supervision and Management

The Contractor shall supervise and manage the scope of work and provide everything necessary for the complete maintenance of the installation whether described in precise detail or not. Such supervision and management shall include periodic inspection of the site to check that the installation work complies with the specifications and instructions, attendance at site meetings and inspections as necessary or required.

This item shall include allowances for construction tools specific to the installation and all relevant provisions. Arrangements shall be made with the occupants of buildings regarding access to the premises in order to execute the required services

All electrical work shall be performed by registered or licensed staff of the Contractor, as required by legal statute. Copies of registration or licence documents shall be submitted at the beginning of this Project. Electrical testers for single phase do not comply with this requirement. A registered electrician and suitably skilled personnel shall be available to carry out any emergency repair work on a 24 hours basis including week-ends and public holidays.

The Contractor shall provide at his own cost a supply of Job Cards in accordance with the example included herein. The Job Card must be completed legibly in ink after completion of each service. In addition to the original completed Job Card submitted with the account, the Contractor must submit a copy of the Job Card to the User Department for audit purposes.

1.4.4 Measurement

Time related sum.

1.4.5 Accommodation of Tenants (Client) Departments

It is possible that staff of the tenant (Client) Department's may be present on the site during the maintenance period. Such presence shall be respected without interference. Where it is necessary to isolate any electrical services, specific arrangements shall be made with the Client Department & confirmed in writing to the Engineer.

1.4.6 Measurement

Time related sum.

1.4.7 Access Control & Identity of Staff

The User Departments maintain various levels of Access Control systems at the entrances to the sites. It may not always be possible to gain entry to such areas upon arrival and delays can occur. In certain areas Contractor's may require escorting by User Department staff. The Contractor shall comply with the requirements and instructions of such staff at all times. The Contractor shall bear the sole responsibility for arranging access to the sites as necessary.

The Contractor shall maintain a daily schedule of employees at each site including time of entry to the site and any specific facility. Each employee shall display a company identity card with name, company and photograph. Working garments (not orange in colour) shall identify the Contractor.

Should the work fall within a security area, the Contractor must obtain, either from the SA National Defence Force (SANDF) or SA Police Services (SAPS), access cards for his personnel and employees who work within such an area. The Contractor must comply with any regulations or instructions issued from time to time, concerning the safety of persons and property by the SANDF or SAPS.

The Department or the Chief of the SANDF or the Commissioner of the SAPS may require the Contractor to have his personnel or a certain number of them security classified. In the event of either the Department, the Chief of the SANDF or the Commissioner of the SAPS requesting the removal of a person or persons from the site for security reasons, the Contractor shall do so forthwith and the Contractor shall thereafter ensure that such person or persons are denied access to the site and/or to any documents or information relating to the work.

1.4.8 Measurement

Time related sum.

1.4.9 Rubbish and Waste Management

All rubbish and waste arising from the work must be removed and the site and buildings left clean and tidy including items such as fluorescent tubes, these shall be disposed of in an environmentally safe manner.

1.4.10 Measurement

Time related sum.

1.5 CONTRACTOR'S DRAWINGS & EQUIPMENT SPECIFICATIONS

1.5.1 Scope

Such drawings and/or documents for new and replacement equipment or components where required or necessary shall be submitted for record purposes. Documents for electrical equipment shall include full wiring diagrams and component schedules which are suitable for incorporation into the O&M Manuals and as-built drawings.

1.5.2 Particulars of Equipment & Materials

All equipment new & replacement shall be selected with due regard to the installation site conditions.

Equipment shall at all times be selected to operate within the limits recommended by the particular manufacturer.

Where equipment will be required to operate at conditions deviating from the manufacturer's standard selection tables, de-rating shall be performed strictly in accordance with the manufacturer's methods.

Product references, where given in this document, shall be taken merely as a guide to product selection, notwithstanding which, all equipment and materials shall comply fully with the specifications.

1.5.3 Material of Equal Quality

Replacement parts, spares and materials used shall be of equal specification to the component that is being replaced and must where possible carry the SANS mark of approval, but can be of a different size if specifically required by the Department. If such equivalent component is not available, then the alternative component must be approved by the Engineer prior to installation.

A representative of the "user" department must sign for spares that have been used in the execution of services and details entered on the Job Cards.

The serial numbers of original and new components shall be entered on job cards and invoices presented for payment. The guarantee cards for items must also be attached to job cards.

1.6 HAZARDOUS MATERIAL REMOVAL

1.6.1 Normative Reference

Occupational Health & Safety Act 1993 (85 of 1993)

1.6.2 Scope : Fluorescent tubes

Most luminaires in the various facilities are fitted with fluorescent tubes to provide the required lighting. Where these need to be replaced, great care shall be taken when removing them.

Risk analysis & safe work procedures relating to all fluorescent tube work shall be included in the Health & Safety Plan as elsewhere measured.

Fluorescent tubes contain phosphor and mercury toxins and are extremely hazardous to personal health and shall therefore be handled in terms of the EPA & other relevant Regulations.

All handling of fluorescent tubes shall be executed by an authorised person/s complying with the requirements of the Regulations. The certificate of the said authorised person/s shall be submitted to the Engineer. The certificate shall remain valid for the entire period during which the said person/s is/are performing work on hazardous material. Allowance shall be made for everything necessary including but not limited to safety containers, protective clothing, signs, tools & complete decontamination upon the removal of samples or bulk tubes.

A disposal certificate shall be submitted on completion of all removals. The waste from individual facilities shall be safely stored until such time as the removal of fluorescent tube material from each facility has been completed such that one bulk disposal can be made per facility.

1.6.3 Measurement

Transport is elsewhere measured which shall be excluded from the following items.

1.6.4 Removal : number of fluorescent tubes removed.

1.6.5 Disposal : Number of fluorescent tubes actually disposed of. The number shall be recorded by the Contractor & submitted for measurement and payment. The provision of a disposal certificate shall be included.

2. ELECTRICAL INSTALLATION – BUILDING INSTALLATION

2.1 SCOPE SUMMARY - MAINTENANCE, SERVICE & REPAIR

This tender involves the servicing of Electrical installation situated in military and police bases, magistrates courts, state buildings and structures falling under the control of the Department or other departments hereafter referred to as “user” departments.

It is a specific condition of this Contract that all new work or additions of any nature whatsoever are excluded. Where it is necessary to replace any plant or equipment, the Department reserves the right to ask for quotations and to accept the lowest such quotation.

Where necessary, replacements may be done with modern equivalents if the original equipment is no longer supported, that is, in cases where the particular item fails. Changes in order to bring the existing installation in line with the new wiring code SANS10142 with latest amendments will be included in this Contract with the approval of the Engineer.

The Employer retains the right to instruct the Contractor through the Engineer to carry out additional or upgrading work. Where necessary, the Contractor will be allowed to make use of Specialist Subcontractors to assist with add on and/or upgrading work. Approval for this must be obtained in writing in advance.

Portable appliances & equipment such as UPSs, kettles, fans, urns, heaters et cetera do not form part of this Contract, unless instructions to the contrary have been issued by the Employer’s representative in writing.

The Contractor shall supply all expandable material such as oil, grease and cleaning material necessary for the proper execution of maintenance, servicing and repair work.

At premises where computers, delicate tests, machines and passenger lifts are in operation, the services cannot be done during normal working hours and arrangement must be made for performing the services on Saturdays or after hours, which shall form part of the Contract at no extra cost.

During site visit to a particular facility, the Contractor shall check the installation for compliance and shall draw up an Asset Register for fixed items and produce as-built drawings. All irregularities and comments must be reported by the Contractor to the Engineer.

The work shall be carried out by a competent technician/electrician all in accordance with the Basic Conditions of Employment Act no 75 of 1997.

All work carried out and all equipment and material supplied in terms of this procedure shall comply with the original equipment manufacturer’s specifications and operation and maintenance instructions. The Contractor shall be responsible for obtaining such documents, however, copies of the existing operating & maintenance manuals may be obtained from the DPW. The existence or suitability of such DPW documents is not warranted.

2.2 DISTRIBUTION BOARDS

2.2.1 Scope

- Service distribution boards: inspect and clean the distribution boards treat the enclosure for moisture ingress and corrosion.
- Check for rigidity and fastening of equipment trays, panels, doors and handling devices.
- Check locking mechanism and fit padlock. All padlocks shall be of local manufacture with brass bodies and 75 mm chrome shackles. Three keys (with pvc labels) shall be provided for each lock.

- Replace damaged or missing faceplates, doors, mounting frames, handles, thumb catches, etc.
- Check operation of distribution board equipment and meters, replace if faulty or damaged with an approved type.
- Remove all obsolete equipment and meters.
- Check and fasten wiring and cable terminations.
- Re-arrange wiring and equipment to give a neat installation.
- Trace outgoing circuits.
- Fit labelling and blank face plate covers.
- Replace the distribution boards if required and replacement is approved by Engineer.
- Check earth bar and earth continuity, record.
- Label all wiring and cabling with Grafoplast Trasp PVC markers.

2.2.2 Measurement

2.2.2.1 Service Distribution Board

The unit of measurement shall be the number of distribution kiosks or boards opened and serviced.

The tendered rate shall include full compensation for the opening of the distribution board or kiosk, internal cleaning of the enclosure, cleaning of equipment and meters, removal of obsolete distribution board equipment, re-arrangement of equipment and wiring, treatment of the enclosure for moisture ingress and corrosion, vermin protection, fastening and / or replacement of wiring, tracing of outgoing circuits, labelling of outgoing wiring and mcb's and cable terminations and earth testing.

The tendered sum shall further include for replacement of damaged, missing or faulty distribution board switchgear, meters, neutral/earth bars, face plates, mounting frames, handling devices, doors, labelling etc.

2.2.2.2 Replace Distribution Board

The unit of measurement shall be the number of distribution boards removed and replaced if replacement is approved by Engineer.

The tendered rate shall include full compensation for the manufacture, Supply of items for repair or for the dismantling of the DB equipment, removal of the dilapidated enclosure, Supply of an epoxy painted new enclosure, mounting frames, plates, equipment, meters, tracing of outgoing circuits, labelling etc.

The tendered sum shall further include for re-wiring of the board, cable termination, cable labelling, remedial builders work and earth testing.

The tendered sum shall include full compensation for the provision of three paper print drawings of all equipment to be manufactured shall be submitted to the Engineer for approval. These drawings shall indicate all equipment, distribution systems, instrumentation positions and access requirements embodying all modifications made during construction, and further system diagrams indicating the intended functioning, capacity data and control functioning of all systems. The Contractor shall review, stamp, date and sign to signify his approval and submit in the manner required by the Engineer and with reasonable promptness and in orderly sequence so as to cause no delay in the work, Corrections required by the Engineer and shall re-submit the required number of corrected copies.

2.2.2.3 Supply & installation of equipment in distribution board including switchgear, timers, surge arrestors, padlocks etc

The unit of measurement shall be the number of items supplied and installed.

The tendered rate shall include full compensation for the Supply of the specified item, including printed pvc labelling.

2.3 LUMINAIRES

2.3.1 Scope

- Service luminaires: remove lens and lamp. Wash lens thoroughly.
- Wash luminaire body with detergent.
- Clean polished pure aluminium reflectors with benzine.
- Check condition of internal wiring, capacitor, ballasts and starters.
- Check condition of neoprene seal and replace if worn or damaged.
- Check condition of lamp holder.
- Seal conduit and wiring entry with silicone to eliminate water ingress.
- Fit new lamp.
- Check condition of earth stud and luminaire earth connection.
- Replace all missing screws, lens catches, bolts.
- Close cover securely, check stirrup bolts.
- Replace luminaires: Remove existing damaged luminaires, supply and install similar and approved luminaires complete with lamps and electronic control gear, if applicable.

2.3.2 Measurement

2.3.2.1 Re-lamp luminaire – unit of measurement shall be the number of lamps re-lamped.

2.3.2.2 Service luminaire – unit of measurement shall be number of luminaires opened & service

2.3.2.3 Replace luminaire – unit of measurement shall be the number of lamps replaced.

2.4 LIGHT SWITCHES

2.4.1 Scope

- Remove switch cover.
- Check continuity of earth connection.
- Check operation of switch and replace if suspect.
- Replace switch cover, fit new csk stainless steel screws if required.
- Switch cover shall be fitted with an engraved Traffolite label as per Nosa-standard

2.4.2 Measurement

2.4.2.1 Service light switch – The unit of measurement shall be the number of light switches opened and serviced.

2.4.2.2 Replace switch cover – The unit of measurement shall be the number of light switch covers replaced.

2.5 PHOTOCELLS

2.5.1 Scope

- Wash translucent body with detergent.
- Cover photocell and verify operation.
- Check bypass manual switching circuit.
- Enclose all exposed wiring in 16 mm Ø sprague.

2.5.2 Measurement

2.5.2.1 Service photocell – The unit of measurement shall be the number of photocell units serviced.

2.5.2.2 Replace photocell – The unit of measurement shall be the number of photocell units replaced.

2.6 POWER OUTLETS AND FIXED APPLIANCES

2.6.1 Scope

- Inspect all power outlets and verify earthing.
- Check contact points and tighten screws.
- Replace missing screws and covers for outlet and draw boxes.
- Replace missing, faulty or damaged socket outlets and plugs.
- Check conditions and operation of local isolators and control switches for fixed equipment and replace if faulty, damaged or missing.
- Check earthing of fixed appliances and test for earth continuity.
- Inspect cable and wireways.

- Check for rigidity and fastening of the cable ducts, ladders, ducting, powerskirting and surface conduiting, fasten or replace if loose or damaged, check earthing and test for earth continuity.

2.6.2 Measurement

2.6.2.1 Service power outlet – The unit of measurement shall be the number of power outlets opened and serviced.

2.6.2.2 Replace power outlet – The unit of measurement shall be the number of power outlets replaced.

2.6.2.3 Replace wiring channel – The unit of measurement shall be the number of linear meter of wiring channel replaced.

2.7 EARTHING, BONDING AND LIGHTNING PROTECTION

2.7.1 Scope

- Check earthing and bonding of outlet points, equipment, cable and wireways, fixed appliances, water and gas pipes, etc.
- Check installation and termination of protective conductors and earth electrodes.
- Test for earth continuity.
- **Provide 6 mm² copper earth wire jumper between roof cladding and all gutter downpipes. Fasten with lugs and galvanized zinc bolts. Typically ten downpipes per housing unit. Earth at least two gutter downpipes by means of 16mm² green insulated earth wire connected to 1.2m earth electrode by means of cadwelding. Typically two downpipes per 25m long housing unit.**

2.7.2 Measurement

2.7.2.1 Testing of the earth installation by a Specialist Contractor – The tendered lump sum shall include full compensation for the testing of the earth installation by a specialist contractor approved by the Engineer.

2.7.2.2 Supply & installation of earth electrodes – The unit of measurement shall be the number of earth electrodes supplied and installed. The tendered sum shall include full compensation for the Supply of the specified type and size of earth electrodes including termination by means of approved clamps.

2.7.2.3 Provide cadweld joint - The unit of measurement shall be the number of cadweld joints provided. The tendered sum shall include full compensation for the supply and installation of the specified type and size of cadweld pyro joints.

2.7.2.4 Earth building rood structure – The unit of measurement shall be the number of roof structures earthed. The tendered sum shall include full compensation for the Supply of the specified type and size of earthwire and the termination there-of onto a 1,2 m Cu earth electrode driven into the soil 1,8 m deep.

3. ELECTRICAL INSTALLATION – EXTERIOR LIGHTING SYSTEMS

3.1 EXTERIOR LIGHTING SYSTEM - Mounting height ranging from 2.5m up to 20m, including galvanised steel poles, wooden poles, concrete poles and fibreglass poles.

3.2 AREA LIGHTING

3.2.1 Scope

- Service mast distribution boards and supply kiosks: Clean, label, check terminations and earthing. Service each luminaire, open control gear enclosures and treat for moisture ingress and corrosion. Wash luminaires with detergent and clean lenses. Check and replace neoprene seals.
- Re-lamp luminaires. Replace luminaires: Remove existing damaged luminaires, supply and install similar and approved luminaires complete with lamps and control gear, if applicable.
- Check consistency of aiming angles and tighten mounting bracket bolts
- Check pole covers; measure earthing continuity and tighten foundation bolts. Replace all padlocks on distribution boards and kiosks.

3.2.2 Measurement

3.2.2.1 Re-lamp luminaire

The unit of measurement shall be the number of floodlight lamps replaced.

The tendered rate shall include full compensation for the Supply of the lamp according to the manufacturer's instructions.

3.2.2.2 Service floodlight luminaire

The unit of measurement shall be the number of floodlight luminaires opened and serviced.

The tendered rate shall include full compensation for the servicing of the luminaire, including washing, corrosion protection, checking of seals and glands, cleaning of the lenses, tightening of stirrup bracket bolts and the checking of earthing continuity and aiming angle.

3.2.2.3 Service light distribution kiosk or DB

The unit of measurement shall be the number of distribution boards or kiosks serviced.

The tendered rate shall include full compensation for the cleaning and opening of kiosk or DB, vermin protection, checking of MCB's, checking and tightening of wire terminations, fitting of labels and blank covers, etc.

3.2.2.4 Supply and install padlocks

The unit of measurement shall be the number of 65mm padlocks installed.

The tendered rate shall include full compensation for the ordering, supply, engraving and installation of the padlocks, locking devices and seals.

3.2.2.5 Service area light pole

The unit of measurement shall be number of area light poles opened and serviced.

The tendered rate shall include full compensation for the opening of pole cover, visual inspections, and straightening of pole.

3.2.2.6 Replace floodlight luminaire

The unit of measurement shall be number of floodlight luminaires replaced.

The tendered rate shall include full compensation for the Supply of the specified floodlight luminaire complete with lamp and control gear according to manufacturer's instructions.

3.3 SECURITY LIGHTING

3.3.1 Scope

- Open distribution kiosk, check locks, clean inside, provide termite and rodent poison.
- Open each pole cover and inspect fuse or circuit breaker, tray and shield plate as well as earthing connection. Check and replace cover seal if required. Wash luminaire and lens, replace neoprene seal and re-lamp luminaires.
- Replace luminaires: Remove existing damaged luminaires, supply and install similar and approved luminaires complete with lamps and control gear, if applicable.
- Check aiming angle and adjust if necessary.

3.3.2 Measurement

3.3.2.1 Service security light pole

The unit of measurement shall be the number of security light poles opened and serviced.

The tendered rate shall include full compensation for the opening of pole cover, visual inspections, straightening of poles, servicing of luminaires as specified.

3.3.2.2 Re-lamp luminaire

The unit of measurement shall be the number of security floodlight lamps replaced.

The tendered rate shall include full compensation for the Supply of the lamp according to the manufacturer's instructions.

3.3.2.3 Service distribution kiosk

The unit of measurement shall be the number of distribution kiosks or boards opened and serviced.

The tendered rate shall include full compensation for the opening of kiosk or distribution board, vermin protection, cleaning of circuit breakers, earth testing, etc.

3.3.2.4 Replace security floodlight luminaires

The unit of measurement shall be the number of security floodlight luminaires replaced.

The tendered rate shall include full compensation for the Supply of the luminaire complete with the lamp and control gear according to the manufacturer's instructions.

3.4 SPORTS FIELD LIGHTING

3.4.1 Scope

- Open upstream distribution board. Check and fasten cable terminations, fit labelling and blank face-plate covers. Check locking mechanism and fit padlock.
- Open distribution kiosk. Clean inside and add termite and rodent poison. Fit circuit labelling. Check locking mechanism and fit padlock.
- Open each mast distribution board and inspect. Check earth bar and earth continuity. Check and fasten cable terminations, fit labelling and blank face-plate covers. Check locking mechanism and fit padlock. Check mast foundation bolts and earth connection to electrode.
- Service luminaires by washing with detergent and re-lamping where necessary. Clean lenses. Check condition of seals and glands and test for earth continuity.
- Replace luminaires: Remove existing damaged luminaires, supply and install similar and approved luminaires complete with lamps and control gear, if applicable.

3.4.2 Measurement

3.4.2.1 Service sports field light mast

The unit of measurement shall be the number of sports field light mast inspected and serviced.

The tendered rate shall include full compensation for the opening of pole cover, visual inspections and including servicing of sports field luminaires as specified.

3.2.4.2 Re-lamp luminaire

The unit of measurement shall be the number of sports field floodlight lamps replaced.

The tendered rate shall include full compensation for the Supply of the lamp according to the manufacturer's instructions.

3.2.4.3 Service distribution kiosk or distribution board

The unit of measurement shall be the number of distribution kiosks or boards opened and serviced.

The tendered rate shall include full compensation for the opening of kiosk, vermin protection, cleaning of circuit breakers, earth testing, etc.

3.2.4.4 Service sports field light pole

The unit of measurement shall be the number of light poles opened and serviced.

The tendered rate shall include full compensation for the opening of pole covers, visual inspections and servicing of luminaires as specified.

3.4.4.5 Replace luminaire

The unit of measurement shall be the number of sports field floodlight luminaires replaced.

The tendered rate shall include full compensation for the Supply of the specified luminaire complete with the lamp and control gear according to the manufacturer's instructions.

3.5 STREET LIGHTING

3.5.1 Scope

- Open distribution kiosk, check locks, clean inside, provide termite and rodent poison.
- Open each mast cover and inspect fuse or circuit breaker, tray and shield plate as well as earthing connection. Check and replace cover seal if required. Wash luminaire, replace neoprene seal, clean lens and re-lamp luminaires if required. Replace luminaires: Remove

existing damaged luminaires, supply and install similar and approved luminaires complete with lamps and control gear, if applicable. Assess aiming angle and adjust if necessary.

3.5.2 Measurement

3.5.2.1 Service streetlight pole

The unit of measurement shall be the number of light poles opened and serviced.

The tendered rate shall include full compensation for the opening of pole cover, visual inspections, straightening of pole, servicing of street light luminaire as specified.

3.5.2.2 Re-lamp luminaire

The unit of measurement shall be the number of street light lamps replaced.

The tendered rate shall include full compensation for the Supply of the lamp according to the manufacturer's instructions.

3.5.2.3 Service street light distribution kiosk

The unit of measurement shall be the number of distribution kiosks or boards opened and serviced.

The tendered rate shall include full compensation for the opening of kiosk, vermin protection, cleaning of circuit breakers, earth testing, etc.

3.5.2.4 Replace streetlight luminaire

The unit of measurement shall be the number of streetlight luminaires replaced.

The tendered rate shall include full compensation for the Supply of the luminaire complete with the lamp and control gear as per manufacturer's instructions.

4. TESTING, COMMISSIONING & MAINTENANCE

4.1 TESTS & INSPECTIONS

4.1.1 Scope

All systems are to be re-checked by the Contractor prior to re-commissioning. Copies of all checks for each installation shall be presented to the Engineer for approval before re-commissioning takes place.

It is the responsibility of the Contractor to provide all labour, accessories and properly calibrated and certified measuring instruments necessary to record the following parameters (but not limited to):

- continuity of ring final circuit conductors
- continuity of protective conductors, including main and supplementary equipotential bonding
- earth electrode resistance
- insulation resistance
- polarity
- earth fault loop impedance
- operation of residual current devices
- phase voltage
- current per phase
- illumination levels in lux

The Contractor is responsible for the arrangement of such tests. He shall give at least 72 hour's notice to the Engineer prior to the test date.

4.1.2 Measurement

The unit of measurement shall be the number of CoC's provided per Facility.

4.2 OPERATING & MAINTENANCE DOCUMENTS

4.2.1 Scope

The Contractor shall be responsible for the compilation of a complete set of as-built drawings, inventory list and Operating-and-Maintenance manuals.

This shall be done in accordance with the Additional Specification SB – Operating and Maintenance manuals.

Over and above what is specified in the Additional Specification – SB Operating and Maintenance manuals, the Operating and Maintenance Manual to be compiled shall be structured and shall at least include information as detailed under Part C2.5.

Draft copies of the documents shall be submitted to the Engineer for scrutiny and any necessary revisions shall be made prior to submission of multiple copies of the approved document.

4.2.2 Measurement

Draft copies: Fixed sum for all documents per facility for the complete Electrical installation including any resubmissions to achieve approval.

Final copies: Number of copies of the complete set of supplementary documents per Facility for the complete Electrical installation.

5. DAYWORKS, PROVISIONAL SUMS & CONTINGENCIES

5.1 DAY WORKS

5.1.1 Scope

Provide for certain works to be executed on the basis of Dayworks where specified or instructed. This item may only be utilised on the specific instruction of the Engineer. All overhead costs shall be included.

In the case of work provided for in terms of Provisional Sums the Contractor shall submit a detailed quotation prior to commencing work. The amount of the quotation shall not be exceeded without approval prior to completion of the work concerned. In the case of Transport for planned maintenance, a prior quotation is not required.

5.1.2 Measurement

Labour: Time (hrs) including the full cost of employment such as wages, transport (excluding authorised transport), insurances, subsistence, allowances, overheads, etc. Materials markup as a portion of proven materials cost eg 15% = 0,15.

Materials: An allowance for the cost of materials utilised in connection with work performed in terms of dayworks. The materials mark-up rate shall allow full compensation to the Contractor for quotation profit & attendance costs. The mark-up rate shall be given as a portion of the proven cost of the materials utilised, ie 15% must be entered as 0,15.

Transport: Authorised distance travelled measured in km, is separately quantified.

Vehicular transport measured in km between the reference location and the various sites at which services are performed will be determined on the basis of the following distance table. Transport between the Contractor's head office and the reference location is not reimbursable, the costs thereof being an overhead for the Contractor's own account. Where more than one service is performed on the same day in the same area transport costs will be calculated on actual distance travelled as defined in this measurement clause. The measured quantity in km is provisional to be adjusted as utilised. The distances travelled shall be recorded in a log book with odometer readings, date, origin & destination places. Logbook copies shall be submitted with the monthly job card claims.

Reference Location: General Post Office, Queenstown.

The following table illustrates an example of the method of measurement which shall be adopted in order to minimise travel costs. It is the Contractor's responsibility to ensure that all consumables, tools and spares are loaded in the transport for the sites to be visited to avoid the need to make an additional return to the depot during the day before the day's scheduled site visits are completed. Any such return journey shall be fully motivated and approved prior to the event.

Reference location to site A	8km
Site A to site B	1km
Site B to site C	2km
Site C to reference location	6km
Total Distance	17km

5.1.3 Payment

Payment will be subject to the submission of a detailed claim for materials utilised and transport, together with the monthly submission of job cards for maintenance & servicing or other tasks instructed to be performed in terms of dayworks. Payment claims shall include full details of the work performed with supporting materials invoices, close-out reports, labour time sheets & transport details with distance travelled log.

5.2 UNPLANNED MAINTENANCE

5.2.1 Scope

The Department operates a reporting system for any Electrical installation faults or breakdowns (complaints) which may occur.

The Call Centre is operated on behalf of the Department by *Advance Call*. The Contractor shall register with the Call Centre by submitting an application form & paying the required registration fee. The Contractor shall furthermore pay to the Call Centre a monthly subscription fees, call fees and reporting fees.

Client or tenant department staff report such Electrical installation faults or breakdowns to the DPW Call Centre which will log the complaint and transmit it by fax to the Contractor.

The Contractor shall respond to the complaint as necessary in accordance with the assigned priority level & the breakdown (complaint) shall be repaired as necessary to restore the installation to full operation in the minimum time. On completion of the complaint remedy, the Contractor shall complete a Job Card and submit to the Engineer with a copy to the facility concerned. The Contractor shall attach to the Job Card the following documents associated with the complaint.

- Copies of vendor tax invoices for materials used, each endorsed with the Complaint Number, the Contractor's stamp and the Contractor's original signature.
- Travel log sheet for travel exclusively incurred in attending to the Complaint. If the Complaint was repaired during a scheduled service visit to the plant concerned, then the travel log for the complaint shall be appropriately endorsed.
- Time sheets of staff who attended to the Complaint all stamped and endorsed with the Contractor's original signature.
- Further information which may be necessary or instructed.
- The assigned priority level applicable for this contract will always have a ***fatal breakdown*** status

The Engineer will be responsible for closing the call. The Contractor shall be responsible for obtaining the fax number of each facility and establishing to whom the said fax must be transmitted.

Should the Contractor not be able to complete the required breakdown repair work within the maximum down-time period allowed, it shall be his responsibility to obtain extension of down-time from the Engineer. The written report shall clearly state the reasons for the extension, as well as the actual extension required.

Extension of down-time will only be granted by the Engineer if;

- (a) The maximum down-time is unreasonable in relation to the scope of the repair work required.
- (b) The delivery time of a new component/subassembly/machine or spares required for the repair of the defective component/subassembly does not enable the Contractor to successfully complete the repair work within the maximum breakdown down-time allowed.

Priority Level	Maximum Allowed Down-Time (MDTA)	Penalties for the Non-Responsiveness in Rand Value
Fatal breakdown where specified	4 hours (immediate response)	R 1000.00
Emergency breakdown	24 hours	R 750.00
Ordinary breakdown	7 days	R 500.00

“Maximum down time” shall mean the period of time allowed to repair a breakdown, and “actual down-time” shall mean the measured period from the instant when the breakdown was logged with the Contractor until the installation has been repaired to its functional specification.

5.2.2 Measurement & Payment

a) Breakdown Repair work :

Materials, labour & transport elsewhere measured under Dayworks.

5.2.3 Payment

Payment will be subject to the submission of detailed claims for materials utilised and transport, together with the submission of unplanned maintenance Job Cards. Payment claims shall include full details of the work performed with supporting materials invoices, Job Cards, labour time sheets & transport details with distance travelled log.

SUBSECTION 1: GENERAL INFORMATION

DOCUMENTATION

The Department of Public Works proposes to maintain for a period of 36 months the existing Electrical Installation at various state premises in the Queenstown area. The complete scope of the Engineering Works is described in the documents listed on the contents page of this volume.

This Part (C2) contains the Engineering specifications and schedules of quantities for the Engineering Works which shall be read in conjunction with the balance of the Contract documentation including the Conditions of Contract.

The several parts forming this Part C2 function in the following manner.

Part C2.1 : Project or Supplementary Specification : Subsection one : Describes the scope of the installations and particular requirements for the construction of the Engineering Works and must be read in conjunction with the standard Specifications and the Schedule of Quantities. Subsection 1 provides certain supporting information related to the project.

Subsection 2 & 3 describes the Scope of the Works by means of particular specifications for measured work.

The specification reference corresponds with the Schedule of Quantities reference (refer to the Preamble to the schedules Part C2.4).

References to the general and technical clauses of Part 2 and 3 or other documents are shown in brackets thus {...}. Such references shall, however, not be construed as being exclusive or comprehensive and it remains the Contractor's responsibility to make reference to such other specifications, standard or statute as relevant and necessary.

- Part C2.2 : OHS Requirements : Includes the relevant portions of Departmental Standard Specifications. The Contractor shall be responsible for referencing the correct & complete standard specifications, notwithstanding any references in the text of this document or specific clauses included in this part of the document.
- Part C2.3 : Quality Requirements : Includes reference to the relevant portions of the Departmental Standard technical specifications quality requirements. The Contractor shall be responsible for referencing the correct & complete standard specifications, notwithstanding any references in the text of this document or specific clauses included in this part of the document.
- Part C2.4 : Schedules of Quantities (Pricing data) : Quantifies the Scope of the Works.
- Part C2.5 : Site information & Proforma maintenance record & reporting documents

SITE INFORMATION

General

The sites of the proposed Engineering works for this project are located at the premises listed in Part C2.5. The facilities are occupied by various Client Departments.

The Contractor shall assess each site to determine relevant data.

Environmental Conditions

Environmental statistics for Queenstown and surrounding area may be obtained from the SA Weather Office.

Electricity Supply

The permanent supply parameters are: 400/230V 50Hz.

Supplier: The relevant local Municipality or Eskom.

Electricity for the Works: Refer to **Facilities**.

Water supply

The water supply to the property is generally provided by the local Municipality.

Existing Facilities

The schedule of existing facilities is presented in Part C2.5

STANDARD SPECIFICATIONS

The specifications make reference to certain national and international standard specifications as well as the standard specifications published by the Department of Public Works. Such specifications are not issued with this document but may be obtained from the relevant source. Source details for DPW documents are stated in the preambles to Part C2.2 page 2/contents & Part C2.3 page 3/contents.

The Contractor shall be entirely responsible for referencing all relevant standard specifications of the DPW, SANS or other applicable published standard whether such standard is referenced in this document or not and ensuring compliance of the Engineering Works therewith. The references in this document to standard specifications shall not be construed as limiting, and are given merely as a guide for basic reference. Where SABS is stated, the applicable SANS shall apply.

SUBSECTION 2: ENGINEERING MAINTENANCE WORKS

1. GENERAL ITEMS

1.1 CONDITIONS OF CONTRACT

1.1.1 Scope

The Contractor shall comply with the obligations and requirements of the Agreement and Contract Data (DPW 05EC) documents contained in Part C1 including the General Conditions of Contract 2015 (GCC 2015 3rd Edition).

The Contractor shall allow for all the responsibilities and obligations in terms of the Conditions of Contract and Contract Data, including;

- Risks, costs and obligations in terms of the General Conditions of Contract, the Contract Data and of the standardised specifications, except where provision is made in the Project Specifications to cover compensation for any of these items.
- Head office and site overheads and supervision.
- Profit and financing costs.
- Sureties, employment related expenses, statutory expenses.
- Indemnities & Insurances: Particular reference shall be made to clauses 33 and 35 of the Contract Data (DPW-05EC). The Contractor will only be permitted to perform work on the site if a valid insurance policy document and proof of cover or premium payment have been submitted and approved.
- The Contractor shall maintain current registration and have paid the necessary fees to the Compensation Commissioner in compliance with the Compensation for Occupational Injuries and Diseases Act, 1993 (COID). The Contractor will only be permitted to perform work on any site if a valid Letter of Good Standing issued by the Compensation Commissioner has been submitted and approved.
- A detailed program for the execution of the maintenance at all installations for the whole of the Contract period, listing each facility, its location and fixed dates of maintenance. The Contractor will be required to comply with the program at all times.
- Expenses of a general preliminary and general nature not specifically related to any item or items of permanent or temporary work.

1.1.2 Measurement

Fixed or time or value related sums for the stated items.

(a) Fixed

A sum that is not subject to adjustment as defined in the GCC 2004 clause 46.1.

(b) Time Related

A sum that is proportionately adjustable in accordance with the Time for Completion and any extension of the Time for Completion.

(c) Value Related

A sum that is proportionately adjustable in accordance with the value of the Contract excluding the total of all amounts included under clause 1.1 of Sub-Section 2 (Preliminary & General Items).

1.1.3 Payment

a) Fixed : interim payment as evaluated by the Engineer

- b) Time related : In proportion to the elapsed time of the Contract period.
c) Value related : In proportion to the value certified for payment.

1.2. FACILITIES

The following facilities shall be provided by the Contractor for the duration of the Contract.

1.2.1 Administrative Facilities, Equipment and Materials

The following administrative facilities shall be provided.

1.2.1.1 Site Instruction Book

A4 carbon paper multiple copy book to be obtained from the DPW Project Manager to whom the book shall be returned on completion. The Contractor shall supply carbon paper.

1.2.1.2 Communications Facilities

Telephone (landline), fax (landline) & email services shall be provided at the Contractor's offices. Such facilities shall be reliable since instructions, drawings and documents will be issued electronically to the Contractor.

1.2.1.3 Electricity & Water for the Works

The employer will allow the use of water and electricity for construction free of charge. The Contractor shall provide suitable temporary facilities such as electricity extension cables, water hoses & water containers as necessary while work is being performed.

1.2.1.4 Measurement

Administrative facilities, etc : Time related sum

1.2.2 Display Boards

1.2.2.1 Scope

Display signs shall be erected at each facility fixed as close as possible to the front entrance (position to be agreed with Engineer before erection). The display boards shall be to standard DPW specification, 3000mm x 3000mm size and contain the following information in an approved legible format. The panel shall be weatherproof and printed by a sign writer as approved.

- Contract number
- Employer's name
- Name of project
- Name of Consulting Engineer
- The Electrical Installation is being maintained by Contractor's name, telephone number.
- Contract Period
- Fault reporting telephone number

On completion of the Contract the sign shall be removed.

1.2.2.2 Measurement

Display boards : Number of boards installed.

1.3 SAFETY

{Normative Reference Part C2.2 : Occupational Health & safety}

1.3.1 Scope

The Contractor shall comply with the requirements of the Health & Safety Specification referenced above. The Engineer has been appointed the Agent of the Employer.

The Contractor shall refer to the Site information sub-section 1 and the specifications describing the scope of the Engineering Works, for information about the type of environment in which the work is to be executed. Notwithstanding anything stated in this document the Contractor shall be responsible for determining the safety requirements of each site.

The premises in which the maintenance will be undertaken will be occupied by staff during the Contract period. Working areas shall therefore be demarcated by means of suitable signs and warning tape which shall be removed on completion of work.

Work in building interiors with gas torches or welding machines (where applicable) shall be executed with care and temporary protection for any adjacent timber, ceiling, tile roof or other flammable material shall be employed. A dry powder fire extinguisher shall be provided by the Contractor in the immediate vicinity of any work involving flame or electric arc.

1.3.2 Health & Safety Plan

A comprehensive H&S Plan shall be prepared and submitted for approval. A copy shall be available in the Contractor's vehicle when attending any site to perform maintenance work. Removal & disposal of fluorescent tubes risk analysis & safe work procedures shall be included as necessary.

1.3.3 Safety Officer :

An employee trained as required by the OHS Act shall be appointed for the duration of the Contract period. The item shall allow for the costs of such officer during the period in which the safety officer's functions are performed.

1.3.4 First Aid Kit

A comprehensive first aid kit shall be readily available in the Contractor's vehicle when attending any site to perform maintenance work.

1.3.5 Safety Meetings

Such meetings shall be at monthly intervals. The safety officer shall chair the meeting and keep written records of the proceedings. A copy of the records of each meeting shall be submitted to the Engineer. The Engineer or representative may attend the meetings for which written notice shall be issued.

1.3.6 Balance of Safety Related Items

The Contractor shall provide for the balance of safety related items such as temporary marking, barriers, protective equipment and clothing, working with care, etc.

1.3.7 Measurement

Fixed or time related sums by item stated.

1.3.8 Payment

In proportion to elapsed time of the Contract period.

1.4. ENGINEERING WORKS

1.4.1 Scope

The Scope of the Works described in this document shall include the complete servicing and maintenance of existing Electrical installation and guaranteeing free of defects for the full maintenance period of the complete installations specified comprising the following principal entities which are described under each section of the Project Specification, Part C2.1.

Facilities listed in Part C2.5 form the Scope of the Engineering Works;

1.4.2 Purpose of the Proposed Engineering Works

The purpose of the maintenance project is to ensure that the Electrical installation is fully functional & compliant to OHS and the applicable wiring code in the Republic of South Africa, SANS10142, latest amendment.

1.4.3 Supervision and Management

The Contractor shall supervise and manage the scope of work and provide everything necessary for the complete maintenance of the installation whether described in precise detail or not. Such supervision and management shall include periodic inspection of the site to check that the installation work complies with the specifications and instructions, attendance at site meetings and inspections as necessary or required. This item shall include allowances for construction tools specific to the installation and all relevant

provisions. Arrangements shall be made with the occupants of buildings regarding access to the premises in order to execute the required services

All electrical work shall be performed by registered or licensed staff of the Contractor, as required by legal statute. Copies of registration or licence documents shall be submitted at the beginning of this Project. Electrical testers for single phase do not comply with this requirement. A registered electrician and suitably skilled personnel shall be available to carry out any emergency repair work on a 24 hours basis including week-ends and public holidays.

The Contractor shall provide at his own cost a supply of Job Cards in accordance with the example included herein. The Job Card must be completed legibly in ink after completion of each service. In addition to the original completed Job Card submitted with the account, the Contractor must submit a copy of the Job Card to the User Department for audit purposes.

1.4.4 Measurement

Time related sum.

1.4.5 Accommodation of Tenants (Client) Departments

It is possible that staff of the tenant (Client) Department's may be present on the site during the maintenance period. Such presence shall be respected without interference. Where it is necessary to isolate any electrical services, specific arrangements shall be made with the Client Department & confirmed in writing to the Engineer.

1.4.6 Measurement

Time related sum.

1.4.7 Access Control & Identity of Staff

The User Departments maintain various levels of Access Control systems at the entrances to the sites. It may not always be possible to gain entry to such areas upon arrival and delays can occur. In certain areas Contractor's may require escorting by User Department staff. The Contractor shall comply with the requirements and instructions of such staff at all times. The Contractor shall bear the sole responsibility for arranging access to the sites as necessary.

The Contractor shall maintain a daily schedule of employees at each site including time of entry to the site and any specific facility. Each employee shall display a company identity card with name, company and photograph. Working garments (not orange in colour) shall identify the Contractor.

Should the work fall within a security area, the Contractor must obtain, either from the SA National Defence Force (SANDF) or SA Police Services (SAPS), access cards for his personnel and employees who work within such an area. The Contractor must comply with any regulations or instructions issued from time to time, concerning the safety of persons and property by the SANDF or SAPS.

The Department or the Chief of the SANDF or the Commissioner of the SAPS may require the Contractor to have his personnel or a certain number of them security classified. In the event of either the Department, the Chief of the SANDF or the Commissioner of the SAPS requesting the removal of a person or persons from the site for security reasons, the Contractor shall do so forthwith and the Contractor shall thereafter ensure that such person or persons are denied access to the site and/or to any documents or information relating to the work.

1.4.8 Measurement

Time related sum.

1.4.9 Rubbish and Waste Management

All rubbish and waste arising from the work must be removed and the site and buildings left clean and tidy including items such as fluorescent tubes, these shall be disposed of in an environmentally safe manner.

1.4.10 Measurement

Time related sum.

1.5 CONTRACTOR'S DRAWINGS & EQUIPMENT SPECIFICATIONS

1.5.1 Scope

Such drawings and/or documents for new and replacement equipment or components where required or necessary shall be submitted for record purposes. Documents for electrical equipment shall include full wiring diagrams and component schedules which are suitable for incorporation into the O&M Manuals and as-built drawings.

1.5.2 Particulars of Equipment & Materials

All equipment new & replacement shall be selected with due regard to the installation site conditions.

Equipment shall at all times be selected to operate within the limits recommended by the particular manufacturer.

Where equipment will be required to operate at conditions deviating from the manufacturer's standard selection tables, de-rating shall be performed strictly in accordance with the manufacturer's methods.

Product references, where given in this document, shall be taken merely as a guide to product selection, notwithstanding which, all equipment and materials shall comply fully with the specifications.

1.5.3 Material of Equal Quality

Replacement parts, spares and materials used shall be of equal specification to the component that is being replaced and must where possible carry the SANS mark of approval, but can be of a different size if specifically required by the Department. If such equivalent component is not available, then the alternative component must be approved by the Engineer prior to installation.

A representative of the "user" department must sign for spares that have been used in the execution of services and details entered on the Job Cards.

The serial numbers of original and new components shall be entered on job cards and invoices presented for payment. The guarantee cards for items must also be attached to job cards.

1.6 HAZARDOUS MATERIAL REMOVAL

1.6.1 Normative Reference

Occupational Health & Safety Act 1993 (85 of 1993)

1.6.2 Scope : Fluorescent tubes

Most luminaires in the various facilities are fitted with fluorescent tubes to provide the required lighting. Where these need to be replaced, great care shall be taken when removing them.

Risk analysis & safe work procedures relating to all fluorescent tube work shall be included in the Health & Safety Plan as elsewhere measured.

Fluorescent tubes contain phosphor and mercury toxins and are extremely hazardous to personal health and shall therefore be handled in terms of the EPA & other relevant Regulations.

All handling of fluorescent tubes shall be executed by an authorised person/s complying with the requirements of the Regulations. The certificate of the said authorised person/s shall be submitted to the Engineer. The certificate shall remain valid for the entire period during which the said person/s is/are performing work on hazardous material. Allowance shall be made for everything necessary including but not limited to safety containers, protective clothing, signs, tools & complete decontamination upon the removal of samples or bulk tubes.

A disposal certificate shall be submitted on completion of all removals. The waste from individual facilities shall be safely stored until such time as the removal of fluorescent tube material from each facility has been completed such that one bulk disposal can be made per facility.

1.6.3 Measurement

Transport is elsewhere measured which shall be excluded from the following items.

1.6.4 Removal : number of fluorescent tubes removed.

1.6.5 Disposal : Number of fluorescent tubes actually disposed of. The number shall be recorded by the Contractor & submitted for measurement and payment. The provision of a disposal certificate shall be included.

2. ELECTRICAL INSTALLATION – BUILDING INSTALLATION

2.1 SCOPE SUMMARY - MAINTENANCE, SERVICE & REPAIR

This tender involves the servicing of Electrical installation situated in military and police bases, magistrates courts, state buildings and structures falling under the control of the Department or other departments hereafter referred to as “user” departments.

It is a specific condition of this Contract that all new work or additions of any nature whatsoever are excluded. Where it is necessary to replace any plant or equipment, the Department reserves the right to ask for quotations and to accept the lowest such quotation.

Where necessary, replacements may be done with modern equivalents if the original equipment is no longer supported, that is, in cases where the particular item fails. Changes in order to bring the existing installation in line with the new wiring code SANS10142 with latest amendments will be included in this Contract with the approval of the Engineer.

The Employer retains the right to instruct the Contractor through the Engineer to carry out additional or upgrading work. Where necessary, the Contractor will be allowed to make use of Specialist Subcontractors to assist with add on and/or upgrading work. Approval for this must be obtained in writing in advance.

Portable appliances & equipment such as UPSs, kettles, fans, urns, heaters et cetera do not form part of this Contract, unless instructions to the contrary have been issued by the Employer's representative in writing.

The Contractor shall supply all expandable material such as oil, grease and cleaning material necessary for the proper execution of maintenance, servicing and repair work.

At premises where computers, delicate tests, machines and passenger lifts are in operation, the services cannot be done during normal working hours and arrangement must be made for performing the services on Saturdays or after hours, which shall form part of the Contract at no extra cost.

During site visit to a particular facility, the Contractor shall check the installation for compliance and shall draw up an Asset Register for fixed items and produce as-built drawings. All irregularities and comments must be reported by the Contractor to the Engineer.

The work shall be carried out by a competent technician/electrician all in accordance with the Basic Conditions of Employment Act no 75 of 1997.

All work carried out and all equipment and material supplied in terms of this procedure shall comply with the original equipment manufacturer's specifications and operation and maintenance instructions. The Contractor shall be responsible for obtaining such documents, however, copies of the existing operating & maintenance manuals may be obtained from the DPW. The existence or suitability of such DPW documents is not warranted.

2.2 DISTRIBUTION BOARDS

2.2.1 Scope

- Service distribution boards: inspect and clean the distribution boards treat the enclosure for moisture ingress and corrosion.
- Check for rigidity and fastening of equipment trays, panels, doors and handling devices.
- Check locking mechanism and fit padlock. All padlocks shall be of local manufacture with brass bodies and 75 mm chrome shackles. Three keys (with pvc labels) shall be provided for each lock.
- Replace damaged or missing faceplates, doors, mounting frames, handles, thumb catches, etc.
- Check operation of distribution board equipment and meters, replace if faulty or damaged with an approved type.
- Remove all obsolete equipment and meters.
- Check and fasten wiring and cable terminations.
- Re-arrange wiring and equipment to give a neat installation.
- Trace outgoing circuits.
- Fit labelling and blank face plate covers.
- Replace the distribution boards if required and replacement is approved by Engineer.
- Check earth bar and earth continuity, record.
- Label all wiring and cabling with Grafoplast Trasp PVC markers.

2.2.2 Measurement

2.2.2.1 Service Distribution Board

The unit of measurement shall be the number of distribution kiosks or boards opened and serviced.

The tendered rate shall include full compensation for the opening of the distribution board or kiosk, internal cleaning of the enclosure, cleaning of equipment and meters, removal of obsolete distribution board equipment, re-arrangement of equipment and wiring, treatment of the enclosure for moisture ingress and corrosion, vermin protection, fastening and / or replacement of wiring, tracing of outgoing circuits, labelling of outgoing wiring and mcb's and cable terminations and earth testing.

The tendered sum shall further include for replacement of damaged, missing or faulty distribution board switchgear, meters, neutral/earth bars, face plates, mounting frames, handling devices, doors, labelling etc.

2.2.2.2 Replace Distribution Board

The unit of measurement shall be the number of distribution boards removed and replaced if replacement is approved by Engineer.

The tendered rate shall include full compensation for the manufacture, Supply of items for repair or for the dismantling of the DB equipment, removal of the dilapidated enclosure, Supply of an epoxy painted new enclosure, mounting frames, plates, equipment, meters, tracing of outgoing circuits, labelling etc.

The tendered sum shall further include for re-wiring of the board, cable termination, cable labelling, remedial builders work and earth testing.

The tendered sum shall include full compensation for the provision of three paper print drawings of all equipment to be manufactured shall be submitted to the Engineer for approval. These drawings shall indicate all equipment, distribution systems, instrumentation positions and access requirements embodying all modifications made during construction, and further system diagrams indicating the intended functioning, capacity data and control functioning of all systems. The Contractor shall review, stamp, date and sign to signify his approval and submit in the manner required by the Engineer and with reasonable promptness and in orderly sequence so as to cause no delay in the work, Corrections required by the Engineer and shall re-submit the required number of corrected copies.

2.2.2.3 Supply & installation of equipment in distribution board including switchgear, timers, surge arrestors, padlocks etc

The unit of measurement shall be the number of items supplied and installed.

The tendered rate shall include full compensation for the Supply of the specified item, including printed pvc labelling.

2.3 LUMINAIRES

2.3.1 Scope

- Service luminaires: remove lens and lamp. Wash lens thoroughly.
- Wash luminaire body with detergent.
- Clean polished pure aluminium reflectors with benzine.
- Check condition of internal wiring, capacitor, ballasts and starters.
- Check condition of neoprene seal and replace if worn or damaged.
- Check condition of lamp holder.
- Seal conduit and wiring entry with silicone to eliminate water ingress.
- Fit new lamp.
- Check condition of earth stud and luminaire earth connection.
- Replace all missing screws, lens catches, bolts.
- Close cover securely, check stirrup bolts.
- Replace luminaires: Remove existing damaged luminaires, supply and install similar and approved luminaires complete with lamps and electronic control gear, if applicable.

2.3.2 Measurement

2.3.2.1 Re-lamp luminaire – unit of measurement shall be the number of lamps re-lamped.

2.3.2.2 Service luminaire – unit of measurement shall be number of luminaires opened & service

2.3.2.3 Replace luminaire – unit of measurement shall be the number of lamps replaced.

2.4 LIGHT SWITCHES

2.4.1 Scope

- Remove switch cover.
- Check continuity of earth connection.
- Check operation of switch and replace if suspect.
- Replace switch cover, fit new csk stainless steel screws if required.
- Switch cover shall be fitted with an engraved Traffolite label as per Nosa-standard

2.4.2 Measurement

2.4.2.1 Service light switch – The unit of measurement shall be the number of light switches opened and serviced.

2.4.2.2 Replace switch cover – The unit of measurement shall be the number of light switch covers replaced.

2.5 PHOTOCELLS

2.5.1 Scope

- Wash translucent body with detergent.
- Cover photocell and verify operation.
- Check bypass manual switching circuit.
- Enclose all exposed wiring in 16 mm ø sprague.

2.5.2 Measurement

2.5.2.1 Service photocell – The unit of measurement shall be the number of photocell units serviced.

2.5.2.2 Replace photocell – The unit of measurement shall be the number of photocell units replaced.

2.6 POWER OUTLETS AND FIXED APPLIANCES

2.6.1 Scope

- Inspect all power outlets and verify earthing.
- Check contact points and tighten screws.
- Replace missing screws and covers for outlet and draw boxes.
- Replace missing, faulty or damaged socket outlets and plugs.

- Check conditions and operation of local isolators and control switches for fixed equipment and replace if faulty, damaged or missing.
- Check earthing of fixed appliances and test for earth continuity.
- Inspect cable and wireways.
- Check for rigidity and fastening of the cable ducts, ladders, ducting, powerskirting and surface conduiting, fasten or replace if loose or damaged, check earthing and test for earth continuity.

2.6.2 Measurement

2.6.2.1 Service power outlet – The unit of measurement shall be the number of power outlets opened and serviced.

2.6.2.2 Replace power outlet – The unit of measurement shall be the number of power outlets replaced.

2.6.2.3 Replace wiring channel – The unit of measurement shall be the number of linear meter of wiring channel replaced.

2.7 EARTHING, BONDING AND LIGHTNING PROTECTION

2.7.1 Scope

- Check earthing and bonding of outlet points, equipment, cable and wireways, fixed appliances, water and gas pipes, etc.
- Check installation and termination of protective conductors and earth electrodes.
- Test for earth continuity.
- **Provide 6 mm² copper earth wire jumper between roof cladding and all gutter downpipes. Fasten with lugs and galvanized zinc bolts. Typically ten downpipes per housing unit. Earth at least two gutter downpipes by means of 16mm² green insulated earth wire connected to 1.2m earth electrode by means of cadwelding. Typically two downpipes per 25m long housing unit.**

2.7.2 Measurement

2.7.2.1 Testing of the earth installation by a Specialist Contractor – The tendered lump sum shall include full compensation for the testing of the earth installation by a specialist contractor approved by the Engineer.

2.7.2.2 Supply & installation of earth electrodes – The unit of measurement shall be the number of earth electrodes supplied and installed. The tendered sum shall include full compensation for the Supply of the specified type and size of earth electrodes including termination by means of approved clamps.

2.7.2.3 Provide cadweld joint - The unit of measurement shall be the number of cadweld joints provided. The tendered sum shall include full compensation for the supply and installation of the specified type and size of cadweld pyro joints.

2.7.2.4 Earth building rood structure – The unit of measurement shall be the number of roof structures earthed. The tendered sum shall include full compensation for the Supply of the specified type and size of earthwire and the termination there-of onto a 1,2 m Cu earth electrode driven into the soil 1,8 m deep.

3. ELECTRICAL INSTALLATION – EXTERIOR LIGHTING SYSTEMS

3.1 EXTERIOR LIGHTING SYSTEM - Mounting height ranging from 2.5m up to 20m, including galvanised steel poles, wooden poles, concrete poles and fibreglass poles.

3.2 AREA LIGHTING

3.2.1 Scope

- Service mast distribution boards and supply kiosks: Clean, label, check terminations and earthing. Service each luminaire, open control gear enclosures and treat for moisture ingress and corrosion. Wash luminaires with detergent and clean lenses. Check and replace neoprene seals.
- Re-lamp luminaires. Replace luminaires: Remove existing damaged luminaires, supply and install similar and approved luminaires complete with lamps and control gear, if applicable.
- Check consistency of aiming angles and tighten mounting bracket bolts
- Check pole covers; measure earthing continuity and tighten foundation bolts. Replace all padlocks on distribution boards and kiosks.

3.2.2 Measurement

3.2.2.1 Re-lamp luminaire

The unit of measurement shall be the number of floodlight lamps replaced.

The tendered rate shall include full compensation for the Supply of the lamp according to the manufacturer's instructions.

3.2.2.2 Service floodlight luminaire

The unit of measurement shall be the number of floodlight luminaires opened and serviced.

The tendered rate shall include full compensation for the servicing of the luminaire, including washing, corrosion protection, checking of seals and glands, cleaning of the lenses, tightening of stirrup bracket bolts and the checking of earthing continuity and aiming angle.

3.2.2.3 Service light distribution kiosk or DB

The unit of measurement shall be the number of distribution boards or kiosks serviced.

The tendered rate shall include full compensation for the cleaning and opening of kiosk or DB, vermin protection, checking of MCB's, checking and tightening of wire terminations, fitting of labels and blank covers, etc.

3.2.2.4 Supply and install padlocks

The unit of measurement shall be the number of 65mm padlocks installed.

The tendered rate shall include full compensation for the ordering, supply, engraving and installation of the padlocks, locking devices and seals.

3.2.2.5 Service area light pole

The unit of measurement shall be number of area light poles opened and serviced.

The tendered rate shall include full compensation for the opening of pole cover, visual inspections, and straightening of pole.

3.2.2.6 Replace floodlight luminaire

The unit of measurement shall be number of floodlight luminaires replaced.

The tendered rate shall include full compensation for the Supply of the specified floodlight luminaire complete with lamp and control gear according to manufacturer's instructions.

3.3 SECURITY LIGHTING

3.3.1 Scope

- Open distribution kiosk, check locks, clean inside, provide termite and rodent poison.
- Open each pole cover and inspect fuse or circuit breaker, tray and shield plate as well as earthing connection. Check and replace cover seal if required. Wash luminaire and lens, replace neoprene seal and re-lamp luminaires.
- Replace luminaires: Remove existing damaged luminaires, supply and install similar and approved luminaires complete with lamps and control gear, if applicable.
- Check aiming angle and adjust if necessary.

3.3.2 Measurement

3.3.2.1 Service security light pole

The unit of measurement shall be the number of security light poles opened and serviced.

The tendered rate shall include full compensation for the opening of pole cover, visual inspections, straightening of poles, servicing of luminaires as specified.

3.3.2.2 Re-lamp luminaire

The unit of measurement shall be the number of security floodlight lamps replaced.

The tendered rate shall include full compensation for the Supply of the lamp according to the manufacturer's instructions.

3.3.2.3 Service distribution kiosk

The unit of measurement shall be the number of distribution kiosks or boards opened and serviced.

The tendered rate shall include full compensation for the opening of kiosk or distribution board, vermin protection, cleaning of circuit breakers, earth testing, etc.

3.3.2.4 Replace security floodlight luminaires

The unit of measurement shall be the number of security floodlight luminaires replaced.

The tendered rate shall include full compensation for the Supply of the luminaire complete with the lamp and control gear according to the manufacturer's instructions.

3.4 SPORTS FIELD LIGHTING

3.4.1 Scope

- Open upstream distribution board. Check and fasten cable terminations, fit labelling and blank face-plate covers. Check locking mechanism and fit padlock.
- Open distribution kiosk. Clean inside and add termite and rodent poison. Fit circuit labelling. Check locking mechanism and fit padlock.
- Open each mast distribution board and inspect. Check earth bar and earth continuity. Check and fasten cable terminations, fit labelling and blank face-plate covers. Check locking mechanism and fit padlock. Check mast foundation bolts and earth connection to electrode.
- Service luminaires by washing with detergent and re-lamping where necessary. Clean lenses. Check condition of seals and glands and test for earth continuity.
- Replace luminaires: Remove existing damaged luminaires, supply and install similar and approved luminaires complete with lamps and control gear, if applicable.

3.4.2 Measurement

3.4.2.1 Service sports field light mast

The unit of measurement shall be the number of sports field light mast inspected and serviced.

The tendered rate shall include full compensation for the opening of pole cover, visual inspections and including servicing of sports field luminaires as specified.

3.2.4.2 Re-lamp luminaire

The unit of measurement shall be the number of sports field floodlight lamps replaced.

The tendered rate shall include full compensation for the Supply of the lamp according to the manufacturer's instructions.

3.2.4.3 Service distribution kiosk or distribution board

The unit of measurement shall be the number of distribution kiosks or boards opened and serviced.

The tendered rate shall include full compensation for the opening of kiosk, vermin protection, cleaning of circuit breakers, earth testing, etc.

3.2.4.4 Service sports field light pole

The unit of measurement shall be the number of light poles opened and serviced.

The tendered rate shall include full compensation for the opening of pole covers, visual inspections and servicing of luminaires as specified.

3.4.4.5 Replace luminaire

The unit of measurement shall be the number of sports field floodlight luminaires replaced.

The tendered rate shall include full compensation for the Supply of the specified luminaire complete with the lamp and control gear according to the manufacturer's instructions.

3.5 STREET LIGHTING

3.5.1 Scope

- Open distribution kiosk, check locks, clean inside, provide termite and rodent poison.
- Open each mast cover and inspect fuse or circuit breaker, tray and shield plate as well as earthing connection. Check and replace cover seal if required. Wash luminaire, replace neoprene seal, clean lens and re-lamp luminaires if required. Replace luminaires: Remove existing damaged luminaires, supply and install similar and approved luminaires complete with lamps and control gear, if applicable. Assess aiming angle and adjust if necessary.

3.5.2 Measurement

3.5.2.1 Service streetlight pole

The unit of measurement shall be the number of light poles opened and serviced.

The tendered rate shall include full compensation for the opening of pole cover, visual inspections, straightening of pole, servicing of street light luminaire as specified.

3.5.2.2 Re-lamp luminaire

The unit of measurement shall be the number of street light lamps replaced.

The tendered rate shall include full compensation for the Supply of the lamp according to the manufacturer's instructions.

3.5.2.3 Service street light distribution kiosk

The unit of measurement shall be the number of distribution kiosks or boards opened and serviced.

The tendered rate shall include full compensation for the opening of kiosk, vermin protection, cleaning of circuit breakers, earth testing, etc.

3.5.2.4 Replace streetlight luminaire

The unit of measurement shall be the number of streetlight luminaires replaced.

The tendered rate shall include full compensation for the Supply of the luminaire complete with the lamp and control gear as per manufacturer's instructions.

4. TESTING, COMMISSIONING & MAINTENANCE

4.1 TESTS & INSPECTIONS

4.1.1 Scope

All systems are to be re-checked by the Contractor prior to re-commissioning. Copies of all checks for each installation shall be presented to the Engineer for approval before re-commissioning takes place.

It is the responsibility of the Contractor to provide all labour, accessories and properly calibrated and certified measuring instruments necessary to record the following parameters (but not limited to):

- continuity of ring final circuit conductors
- continuity of protective conductors, including main and supplementary equipotential bonding
- earth electrode resistance
- insulation resistance
- polarity
- earth fault loop impedance
- operation of residual current devices
- phase voltage
- current per phase
- illumination levels in lux

The Contractor is responsible for the arrangement of such tests. He shall give at least 72 hour's notice to the Engineer prior to the test date.

4.1.2 Measurement

The unit of measurement shall be the number of CoC's provided per Facility.

4.2 OPERATING & MAINTENANCE DOCUMENTS

4.2.1 Scope

The Contractor shall be responsible for the compilation of a complete set of as-built drawings, inventory list and

Operating-and-Maintenance manuals.

This shall be done in accordance with the Additional Specification SB – Operating and Maintenance manuals.

Over and above what is specified in the Additional Specification – SB Operating and Maintenance manuals, the Operating and Maintenance Manual to be compiled shall be structured and shall at least include information as detailed under Part C2.5.

Draft copies of the documents shall be submitted to the Engineer for scrutiny and any necessary revisions shall be made prior to submission of multiple copies of the approved document.

4.2.2 Measurement

Draft copies: Fixed sum for all documents per facility for the complete Electrical installation including any resubmissions to achieve approval.

Final copies: Number of copies of the complete set of supplementary documents per Facility for the complete Electrical installation.

5. DAYWORKS, PROVISIONAL SUMS & CONTINGENCIES

5.1 DAY WORKS

5.1.1 Scope

Provide for certain works to be executed on the basis of Day works where specified or instructed. This item may only be utilised on the specific instruction of the Engineer. All overhead costs shall be included.

In the case of work provided for in terms of Provisional Sums the Contractor shall submit a detailed quotation prior to commencing work. The amount of the quotation shall not be exceeded without approval prior to completion of the work concerned. In the case of Transport for planned maintenance, a prior quotation is not required.

5.1.2 Measurement

Labour: Time (hrs) including the full cost of employment such as wages, transport (excluding authorised transport), insurances, subsistence, allowances, overheads, etc. Materials markup as a portion of proven materials cost eg 15% = 0,15.

Materials: An allowance for the cost of materials utilised in connection with work performed in terms of dayworks. The materials mark-up rate shall allow full compensation to the Contractor for quotation profit & attendance costs. The mark-up rate shall be given as a portion of the proven cost of the materials utilised, ie 15% must be entered as 0,15.

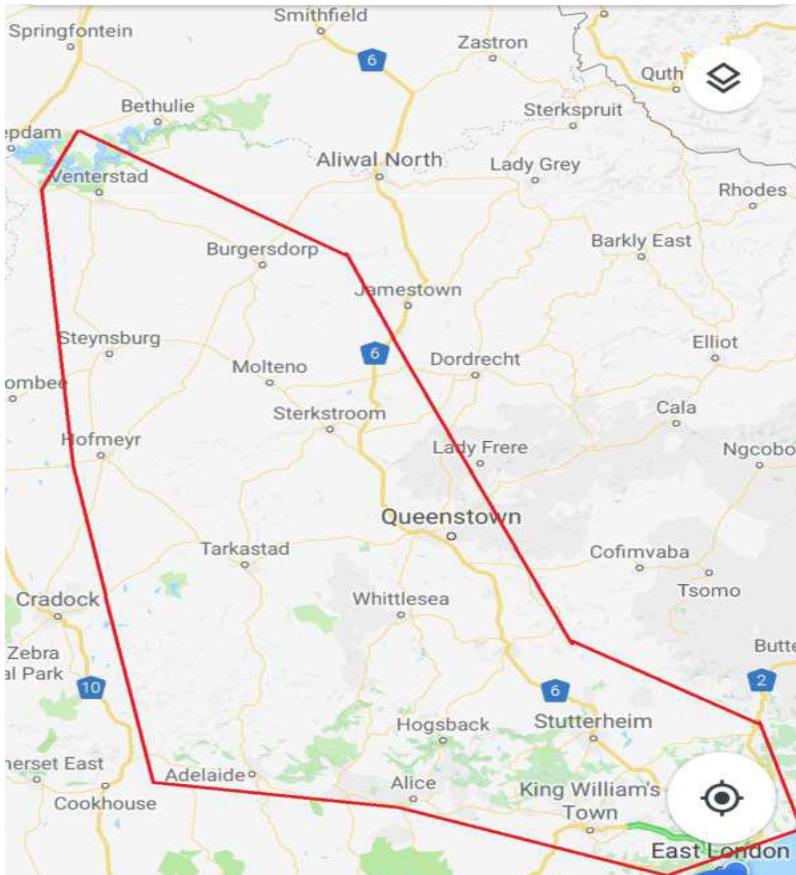
Transport: Authorised distance travelled measured in km, is separately quantified.

Vehicular transport measured in km between the reference location and the various sites at which services are performed will be determined on the basis of the following distance table. Transport between the Contractor's head office and the reference location is not reimbursable, the costs thereof being an overhead for the Contractor's own account. Where more than one service is performed on the same day in the same area transport costs will be calculated on actual distance travelled as defined in this measurement clause. The measured quantity in km is provisional to be adjusted as utilised. The distances travelled shall be recorded in a log book with odometer readings, date, origin & destination places. Logbook copies shall be

submitted with the monthly job card claims.

Reference Location: General Post Office Queenstown.

The following table illustrates an example of the method of measurement which shall be adopted in order to minimise travel costs. It is the Contractor's responsibility to ensure that all consumables, tools and spares are loaded in the transport for the sites to be visited to avoid the need to make an additional return to the depot during the day before the day's scheduled site visits are completed. Any such return journey shall be fully motivated and approved prior to the event.



The map covers both East London and Queenstown areas
Queenstown covers Up to Cathcart, Seymour, Bedford, Adelaide, Cradock, Middelburg, Venterstad, Burgersdorp and surroundings.

Reference location to site A	8km
Site A to site B	1km
Site B to site C	2km
Site C to reference location	6km
Total Distance	17km

5.1.3 Payment

Payment will be subject to the submission of a detailed claim for materials utilised and transport, together with the monthly submission of job cards for maintenance & servicing or other tasks instructed to be performed in terms of dayworks. Payment claims shall include full details of the work performed with supporting materials invoices, close-out reports, labour time sheets & transport details with distance travelled log.

5.2 UNPLANNED MAINTENANCE

5.2.1 Scope

The Department operates a reporting system for any Electrical installation faults or breakdowns (complaints) which may occur.

The Call Centre is operated on behalf of the Department by *Advance Call*. The Contractor shall register with the Call Centre by submitting an application form & paying the required registration fee. The Contractor shall furthermore pay to the Call Centre a monthly subscription fees, call fees and reporting fees.

Client or tenant department staff report such Electrical installation faults or breakdowns to the DPW Call Centre which will log the complaint and transmit it by fax to the Contractor.

The Contractor shall respond to the complaint as necessary in accordance with the assigned priority level & the breakdown (complaint) shall be repaired as necessary to restore the installation to full operation in the minimum time. On completion of the complaint remedy, the Contractor shall complete a Job Card and submit to the Engineer with a copy to the facility concerned. The Contractor shall attach to the Job Card the following documents associated with the complaint.

- Copies of vendor tax invoices for materials used, each endorsed with the Complaint Number, the Contractor's stamp and the Contractor's original signature.
- Travel log sheet for travel exclusively incurred in attending to the Complaint. If the Complaint was repaired during a scheduled service visit to the plant concerned, then the travel log for the complaint shall be appropriately endorsed.
- Time sheets of staff who attended to the Complaint all stamped and endorsed with the Contractor's original signature.
- Further information which may be necessary or instructed.
- The assigned priority level applicable for this contract will always have a ***fatal breakdown*** status

The Engineer will be responsible for closing the call. The Contractor shall be responsible for obtaining the fax number of each facility and establishing to whom the said fax must be transmitted.

Should the Contractor not be able to complete the required breakdown repair work within the maximum down-time period allowed, it shall be his responsibility to obtain extension of down-time from the Engineer. The written report shall clearly state the reasons for the extension, as well as the actual extension required.

Extension of down-time will only be granted by the Engineer if;

- (a) The maximum down-time is unreasonable in relation to the scope of the repair work required.
- (b) The delivery time of a new component/subassembly/machine or spares required for the repair of the defective component/subassembly does not enable the Contractor to successfully complete the repair work within the maximum breakdown down-time allowed.

Priority Level	Maximum Allowed Down-Time (MDTA)	Penalties for the Non-Responsiveness in Rand Value
Fatal breakdown where specified	4 hours (immediate response)	R 1000.00
Emergency breakdown	24 hours	R 750.00
Ordinary breakdown	7 days	R 500.00

"Maximum down time" shall mean the period of time allowed to repair a breakdown, and "actual down-time" shall mean the measured period from the instant when the breakdown was logged with the Contractor until the installation has been repaired to its functional specification.

5.2.2 Measurement & Payment

a) Breakdown Repair work :

Materials, labour & transport elsewhere measured under Day works.

b) Call Centre Services :

The rates shall include all relevant costs associated with the Call Centre services but excluding the actual repair work. Items shall include the profit & attendance of the Contractor on the Call Centre plus the Call Centre fees. The rate for Breakdown Calls shall furthermore include the cost of the specified administration actions. The following table of Call Centre fees represents the current status. Future annual adjustments are deemed to be covered by the Contract Price Adjustment Provisions (CPAP) allowed in terms of the Contract.

b1). Registration Fee	R 0.00 (initial once off fee)
b2). Monthly subscription	R 0.00 (per month)
b3). Breakdown calls	R 0.00 (per breakdown includes all telephone calls and faxes)
b4). Breakdown reporting	R 0.00 (per breakdown logged)

The stated rates exclude VAT.

5.2.3 Payment

Payment will be subject to the submission of detailed claims for materials utilised and transport, together with the submission of unplanned maintenance Job Cards. Payment claims shall include full details of the work performed with supporting materials invoices, Job Cards, labour time sheets & transport details with distance travelled log.

DEPARTMENT OF PUBLIC WORKS
QUEENSTOWN & SURROUNDING AREA
PREVENTATIVE MAINTENANCE, SERVICING & REPAIRS OF ELECTRICAL INSTALLATION IN
STATE BUILDINGS

PART: C3.2

GENERAL REQUIREMENTS

CONTENTS

<u>Clause</u>	<u>Description</u>	<u>Page</u>
Section 1	Occupational Health & Safety	2 / 1

Part C3.2 consists of clauses relevant to this contract which have been extracted from the following DPW Standard specifications to which Reference shall be made. Such clauses are included in this document for reference only and the said standard document in its complete form will remain the governing document in terms of this contract.

Occupational Health & Safety : Specification SI

Copies of the said standard specifications may be obtained from the offices of the Department of Public Works at the Eben Donges Building, North End, Port Elizabeth. Alternatively, soft files may be viewed or downloaded from the DPW website at www.publicworks.gov.za/documents/consultants documents.

Section 1 OCCUPATIONAL HEALTH AND SAFETY

Definition : The “Principal Contractor” as defined in the Construction Regulations and used in this section of the specification shall mean the “Contractor” as defined in clause 1.1.8 of General Conditions of Contract 2004.

CONTENTS

1. Applicable legislation and regulations
2. Scope of work
3. The principle contractor’s general duties
4. The principle contractor’s specific duties
5. The principle contractor’s specific duties with regard to Hazardous work activities

1. APPLICABLE LEGISLATION AND REGULATIONS

This document was prepared to guide the Agent in the compilation of a Health and Safety Specification in terms of Sub-regulation 4(1)a of the Construction Regulation as published under Government Notice R.2003 of 18 July 2003. The content of this document or the fact it was made available for the use of the Agent will not relieve the Agent of any of his obligations in terms of the act.

The Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) together with its applicable Regulations (“the Act”) forms part of this Health and Safety Specification. Any word or expression to which a meaning has been assigned in the Act shall have the meaning so assigned to it unless the context otherwise indicates

2. SCOPE OF WORK

All work forming part of this Contract is divided into installations. The repair work to be performed as part of an installation under this Contract mainly consists of the works described in the project specification C3.1.

3. THE PRINCIPAL CONTRACTOR’S GENERAL DUTIES

The Principal Contractor’s general duties in terms of this Health and Safety Specification are, but not limited to, the following:

1. Every Principal Contractor shall provide and maintain, as far as is reasonably practicable, a working environment that is safe and without risk to the health of his employees and other contractors.
2. Without derogating from the generality of a Principal Contractor’s duties under subsection (1), the matters to which those duties refer include in particular -
 - a. the provision and maintenance of systems of work, plant and machinery that, as far as is reasonably practicable, are safe and without risks to health;
 - b. taking such steps as may be reasonably practicable to eliminate or mitigate any hazard or potential hazard to the safety or health of employees and other contractors, before resorting to personal protective equipment;
 - c. making arrangements for ensuring, as far as is reasonably practicable, the safety and absence of risks to health in connection with the production, processing, use, handling, storage or transport of articles or substances;
 - d. establishing, as far as is reasonably practicable, what hazards to the health or safety of persons are attached to any work which is performed, any article or substance which is produced, processed, used, handled, stored or transported and any plant or machinery which is used in his business, and he shall, as far as is reasonably practicable, further establish what precautionary measures should be taken with respect to such work, article, substance, plant or machinery in order to protect the health and safety of persons, and he shall provide the necessary means to apply such precautionary measures;
 - e. providing such information, instructions, training and supervision as may be necessary to ensure, as far as is reasonably practicable, the health and safety at work of his employees and other contractors;

-
- f. not permitting any employee or contractor to do any work or to produce, process, use, handle, store or transport any article or substance or to operate any plant or machinery, unless the precautionary measures contemplated in paragraphs (b) and (d), or any other precautionary measures which may be prescribed, have been taken;
 - g. taking all necessary measures to ensure that the requirements of this Health and Safety Specification are complied with by every person in his employment or on premises under his control where plant or machinery is used;
 - h. enforcing such measures as may be necessary in the interest of health and safety;
 - i. ensuring that work is performed and that plant or machinery is used under the general supervision of a person trained to understand the hazards associated with it and who have the authority to ensure that precautionary measures taken by the employer are implemented; and
 - j. causing all employees and other contractors to be informed regarding the scope of their authority as contemplated in section 37(1)(b) of the Act.

4. THE PRINCIPAL CONTRACTOR'S SPECIFIC DUTIES

The Principal Contractor's specific duties in terms of this Health and Safety Specification are specified in the Construction Regulation as published under Government Notice R. 2003 of 18 July 2003. (Hereinafter referred to as "Construction Regulation, 2003").

The Principal Contractor is specifically referred to the following subregulations of the Construction Regulation, 2003:

Subject	Applicable subregulation of the Construction Regulation, 2003.
Definitions	1
Scope of application	2
Notification of construction work	3
Principal Contractor and Contractor	5
Supervision of construction work	6
Risk assessment	7
Approved inspection authorities	29
Offences and penalties	30
Withdrawal of regulations	31
Short title	32

The Principal Contractor will acquaint himself with these duties and will make provision in his Contract price for the implementation and supervision of these duties.

5. THE PRINCIPAL CONTRACTOR'S SPECIFIC DUTIES WITH REGARD TO HAZARDOUS WORK OR ACTIVITIES

The following work or activities are defined as hazardous in terms of the Construction Regulations, 2003 and it is the duty of the Principal Contractor to ensure that the said work and activities are performed or carried out in terms of the relevant sub regulations of the Construction Regulation, 2003 and other applicable Regulations.

Hazardous work or activity	Applicable Sub-regulation of the Construction Regulation, 2003.	Other applicable Regulations
Fall protection	8	
Structures	9	
Formwork and support work	10	
Excavation	11	Precautionary measure as stipulated for confined spaces under the General Safety Regulations published under Government Notice R.1031 of 30 May 1986, as amended.
Demolition work	12	Asbestos related work will be conducted in accordance with the Asbestos Regulations published under Government Notice R. 155 of 10 February 2002 as amended. Lead related work will be conducted in accordance with the Lead Regulations published under Government Notice R. 236 of 28 February 2002 as amended.
Tunnelling	13	Any tunnelling activities will comply with the Tunnelling Regulations published under the Mine Health and Safety Act, 1996 (Act No. 29 of 1996) as amended.
Scaffolding	14	Section 44 of the Act.

Hazardous work or activity	Applicable Sub-regulation of the Construction Regulation, 2003.	Other applicable Regulations
Suspended scaffolds	15	Section 44 of the Act.
Boatswains chairs	16	
Material hoists	17	
Batch plants	18	Precautionary measure as stipulated for confined spaces under the General Safety Regulations published under Government Notice R.1031 of 30 May 1986, as amended. The Principal Contractor will ensure that all lifting machines and lifting tackle used in the operation of batch plant complies with the requirements of the Driven Machinery Regulations as published under Government Notice R.295 of 26 February 1988, as amended. The Principal Contractor will ensure that all precautionary measures are adhered to regarding the usage of electrical equipment in explosive atmospheres when entering a silo, as stipulated in the Electrical Installation Regulations as published under Government Notice R.2271 of 11 October 1995, as amended.
Explosive powered tools	19	
Cranes	20	Applicable provisions of the Driven Machinery Regulations as published under Government Notice R.533 of 16 March 1990, as amended.

Hazardous work or activity	Applicable Sub-regulation of the Construction Regulation, 2003.	Other applicable Regulations
Construction vehicles	21	
Electrical installations and machinery on construction sites.	22	Applicable provisions in the Electrical Installation Regulations published under Government notice R.2920 of 23 October 1992 and the Electrical Machinery Regulations published under Government Notice R.1953 of 12 August 1988 respectively as amended.
Use and temporary storage of flammable liquids on construction sites.	23	Applicable provisions as stipulated in the General Safety Regulations published under Government Notice R.1031 of 30 May 1986, as amended.
Water environments	24	
Housekeeping on construction sites.	25	Applicable provisions as stipulated in the Environmental Regulations for Workplaces published under Government Notice R.2281 of 16 October 1987, as amended.
Stacking and storage on construction sites.	26	Applicable provisions as stipulated in the General Safety Regulations published under Government Notice R.1031 of 30 May 1986, as amended.
Fire precautions on construction sites.	27	Applicable provisions as stipulated in the Environmental Regulations for Workplaces published under Government Notice R.2281 of 16 October 1987, as amended.

Hazardous work or activity	Applicable Sub-regulation of the Construction Regulation, 2003.	Other applicable Regulations
Construction Welfare facilities	28	Applicable provisions as stipulated in the Facilities Regulations under Government Notice R.1593 of 12 August 1988, as amended.

DEPARTMENT OF PUBLIC WORKS
PORT ELIZABETH & SURROUNDING AREA
PREVENTATIVE MAINTENANCE, SERVICING & REPAIRS OF ELECTRICAL INSTALLATION IN
STATE BUILDINGS

PART: C3.3

TECHNICAL REQUIREMENTS

CONTENTS

Clause	Description	Page
1	Standard Electrical Specification Part A & B	1 - 70
2	Standard Electrical Specification Part C	1 - 149

Part C2.3 consists of clauses relevant to this Contract which have been extracted from the following DPW Standard specifications to which Reference shall be made. Such clauses are included in this document for reference only and the said standard document in its complete form will remain the governing document in terms of this contract.

Copies of the said standard specifications may be obtained from the offices of the Department of Public Works at the Eben Donges Building, North End, Port Elizabeth. Alternatively, soft files may be viewed or downloaded from the DPW website at www.publicworks.gov.za/documents/consultants documents.

TABLE OF CONTENTS

DESCRIPTION	PAGE NO.
A.1 Pre-Amble To Standard Specification For Electrical Installations.....	1
1. Introduction	1
2. Installation Work.....	1
3. Regulations	1
4. Site Conditions	2
5. Arrangements With The Supply Authority.....	2
6. Material And Equipment.....	2
7. Connections Involving Aluminium (Cables And Transformers)	2
8. Codes Of Practice Or Standard Specification.....	2
B.1 Installation And Termination Of Conduits And Conduit Accessories	3
1. General	3
2. Screwed Metallic Conduit	4
3. Plain-End Metallic Conduit.....	5
4. Non-Metallic Conduit.....	6
5. Flexible Conduit	7
6. Installation Requirements	7
7. Installation In Concrete	9.
8. Surface Installations And Installations In Roof Spaces	10
9. Future Extensions	12
10. Expansion Joints.....	12
11. Chases And Builder's Work.....	13
B2. Installation Of Wiring Channels, Underfloor Ducting And Power Skirting	14
1. Responsibility Of The Contractor	14
2. Wiring Channels.....	14
3. Underfloor Ducting	15
4. Power Skirting.....	16
B.3 Installation Of Cable Trays And Ladders	18
1. General	18
2. Responsibility Of The Contractor	18
3. Supports.....	18
4. Spacing Of Horizontal Supports.....	18
5. Joints	18
6. Fixing To Supports	19
7. Fixing To The Structure	19
8. Installation Of Cables	19
9. Earthing.....	19
10. Corrosion	19
B.4 Fixing Materials	20
1. Responsibility	20
2. Finishing.....	20
3. Structural Steel.....	20
4. Screws And Bolts	20
5. Wall Plugs	20
6. Anchor Bolts.....	20
7. Galvanised Equipment.....	20
8. Shot-Fired Fixing.....	20
9. Clamps And Brackets	21
B.5 Wiring	22
1. Type Of Conductors.....	22
2. Wire-Ways.....	22
3. Order Of Work.....	22
4. Circuits	22
5. Looping And Joints	22
6. Grouping Of Conductors	22
7. Cable Trays.....	22
8. Drawing-In Of Conductors	23

9.	Three-Phase Outlets	23
10.	Vertical Conduit Installation	23
11.	Connections	23
12.	Earthing Conductors.....	23
13.	Colours	23
14.	Single-Pole Switches.....	23
15.	Size Of Conductors	23
16.	Partitions.....	24
B.6	Installation Of Cables	25
1.	General	25
2.	Identification Of Cables	25
3.	Trenching	25
4.	Installation Of Underground Cables.....	29
5.	Installation Of Cables In Concrete Trenches	30
6.	Fixing Of Cables To Trays Or Structures.....	31
7.	Grouping And Spacing Of Cables In Buildings And Structures	32
8.	Termination And Jointing Of Cables	33
9.	Testing	35
10.	Measurements	36
11.	Completion	37
B.7	Installation Of Light Switches And Socket-Outlets	38
1.	General	38
2.	Installation Of Socket-Outlets	38
3.	Installation Of Light Switches	39
B.8	Photo-Electric Daylight Sensitive Switch For Outside Lighting	40
1.	Installation	40
B.9	Installation Of Luminaires.....	41
1.	Positions.....	41
2.	Cover Plates.....	41
3.	Fixing To Draw-Boxes.....	41
4.	Hangers And Supports.....	41
5.	Suspended Luminaires	41
6.	Suspended Wiring Channels	41
7.	Ceiling Battens	41
8.	Glass-Bowl Luminaires	41
9.	Fluorescent Luminaires Fixed To Concrete Slabs	42
10.	Fluorescent Luminaires Fixed To Ceilings	42
11.	Continuous Rows Of Luminaires	42
12.	Recessed Luminaires	42
13.	Special Ceilings	43
14.	Bulkhead Luminaires	43
15.	Type Of Conductor	43
16.	Wiring Of Lampholders.....	43
17.	High Bay Luminaires.....	43
B.10	Connections To Equipment.....	44
1.	General	44
2.	Connections To Switchboards	44
3.	Connections To Motor Driven Equipment.	45
4.	Connections To Water Heaters.....	45
5.	Connections To Heaters, Fans And Airconditioning Units.....	46
6.	Connections To Underfloor Heating.....	47
7.	Connections To Incinerators	47
8.	Connections To Cooking Appliances	48
B.11	Earthing	49
1.	General Recommendations On The Practical Installation Of Earth Electrodes	49
2.	Technical Requirements Of Neutral Earthing	50
3.	Substation Earthing.....	51
4.	Fences Of Outdoor Substations.....	52
5.	Earthing Of A General Electrical Installation.....	52
B.12	Provision For Telephone Installation.....	54

1.	Contractor's Responsibility.....	54
2.	Regulations	54
3.	Separation Of Services	54
4.	Main Telephone Distribution Board.....	54
5.	Vertical Building (Service) Ducts.....	54
6.	Telephone Outlets.....	55
7.	Connection Of Telephone Outlets.....	55
B.13	Substations Switch Rooms And Generator Rooms	57
1.	Standard Buildings.....	57
2.	Other Buildings.....	57
3.	Notices	58
4.	High Voltage Switch Rooms (Above 1 Kv)	58
5.	Low Voltage Switch Rooms (Below 1 Kv).....	59
6.	Transformer Rooms Other Than In Standard Buildings	59
7.	Generator Rooms Other Than In Standard Buildings.....	59
8.	Cables	60
9.	Covering And Sealing Of Cable Trenches	60
B.14	Overhead Electrical Transmission Lines.....	61
1	General	61
2.	Statutory Requirements	61
3.	Relevant Sans Specifications	61
4.	Standard Departmental Specifications	62
5.	Notices And Precautions.....	62
6.	Pegging The Route	62
7.	Line Impulse Level	62
8.	Line Configuration	62
9.	Poles	63
10.	Cross-Arms.....	63
11.	Insulators And Fittings	64
12.	Conductors	64
13.	Conductor Terminations	65
14.	Stays.....	66
15.	Earthing Of Structures.....	66
16.	Earth Wire On Lv Systems.....	67
17.	Lightning Arresters	67
18.	Fuse-Links	68
19.	Transformer Mountings	68
20.	Substation Earth	68
21.	Anti-Climbing Devices	68
22.	Cradles	69
23.	Danger Notices (Lightning Sign)	69
24.	Excavations	69
25.	Samples.....	69
B.15	Inspections, Testing, Commissioning And Handing Over.....	70
1.	Physical Inspection Procedure.....	70
2.	Testing And Operational Inspection Procedure	70
3.	"As Built" Drawings	70

Index

C.1	Conduit And Conduit Accessories	1
1.	General	1
2.	Screwed Conduit.....	1
3.	Metal Conduit Accessories	1
4.	Circular Type Boxes.....	1
5.	Switch Boxes And Socket Outlet Boxes	2
6.	Flexible Conduit	2
7.	Plain-End Metallic Conduit.....	2
8.	Non-Metallic Conduit.....	2
9.	Earth Clamps	2
C.2	Wiring Channels, Underfloor Ducting And Power Skirting	3
1.	Wiring Channels.....	3
2.	Underfloor Ducting	4
3.	Power Skirting	4
C.3	Cable Trays And Ladders.....	5
1.	Metal Cable Trays	5
2.	Cable Ladders.....	5
3.	Plastic Cable Trays	5
4.	Finishes.....	5
5.	Accessories.....	6
C.4	Pvc-Insulated Cables 600/1 000 V Grade	7
1.	General	7
2.	Construction.....	7
3.	Pvc-Sheathed Aluminium-Covered Cables	7
4.	Lengths	7
5.	Tests	7
C.5	Glands For Pvc-Insulated Cables.....	8
C.6	Cable Terminations And Joints.....	9
1.	Heat-Shrinkable Materials.....	9
2.	Resin Filled Joints	9
3.	Cable Joints Box	10
C.7	Paper-Insulated Cables	11
1.	General	11
2.	Construction.....	11
3.	Lengths	11
4.	Tests	11
C.8	Cable End Boxes And Compound.....	12
1.	Cable End Boxes	12
2.	Cable End Box Filling Compound	12
3.	Quantity.....	12
C.9	Wiring Terminals.....	13
C.10	Light Switches.....	14
1.	General	14
2.	Flush And Surface Mounted Switches	14
3.	Watertight Switches	14
4.	Ceiling Switches.....	14
5.	Cover Plates.....	14
C.11	Unswitched And Switched Socket-Outlets	15
1.	General	15
2.	Flush And Surface Mounted Switched Sockets.....	15
3.	Watertight Switched Sockets	15
4.	Unswitched Socket-Outlets.....	15
5.	Three-Phase Switched Socket-Outlets.....	15
6.	Shaver Sockets	16
C.12	Luminaires For Interior And Exterior Applications	17
C.12.1	Tubular Fluorescent Lamp Luminaires For Interior Applications.....	17

1.	Scope	17
2.	General	17
3.	Standards	17
4.	Physical And Environmental Requirements	17
5.	General Technical Requirements	18
6.	Photometric Data	19
7.	Technical Information	19
8.	Channel Luminaire	19
9.	Industrial Luminaires	20
10.	Decorative Luminaires	20
11.	Recessed Luminaires	20
12.	Low-Brightness Luminaires	20
13.	Low Glare Luminaires	20
14.	Luminaires For Use In Areas With Visual Display Terminals	21
C12.2	Prison Cell Luminaire	22
1.	Scope	22
2.	General	22
3.	Standards	22
4.	Physical And Environmental Requirements	22
5.	Construction	23
6.	Luminaire Performance	24
7.	Maintenance Requirements	24
8.	Photometric Data	24
9.	Technical Information	24
C12.3	Bulkhead Luminaires For Use With Compact Fluorescent Or Tungsten Filament Lamps For Interior And Exterior Applications	25
1.	Scope	25
2.	General	25
3.	Standards	25
4.	Physical And Environmental Requirements	25
5.	General Technical Requirements	26
6.	Photometric Data	28
7.	Technical Information	28
C12.4	Post Top Luminaires For Exterior Applications	29
1.	Scope	29
2.	General	29
3.	Standards	29
4.	Physical And Environmental Requirements	29
5.	General Technical Requirements	30
6.	Photometric Data	32
7.	Technical Information	32
C12.5	Security Luminaires For Use With Discharge Lamps Or Compact Fluorescent Lamps For Prison Applications	33
1.	Scope	33
2.	General	33
3.	Standards	33
4.	Physical And Environmental Requirements	33
5.	General Technical Requirements	34
6.	Construction	34
7.	Photometric Data	36
8.	Technical Information	36
C12.6	Street-Light Luminaires	37
1.	Scope	37
2.	General	37
3.	Standards	37

4.	Physical And Environmental Requirements.....	37
5.	General Technical Requirements	38
6.	Construction	38
7.	Electrical Supply	40
8.	Photometric Data	40
9.	Technical Information.....	40
C12.7	High Bay Luminaires	41
1.	Scope	41
2.	General	41
3.	Standards.....	41
4.	Physical And Environmental Requirements.....	41
5.	General Technical Requirements	42
6.	Construction	42
7.	Electrical Supply	44
8.	Photometric Data	44
9.	Technical Information.....	44
C12.8	Floodlight Luminaires	45
1.	Scope	45
2.	General	45
3.	Standards.....	45
4.	Physical And Environmental Requirements.....	45
5.	General Technical Requirements	46
6.	Light Distribution	48
7.	Photometric Data	48
8.	Technical Information.....	48
C12.9	Pendant Luminaires For Use With Compact Fluorescent Or Tungsten Filament Lamps For Interior Applications	49
1.	Scope	49
2.	General	49
3.	Standards.....	49
4.	Physical And Environmental Requirements.....	49
5.	General Technical Requirements	50
6.	Photometric Data	52
7.	Technical Information.....	52
C12.10	Infra-Red Energy Sources For Use In Poultry Applications	53
1.	Scope	53
2.	General	53
3.	Standards.....	53
4.	Physical And Environmental Requirements.....	53
5.	General Technical Requirements	53
6.	Construction	54
7.	Electrical Supply	55
8.	Technical Information.....	55
C12.11	Bulkhead Luminaires For Use With Discharge Lamps For Interior And Exterior Applications.....	56
1.	Scope	56
2.	General	56
3.	Standards.....	56
4.	Physical And Environmental Requirements.....	56
5.	General Technical Requirements	57
6.	Photometric Data	58
7.	Technical Information.....	59
C.13	Fixed Water Storage Heaters	60
C.14	Incinerators	62
1.	General	62
2.	Construction	62
3.	Maintenance.....	62
4.	Wiring	62
C.15	Busbars (Rising And Overhead For Voltages Up To 1 Kv)	63

1.	General	63
2.	Busbar Enclosure.....	63
3.	Paint Finish	63
4.	Busbars	63
5.	Earthing Of Metal Parts.....	66
6.	Bolts And Nuts	66
7.	Accessories And Connections	66
8.	Fused Take-Offs	66
9.	Fire Barriers	66
10.	Testing	66
C.16	Earthing Electrodes	69
1.	General	69
2.	Category And Type	69
3.	Couplings And Conductor Clamps.....	69
C.17	Switchboards (Up To 1 Kv).....	70
1.	General	70
2.	Construction Of Flush Mounted Switchboards	70
3.	Construction Of Surface Mounted Switchboards.....	71
4.	Construction Of Free Standing Switch Boards	71
5.	Construction Of Main Low Tension Switchboards	74
6.	Mounting Of Equipment	74
7.	Busbars In Switchboards	76
8.	Wiring	76
9.	Paint Finish	79
10.	Labelling.....	79
11.	Tests	80
12.	Drawings	80
C.18	Low Voltage Distribution Cubicles (Kiosks).....	82
1.	General	82
2.	Size	82
3.	Moisture And Vermin	82
4.	Ventilation	82
5.	Fibreglass Canopies	82
6.	Sheet Steel Canopies	83
7.	Cast Iron Kiosks.....	83
8.	Doors.....	84
9.	Equipment Support Frame.....	84
10.	Concrete Bases And Base Frames	85
11.	Busbars	85
12.	Wiring	85
13.	Mounting Of Equipment	85
14.	Access.....	86
15.	Labelling	86
16.	Notices	86
17.	Inspection.....	86
18.	Drawings	86
C.19	Metal Clad Air Circuit Breakers, Withdrawable Type	88
C.20	Moulded-Case Circuit-Breakers	90
C.21	Combination Fuse-Switch Units	91
C.22	Cartridge Fuses And Fuse Holders	92
1.	Types	92
2.	Standards.....	92
3.	Ratings	92
C.23	Direct Acting Indicating Instruments	94
1.	General Requirements	94
2.	Voltmeters And Voltmeter Selector Switches	94
3.	Ammeters	94
4.	Kilowatt-Hour Meters	95

5.	Frequency Meters	95
6.	Running Hour-Meters.....	96
C.24	Earth Leakage Relays	97
C.25	Micro-Gap Switches	98
C.26	Current Transformers	99
1.	General	99
2.	Ratings	99
3.	Accuracy Class	99
4.	Markings.....	99
5.	Fault Current	100
6.	Impulse Level	100
7.	Tests	100
C.27	Indicator Lights	101
C.28	Triple Pole On-Load Isolators.....	102
C.29	Rotary Cam Switches	103
C.30	Time Switches And Photocells	104
1.	General	104
2.	Construction	104
3.	Operating Conditions	104
4.	Technical Requirements	104
C.31	Contactors	105
C.32	Push-Buttons And Push-Button Assemblies	107
C.33	Indoor Surge Arrestors	108
C.34	Indoor Metal Clad Switchgear And Associated Equipment.....	109
1.	General	109
2.	Standards.....	109
4.	Service Conditions	109
4.	Switchgear Layout	110
5.	Circuit Breakers	110
6.	Non-Automatic Oil Switches And Fused Oil Switches	113
7.	Busbars	115
8.	Cable End Boxes	115
9.	Secondary Circuitry.....	115
10.	Cubicle Construction.....	116
11.	Current Transformers.....	117
12.	Voltage Transformers	117
13.	Protection Relays.....	118
14.	Instruments	118
15.	Auxiliary Equipment	118
16.	Dc Auxiliary Supplies	119
17.	Finish.....	120
18.	Labels.....	121
19.	Tests	121
20.	Oil And Compound.....	122
21.	Tools And Auxiliary Equipment.....	122
22.	Technical Information.....	122
23.	Drawings And Diagrams	122
24.	Completion	123
C.35	11 Kv Non-Automatic Oil Switches, Fused Oil Switches And Ring Main Units.....	124
1.	General	124
2.	Construction And Finish.....	124
3.	Mechanism.....	125
4.	Interlocks.....	125
5.	Cable Test Facilities.....	125
6.	Ratings	125
7.	Fuses	125
8.	Cable End Boxes	126
9.	Oil For Switches.....	126

10.	Unit Combinations.....	126
11.	Labels.....	126
12.	Inspection And Tests	127
13.	Technical Information.....	127
14.	Completion	127
C.36	Distribution Transformers	128
1.	General	128
2.	Power Ratings.....	128
3.	Breathing.....	128
4.	Constructional Details And Fittings	128
5.	Bushings And Cable Boxes	128
6.	Cable Box Filling Compound	129
7.	Terminals For Three-Phase Transformers	129
8.	Current Transformers.....	129
9.	Corrosion Protection	129
10.	Method Of Cooling	129
11.	Oil.....	130
12.	Technical Information.....	130
C.37	Miniature Substations	131
1.	General	131
2.	Constructional Requirements.....	131
3.	Concrete Plinth	132
4.	Base	132
5.	Doors.....	132
6.	High Voltage Compartment.....	133
7.	Transformer Compartment.....	133
8.	Low Voltage Compartment	133
9.	Notices	135
10.	Inspection.....	135
11.	Drawings	135
C.38	Insulators And Fittings For Overhead Lines	137
1.	General	137
2.	Hv Insulators	137
3.	Lv Insulators.....	138
4.	Stay Insulators	138
5.	Fittings.....	138
6.	Surge Diverters	139
C.39	Standard Paint Specification	141
1.	Finish Required	141
2.	Corrosion Resistance.....	141
3.	Edges	141
4.	Surface Preparation	141
5.	Baked Enamel Finish	141
6.	Powder Coated Finish (Not To Be Used Less Than 50km From Seaside)	141
7.	Touch-Up Paint	141
8.	Colours.....	142
C.40	Fibreglass Reinforced Polyester Lighting Poles.....	143
C.41	Galvanised Steel Lighting Poles.....	144
1.	General	144
2.	Standards.....	144
3.	Environmental Conditions	145
4.	Design Requirements	145
5.	Finishing	147
6.	Tests	147
7.	Delivery	149

PREVENTATIVE MAINTENANCE, SERVICING & REPAIRS OF ELECTRICAL INSTALLATION IN STATE BUILDINGS

**PART
C3.4
PROFORMA REPORTING SCHEDULES**

**CONTENT
S:**

	Pages
1. Sites Schedules	2
2. O & M documents	5
3. Job Card (Planned) & Travel Log	2
4. Job Card (Unplanned) & Travel Log	2

OPERATING AND MAINTENANCE MANUALS

The Contractor shall be responsible for the compilation of a complete set of as-built drawings, inventory list and Operating-and-Maintenance manuals.

This shall be done in accordance with the Additional Specification SB – Operating and Maintenance manuals.

Over and above what is specified in the Additional Specification – SB Operating and Maintenance manuals, the Operating and Maintenance Manual to be compiled shall be structured and shall at least include the following:

Description of installation

(a) Distribution boards and cabling

The complete system description of the distribution boards and cabling shall be done for each installation individually. The system description shall be presented in a tabular format and shall contain, but not be limited to the following:

Item	Distribution board description and location	Feed source	Type (Surface/ Recessed)	No of ways	Size and kA rating of main circuit breaker	Description of sub-distribution boards	Size and type of supply cable	Minimum kA rating of circuit breaker

(b) Lighting system

The complete system description of the lighting system shall be done for each installation individually. The system description shall be represented in a tabular format and shall contain, but not be limited to the following:

Item	Circuit description	Switching arrangement	Luminaire detail	Lamp detail

(c) Small power and fixed appliances

The complete system description of the small power and fixed appliances shall be done for each installation individually. The system description shall be represented in tabular format and shall contain, but not be limited to the following:

Item	Circuit description	Source and type of supply	Switching arrangement	Description of appliance	Location of appliance	Rating of appliance	Type and rating of isolating switch

(d) Earthing and lightning protection

The complete system description of the earthing and lightning protection system shall be done for each installation individually.

The system description shall be presented in tabular format and shall contain, but not be limited to the following:

Item	Type of installation	Quantity and positions of earth electrodes	Type and size of earth electrode	Size and type of conductors	Type of joint

RAB 03.02.02 Commissioning data

Complete commissioning, test and inspection data of all systems shall be provided for each building installation individually and shall comprise, but not be limited to the following:

(a) Distribution boards and cabling

Item	DB descr.	Maximum load			Meas. Instr.	Phase voltage				Earth leakage unit trip test			Earth bar resistance	Insulation resistance			
		Value (A)				Value (V)			Meas. Instr.	Value (mA)	Meas. Instr.						
		Red	White	Blue		Red	White	Blue		Unit 1	Unit 2		Value	Meas. Instr.	Cable Descr.	Value	Meas. Instr.

(b) Lighting system

Item	Description installation	Illumination levels		Luminaire type	Lamp				
		Value (Lux)	Measuring instrument		Type	Installation date	Starting current (A)	Running current (A)	Measuring instrument

(c) Small power and appliances

Item	Description of installation	Circuit description	Earthing provided (Yes/No)

(d) Earthing, bonding and lightning protection system

Item	Installation description	Earth electrode			Fixed appliances					
		Size and type	Resistance value ()	Meas. Instr	Description	Local isolator provided (Yes/ No)	Type and rating of local isolator	Appliance earthed (Yes/ No)	Earth continuity	Meas. instr

Operating data

The complete operating data for each installation system shall be provided and shall include, but not be limited to the following:

- (i) safety precautions to be implemented
- (ii) system operation
- (iii) system running check list and frequency of servicing required

PLANNED MAINTENANCE
JOB CARD

Service Date :

Place: Institution Location Service
description..... Contractor:
..... Telephone:.....

WORK EXECUTED DESCRIPTION

Use addendum if additional space is required. Attach the following documents : Monthly travel log sheet.

Artisan's Name:

Date of arrival: Time: Completion date: Time:

Actual hours worked on site: Signature of Artisan (Contractor) :

CONTRACTOR:

I HEREBY DECLARE THAT THE MAINTENANCE AND SERVICING ON THE INSTALLATION HAS BEEN SATISFACTORILY EXECUTED AND THAT ALL RECORDS HAVE BEEN UPDATED.

SIGNED BY THE CONTRACTOR

Date : Name : Signature :

CLIENT DEPARTMENT (To be completed by the designated officer)

I have personally checked that the Contractor worked on the Electrical installation on the date stated.
(However, I do not certify technical correctness)

Remarks :

Name : Rank : Date :

Signature: Telephone :

DEPARTMENTAL
STAMP PLEASE

Chief Works Manager

The Work or Service is certified as complete.

(Name)..... (Signature).....Date :

Confirmed by means of :

PLANNED MAINTENANCE

TRAVEL LOG

Travel Log for the period from (date) to (date)

Date	Origin	Destination	Distance (km)	Detail
Total distance travelled				

Date _____

Technician Name (Print)

Signature

UNPLANNED MAINTENANCE
JOB CARD

COMPLAINT NO.:

Place : Institution : Location : Service
 description : Contractor :
 Telephone :

WORK EXECUTED DESCRIPTION	
DESCRIPTION OF MATERIAL USED	QUANTITY
Travel : Brought forward from travel log	km

Use addendum if additional space is required. Attach the following documents : 1. Detailed vendor tax invoices for material. 2. Travel log sheet. 3. Time sheets.

Artisan's Name: Number of Labourers: No. of Semi Skilled..... Date
 of arrival: Time: Completion date: Time: Actual
 hours worked on site: Signature of Artisan (Contractor) :

CLIENT DEPARTMENT (To be completed by the complainant / designated officer)

I have personally checked and am satisfied that the complaint has been remedied. (However, I do not certify technical correctness)

Remarks :

Name: Rank: Date: Telephone:

Signature:

DEPARTMENTAL
STAMP PLEASE

Chief Works Manager

The Work or Service is certified as complete.

(Name)..... (Signature).....Date :

Confirmed by means of :

UNPLANNED
MAINTENANCE TRAVEL
LOG

COMPLAINT NO.:

Travel Log

Date	Origin	Destination	Distance (km)	Detail
Total distance travelled				

Date

Technician Name (Print)

Signature

PRICING SCHEDULE/ BILL OF QUANTITIES

Bid no: GQET-25/26-015

Bid/ Project Description: QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS]

SCHEDULE NO 1: PRELIMINARY & GENERAL

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
1	<u>SCHEDULE NO 1</u>						
	<u>PRELIMINARY & GENERAL</u>						
	Conditions of Contract : Compliance with all contractual requirements and obligations in terms of the General Conditions of Contract the Contract Data						
	Conditions except as elsewhere measured :						
1.1	Fixed	sum			1		
1.2	Time related	months			12		
1.3	Value related	sum			0		
1.4	Surety, performance bond :						
1.4.1	Fixed	sum			1		
1.5	Insurance : Construction Works :						
1.5.1	Time related	months			12		
1.6	Insurance : Public Liability :						
1.6.1	Time related	months			12		
1.7	Insurance : Special Risks (SASRIA) :						
1.7.1	Time related	months			12		
1.8	Insurance : Occupational Compensation (COID) :						
1.8.1	Time related	months			1		
1.9	Construction programme compile, submit,maintain :						
1.9.1	Time related	months			0		
1.10	Preliminary & General: Balance of items :						
1.10.1	Fixed	sum			1		
1.11	Programme of the Works : Prepare, submit and maintain current. Facilities as specified or necessary for the duration of the contract including establishment at commencement and removal upon completion.	sum			1		
1.12	Admin facilities: Site instruction book,communications, etc	sum			1		
1.13	Signage	no			97		
	CARRIED FORWARD						

CARRIED FORWARD					
ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1 R C	Est. Use	AMOUNT A R C
BROUGHT FORWARD					
1.14	Occupational Health & Safety: Compliance with the requirements of the applicable Act including specified additional requirements.				
1.14.1	Safety Officer: Appoint	sum		1	
1.14.2	Prepare & submit Health & Safety plan	sum		1	
1.14.3	First Aid Kit: Supply & maintain	months		1	
1.15	Safety Meetings: Conduct & record proceedings, copy to Engineer	months		8	
1.16	Balance of safety related compliance	months		1	
1.17	Hazardous Material: Compliance with Occupational Health & Safety - Asbestos Regulations, 2001	facility		1	
1.18	Scaffolding: Compliance with Occupational Health and Safety - Construction Regulations, 2003	facility		33	
	Supervision and management of the progress of the construction works including the attendance at meetings at the site with the Employer & or representatives as and when required.				
1.19	Supervision & Management				
1.19.1	Time Related	months		12	
1.20	Accommodation of tenant (Client) Departments				
1.20.1	Time Related	months		12	
1.21	Access control & identity of staff				
1.21.1	Time Related	months		12	
1.22	Rubbish & waste management				
1.22.1	Time Related	months		12	
1.23	Quality system				
1.23.1	Fixed	sum		0	
1.23.2	Time Related	months		0	
1.2.4	EPWP				
1.2.4.1	Time Related	Months		12	
1.2.4.2	Value Related	Sum		1	
CARRIED FORWARD TO SUMMARY					

SCHEDULE NO 2

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>SCHEDULE NO 2</u>						
2	<u>SITE WORKS</u>						
	<u>VERIFY EXISTING INSTALLATIONS</u>						
	<u>Inspect, test and report (including traveling costs):</u>						
2,1	Police Station Facilities (SAPS)	facility			46		
2,2	Magistrates Offices Facilities (DoJ&CD)	facility			34		
2,3	Correctional Services Facilities (DCS)	facility			10		
2,3	Defence Force Facilities (SADF)	facility			3		
2,4	Lablour Department & Others (SARS, NDPW, DAFF, Arts & Culture)	facility			7		
	<u>CONTRACTORS DRAWINGS AND</u>						
	<u>EQUIPMENT SPECIFICATIONS</u>						
	Contractor's drawings, designs and product information : Prepare and submit for approval prior to commencement of manufacture and installation						
2,5	Related to new components	sum			1		
2,6	Related to components altered or replaced	sum			1		
	<u>SUPPLY AUTHORITY</u>						
2.7	Arrange for switching of the high voltage supply with User Department and Supply Authority	item			1		
	<u>PRESSURE TEST</u>						
2.8	Pressure test MV cable-trace fault.	item			1		
	<u>LV CONDUCTOR</u>						
	Replace the following AAAC conductor. (LV)						
2.9	Mink	m			1		
2.10	Fox	m			1		
2.11	Squirrel	m			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
2.12	3 phase vertical strain - 1-60° strain	ea.			1		
2.13	3 phase vertical strain - 60-90° strain	ea.			1		
2.14	3 phase vertical strain - terminal.	ea.			1		
	<u>LV STAY</u>						
2.15	Replace an existing LV stay	ea.			1		
2.16	Replace an existing LV stay excluding stay plate, excavation, backfill and compaction.	ea.			1		
	<u>LV PHASE SEPARATORS</u>						
2.17	Provide and install LV phase separators.	ea.			1		
	<u>RETENTION CONDUCTORS</u>						
2.18	Mink, Fox or Squirrel per phase, per span (+- 45m).	ea.			1		
	<u>LOW VOLTAGE ARIAL BUNDLE CONDUCTOR CABLE OVERHEAD LINES</u>						
	Replace the following low voltage Aerial bundle conductor cable including stringing.						
2.19	95mm ² x4 core	m			1		
2.20	70mm ² x4 core	m			1		
2.21	35mm ² x4 core	m			1		
2.22	25mm ² x4 core	m			1		
	Low Voltage Aerial bundle conductor cable plus street light conductor						
2.23	95mm ² x5core	m			1		
2.24	70mm ² x5core	m			1		
2.25	35mm ² x5core	m			1		
	<u>LV ARIAL BUNDLE CONDUCTOR CABLE HARD WARE</u>						
	Replace a suspension bracket and clamp for the following Aerial bundle conductor plus street light conductor cable including suspension of cable:						
2.26	95mm ²	ea.			1		
2.27	70mm ²	ea.			1		
2.28	35mm ²	ea.			1		
	<u>CARRIED FORWARD</u>						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	Replace a termination bracket and strain wedge clamp for the following Aerial bundle conductor plus street light conductor cable including termination of cable.						
2.29	95mm ²	ea.			1		
2.30	70mm ²	ea.			1		
2.31	35mm ²	ea.			1		
	<u>LV ARIAL BUNDLE CABLE CONDUCTOR JOINTS</u>						
	Conductor joint set						
2.32	95mm ²	ea.			1		
2.33	70mm ²	ea.			1		
2.34	35mm ²	ea.			1		
	<u>TIDY EXISTING LV ARIAL BUNDLE CABLE CONDUCTOR</u>						
2.35	Tidy existing 35mm ² to 95mm ² Aerial bundle conductor installation	m			1		
	<u>AIRDAC CONDUCTOR</u>						
	Replace Airdac conductor cable						
2.36	16mm ²	m			1		
2.37	10mm ²	m			1		
2.38	4mm ²	m			1		
	<u>AIRDAC CONDUCTOR CABLE HARD WARE</u>						
	Replace Airdac cables including suspension of cable:						
2.39	4-16mm ²	ea.			1		
	clamp for Aerial bundle conductor plus street light conductor cable including termination of cable.						
2.40	16mm ²	ea.			1		
2.41	10mm ²	ea.			1		
2.42	4mm ²	ea.			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE-YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	<u>AIRDAC CABLE CONDUCTOR TERMINATIONS</u>						
	Replace Airdac cable termination						
2.43	16mm ²	ea.			1		
2.44	10mm ²	ea.			1		
2.45	4mm ²	ea.			1		
2.46	<u>POLES</u>						
	Replace treated wooden poles.						
2.47	11m 160 to 180mm top	ea.			1		
2.48	10m 160 to 180mm top	ea.			1		
2.49	9m 140 to 160mm top	ea.			1		
2.50	7m 100 to 120mm top	ea.			1		
	Remove existing pole and tidy.						
2.51	11m	ea.			1		
2.52	10m	ea.			1		
2.53	9m	ea.			1		
2.54	7m	ea.			1		
	<u>LV SUPPLY CABLE TERMINATIONS ONTO ABC CABLE</u>						
2.55	95mm ² x 4-core	ea.			1		
2.56	70mm ² x 4-core	ea.			1		
2.57	35mm ² x 4-core	ea.			1		
2.58	25mm ² x 4-core	ea.			1		
2.59	16mm ² x 4-core	ea.			1		
2.60	16mm ² x 3-core	ea.			1		
2.61	10mm ² x 4-core	ea.			1		
2.62	6mm ² x 4-core	ea.			1		
2.63	6mm ² x 3-core	ea.			1		
	<u>CARRIED FORWARD</u>						

ITEM	DESCRIPTION	UoM		Est. Use	AMOUNT	
					R	C
	<u>BROUGHT FORWARD</u>					
	<u>LV FEEDER CABLE TERMINATIONS</u>					
	Replace the following PVC/SWA/PVC cable (feeder cable) terminations onto an existing overhead line. Connection to circuit breaker in shroud or pole mounted box, etc. Circuit breaker in shroud measured elsewhere.					
2.64	70mm ² x 4-core	ea.		1		
2.65	50mm ² x 4-core	ea.		1		
2.66	35mm ² x 4-core	ea.		1		
2.67	25mm ² x 4-core	ea.		1		
2.68	16mm ² x 4-core	ea.		1		
2.69	16mm ² x 3-core	ea.		1		
2.70	10mm ² x 4-core	ea.		1		
2.71	10mm ² x 3-core	ea.		1		
2.72	6mm ² x 4-core	ea.		1		
2.73	6mm ² x 3-core	ea.		1		
2.74	16mm ² Airdac	ea.		1		
	<u>POLE MOUNTED CIRCUIT BREAKER SHROUD</u>					
2.75	excluding circuit breaker, including connection to over head line with IPC or PG clamps.	ea.		1		
	<u>REMOVE LV OVERHEAD LINE SPAN</u>					
2.76	Remove LV open conductor overhead line span (±40m three phase and street light).	ea.		1		
	<u>IPC CLAMPS</u>					
	Replace an existing IPC clamp					
2.77	70mm ² -95mm ²	ea.		1		
2.78	35mm ²	ea.		1		
	<u>PG CLAMPS</u>					
2.79	Replace bi-metal PG clamp including grease.	ea.		1		
2.80	Remove and service PG clamp including cleaning and tidying of cable cores.	ea.		1		
	CARRIED FORWARD					

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	<u>LOW VOLTAGE CABLE</u>						
	1000V PVC/SWA/PVC copper cables.						
2.81	120mm ² x 4-core	m			1		
2.82	95mm ² x 4-core	m			1		
2.83	70mm ² x 4-core	m			1		
2.84	50mm ² x 4-core	m			1		
2.85	35mm ² x 4-core	m			1		
2.86	25mm ² x 4-core	m			1		
2.87	16mm ² x 4-core	m			1		
2.88	16mm ² x 3-core	m			1		
2.89	10mm ² x 4-core	m			1		
2.90	10mm ² x 3-core	m			1		
2.91	6mm ² x 4-core	m			1		
2.92	6mm ² x 3-core	m			1		
2.93	4mm ² x 4-core	m			1		
2.94	4mm ² x 3-core	m			1		
2.95	2,5mm ² x 4-core	m			1		
2.96	2,5mm ² x 3-core	m			1		
2.97	1,5mm ² x 4-core	m			1		
2.98	1,5mm ² x 3-core	m			1		
	<u>LOW VOLTAGE CABLE TERMINATION</u>						
	Terminate 1 000V PVC/SWA/PVC cable						
2.99	120mm ² x 4-core	ea.			1		
2.100	95mm ² x 4-core	ea.			1		
2.101	70mm ² x 4-core	ea.			1		
2.102	50mm ² x 4-core	ea.			1		
2.103	35mm ² x 4-core	ea.			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
2.104	16mm ² x 4-core	ea.			1		
2.105	16mm ² x 3-core	ea.			1		
2.106	10mm ² x 4-core	ea.			1		
2.107	10mm ² x 3-core	ea.			1		
2.108	6mm ² x 4-core	ea.			1		
2.109	6mm ² x 3-core	ea.			1		
2.110	4mm ² x 4-core	ea.			1		
2.111	4mm ² x 3-core	ea.			1		
2.112	2,5mm ² x 4-core	ea.			1		
2.113	2,5mm ² x 3-core	ea.			1		
2.114	1,5mm ² x 4-core	ea.			1		
2.115	1,5mm ² x 3-core	ea.			1		
2.116	<u>LOW VOLTAGE CABLE JOINTS</u>						
2.117	Joint 1 000V PVC/SWA/PVC cables						
2.118	120mm ² x 4-core	ea.			1		
2.119	95mm ² x 4-core	ea.			1		
2.120	70mm ² x 4-core	ea.			1		
2.121	50mm ² x 4-core	ea.			1		
2.122	35mm ² x 4-core	ea.			1		
2.123	25mm ² x 4-core	ea.			1		
2.124	16mm ² x 4-core	ea.			1		
2.125	16mm ² x 3-core	ea.			1		
2.126	10mm ² x 4-core	ea.			1		
2.127	10mm ² x 3-core	ea.			1		
2.128	6mm ² x 4-core	ea.			1		
2.129	6mm ² x 3-core	ea.			1		
2.130	4mm ² x 4-core	ea.			1		
2.131	4mm ² x 3-core	ea.			1		
	<u>CARRIED FORWARD</u>						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
2.132	2,5mm ² x 4-core	ea.			1		
2.133	2,5mm ² x 3-core	ea.			1		
2.134	1,5mm ² x 4-core	ea.			1		
2.135	1,5mm ² x 3-core	ea.			1		
2.136	<u>DISCONNECT SUPPLY CABLE</u>						
	Switch off and disconnect the three or single phase supply cable.						
2.137	50mm ² -120mm ²	ea.			1		
2.138	16mm ² -35mm ²	ea.			1		
2.139	1,5mm ² -10mm ²	ea.			1		
	<u>CABLE PROTECTION KICKER PIPES</u>						
	2.5m long galvanised cable protection kicker pipe						
2.140	75mm dia	ea.			1		
2.141	50mm dia	ea.			1		
2.142	40mm dia	ea.			1		
2.143	32mm dia	ea.			1		
2.144	25mm dia	ea.			1		
2.145	20mm dia	ea.			1		
	<u>EARTHING</u>						
2.146	Test transformer earth submit an earth reading.	ea.			1		
2.147	1,5m earth electrode, depth of 600mm below final ground level.	ea.			1		
2.148	70mm sq. earth wire with earth electrodes.	m			1		
	<u>BARE COPPER EARTH WIRES</u>						
	Provide and install bare copper earth wires through cable sleeves						
2.149	70mm ²	m			1		
2.150	50 mm ²	m			1		
2.151	35 mm ²	m			1		
2.152	25 mm ²	m			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
2.153	16 mm ²	m			1		
2.154	10 mm ²	m			1		
2.155	6 mm ²	m			1		
2.156	4 mm ²	m			1		
	<u>CABLE TRENCHES</u>						
	Excavate and back-fill cable trenches, 300mm wide x 650mm deep.						
2.157	Earth (Pickable)	m			1		
2.158	Soft rock (Pneumatic)	m			1		
2.159	Hard rock (Blasting)	m			1		
2.160	Soft soil backfilling material	cub m			1		
2.161	Excavate and open existing LV cables.	m			1		
2.162	Price for excavation to remove an existing 7 to 11m pole.	m			1		
	<u>CABLE MARKER TAPE</u>						
2.163	Cable marker tape above cables.	m			1		
	<u>CONFIRM EXISTING CABLE ROUTE</u>						
2.164	Confirm MV or LV supply cable route and position with a thumper / cable detector.	Hr			1		
	<u>CONFIRM CABLE FAULT</u>						
2.165	Confirm the position of a cable and cable fault on an MV or LV cable.	Hr			1		
	<u>PVC SLEEVES</u>						
	The following sleeves -black of the KABELFLEX type.						
2.166	160mm dia	m			1		
2.167	110mm dia	m			1		
2.168	75mm dia	m			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	<u>SLOW BENDS</u>						
	Slow bends through a wall and floor.						
2.169	110mm dia PVC. slow bends.	ea.			1		
2.170	75mm dia PVC slow bends.	ea.			1		
2.171	50mm dia PVC slow bends.	ea.			1		
2.172	40mm dia PVC slow bends.	ea.			1		
2.173	32mm dia PVC slow bends.	ea.			1		
2.174	25mm dia PVC slow bends.	ea.			1		
	<u>SEAL CABLE SLEEVES</u>						
2.175	Seal off cable sleeve ends.	ea.			1		
	<u>CUT EXISTING BRANCHES TO CLEAR OVERHEAD LINES</u>						
	Cut the following branches to clear overhead lines.						
2.176	Branches up to 100mm dia.	ea.			1		
2.177	Branches up to 200mm dia.	ea.			1		
2.178	Branches up to 300mm dia.	ea.			1		
2.179	Branches above 300mm dia.	ea.			1		
	<u>DISTRIBUTION KIOSK</u>						
	Distribution kiosks complete without switchgear						
2.180	outdoor, ventilated, fibre glass distribution kiosk ±600mm x 600mm x 350mm deep including	ea.			1		
2.181	glass distribution kiosk ±1000mm x 600mm x 350mm deep including fibre glass plinth. .	ea.			1		
2.182	outdoor, fibre glass distribution kiosk ±1000mm x 1000mm x 350mm deep including	ea.			1		
2.183	mild steel distribution kiosk ±600mm x 600mm x 350mm deep.	ea.			1		
2.184	outdoor, 2mm mild steel ventilated distribution kiosk ±1000mm x 600mm x 350mm deep.	ea.			1		
2.185	2mm mild steel baked ventilated distribution kiosk ±1000mm x 1000mm x 350mm deep.	ea.			1		
2.186	A steel reinforced concrete plinth for mild steel distribution kiosks 1200 x 600x 600mm deep.	ea.			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1 R C	Est. Use	AMOUNT A R C
	<u>BROUGHT FORWARD</u>				
	<u>SURFACE WALL MOUNTED DISTRIBUTION KIOSK/DISTRIBUTION BOARD</u>				
2.187	1000mm x 1000mm x 350mm, ventilated distribution kiosk.	ea.		1	
	<u>REPLACE EXISTING DISTRIBUTION KIOSK</u>				
2.188	existing distribution kiosk. Disconnect switchgear re-install into new distribution kiosk	ea.		1	
	<u>SERVICE AND TIDY EXISTING DISTRIBUTION KIOSK</u>				
2.189	Tidy, make safe and label	ea.		1	
2.190	distribution kiosk - e.g.1000mmx1000mmx350mm.	m ²		1	
2.191	Hasp and staple at a distribution kiosk.	ea.		1	
2.192	Key alike lock for a distribution kiosk. (Viro Type 50mm)	ea.		1	
	<u>METERING EQUIPMENT</u>				
2.193	An ABB Vision 5A electronic meter complete.	ea.		1	
	<u>STREET LIGHT CONTROL</u>				
2.194	Replace a street light control in a distribution kiosk or distribution board.	ea.		1	
2.195	Replace a street light installation timer.	ea.		1	
	<u>STREET LIGHT POLE</u>				
	Provide and install hot dipped galvanised streetlight poles.				
2.196	10m mounting height	item		1	
2.197	11m mounting height	item		1	
	<u>POLE CAPS</u>				
	Provide and install the pole caps.				
2.198	Pole cap for two streetlight fittings mounted horizontal.	ea		1	
2.199	Pole cap for a single streetlight fittings mounted at 15°	ea		1	
	CARRIED FORWARD				

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1 R C	Est. Use	AMOUNT A R C
	<u>BROUGHT FORWARD</u>				
	<u>STREETLIGHT POLE WIRING</u>				
2.200	Provide and install streetlight pole wiring.	ea		1	
	<u>EXCAVATION AND BACKFILLING FOR A STREET LIGHT POLE</u>				
2.201	light pole (+-1,5m). Back filling shall be compacted in 150mm layers.	ea		1	
	<u>CABLE MARKER</u>				
2.202	- 300mm high, 150mm x 150mm at the top and 250 x 250mm at the bottom.	ea		1	
	<u>GENERATOR PLINTH</u>				
2.203	Co-ordinate the generator plinth installation.	ea		1	
	CARRIED FORWARD TO SUMMARY				

SCHEDULE NO 3

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
3	<u>GENERAL ELECTRICAL INSTALLATION</u>						
	<u>DISTRIBUTION BOARDS</u>						
	<u>REPLACE AN EXISTING MAIN BOARD IN A FACILITY</u>						
3.1	R 0.00 to R 40 000.00 %	item			1		
3.2	R 40 001.00 to R 60 000.00 %	item			1		
3.3	R 60 001.00 to R 80 000.00 %	item			1		
3.4	R 80 001.00 to R 100 000.00 %	item			1		
3.5	R 100 001.00 to R 120 000.00 %	item			1		
3.6	R 120 001.00 to R 140 000.00 %	item			1		
3.7	R 140 001.00 to R 160 000.00 %	item			1		
	<u>REPLACE EXISTING DISTRIBUTION BOARD</u>						
	As above but for the following surface distribution boards:						
3.8	Up to 24 way 13mm	ea.			1		
3.9	Up to 36 way 13mm	ea.			1		
3.10	Up to 36 way 3-phase 13mm	ea.			1		
3.11	Up to 60 way 3-phase 13mm	ea.			1		
3.12	Up to 144 way 3-phase 13mm	ea.			1		
	<u>SURFACE BOARD ON EXISTING TRAY</u>						
	Price to replace or provide and install the following new surface distribution boards over an architrave frame or flush tray type distribution board.						
3.13	Up to 24 way 13mm	ea.			1		
3.14	Up to 36 way 13mm	ea.			1		
3.15	Up to 36 way 3-phase 13mm	ea.			1		
3.16	Up to 60 way 3-phase 13mm	ea.			1		
3.17	Up to 144 way 3-phase 13mm	ea.			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	<u>TIDY DISTRIBUTION BOARDS</u>						
3.18	Up to 24 way 13mm	ea.			1		
3.19	Up to 36 way 13mm	ea.			1		
3.20	Up to 36 way 3-phase 13mm	ea.			1		
3.21	Up to 60 way 3-phase 13mm	ea.			1		
3.22	Up to 144 way 3-phase 13mm	ea.			1		
	<u>READY BOARD</u>						
3.23	Ready board with three plugs, one light, earth leakage (main) and 2x 20A (plugs) circuit breakers.	ea.			1		
3.24	Ready board with three plugs, earth leakage (main), 1x10A (light) and 1x 20A (plugs) circuit breakers.	ea.			1		
3.25	Ready board with, earth leakage (main), 1x10A (light) and 1x 20A (plugs) circuit breakers.	ea.			1		
	<u>KIOSK / DB FRONT PANELS</u>						
3.26	Up to 24 way 13mm	ea.			1		
3.27	Up to 36 way 13mm	ea.			1		
3.28	Up to 36 way 3-phase 13mm	ea.			1		
3.29	Up to 60 way 3-phase 13mm	ea.			1		
3.30	Up to 144 way 3-phase 13mm	ea.			1		
	<u>CLEAN AND PAINT AN EXISTING DISTRIBUTION BOARD</u>						
3.31	Clean, sandpaper and spray paint an existing distribution board.	m ²			1		
	<u>HASP AND STAPLE</u>						
3.32	Hasp and staple at a distribution board.	ea.			1		
	<u>KEY-ALIKE LOCK</u>						
3.33	Key-alike lock for a distribution board. (50mm Viro Type)	ea.			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	<u>CHECK DISTRIBUTION BOARD EARTH</u>						
3.34	Check earthing at each distribution board and provide a written report.	ea.			1		
	<u>SWITCHGEAR</u>						
	Connect, test and commission the following switchgear. The installed switchgear shall match existing. All DB cover plates should close. (Safety).						
	<u>CIRCUIT BREAKERS</u>						
3.35	1A, 2A 1P 5kA - din rail or mini rail, Curve 2 - single space - 13mm	ea.			1		
3.36	5A to 25A 1P 5kA - din rail or mini rail, Curve 2 - single space - 13mm	ea.			1		
3.37	1-PHASE+NEUTRAL - 10A to 25A 5kA - din rail or mini rail, Curve 2 - single space - 26mm	ea.			1		
3.38	10A to 25A 2P 5kA - din rail or mini rail, Curve 2 - single space - 26mm	ea.			1		
3.39	10A to 25A 3P 5kA - din rail or mini rail, Curve 2 - single space - 39mm	ea.			1		
3.40	10A to 25A 1P 5kA - din rail or mini rail, Curve 1 - single space - 13mm	ea.			1		
3.41	10A to 25A 3P 5kA - din rail or mini rail, Curve 1 - single space - 39mm	ea.			1		
3.42	1A, 2A 1P 5kA - din rail or mini rail, Curve 2 - double space - 26mm	ea.			1		
3.43	5A to 63A 1P 5kA - din rail or mini rail, Curve 2 - double space - 26mm	ea.			1		
3.44	80A to 100A 1P 5kA - din rail or mini rail, Curve 2 - double space - 26mm	ea.			1		
3.45	10A to 63A 2P 5kA - din rail or mini rail, Curve 2 - double space - 52mm	ea.			1		
3.46	1-PHASE +NEUTRAL - 10A to 63A 5kA - din rail or mini rail, Curve 2 - double space - 52mm	ea.			1		
3.47	10A to 63A 3P 5kA - din rail or mini rail, Curve 2 - double space - 78mm	ea.			1		
3.48	80A 3P 5kA - din rail or mini rail, Curve 2 - double space - 78mm	ea.			1		
3.49	100A 3P 5kA - din rail or mini rail, Curve 2 - double space - 78mm	ea.			1		
	<u>CARRIED FORWARD</u>						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.50	10A to 63A 1P 5kA - din rail or mini rail, Curve 1 - double space - 26mm	ea.			1		
3.51	80A 1P 5kA - din rail or mini rail, Curve 1 - double space - 26mm	ea.			1		
3.52	10A to 63A 3P 5kA - din rail or mini rail, Curve 1 - double space - 78mm	ea.			1		
3.53	80A 3P 5kA - din rail or mini rail, Curve 1 - double space - 78mm	ea.			1		
3.54	100A 3P 5kA - din rail or mini rail, Curve 1 - double space - 78mm	ea.			1		
3.55	10A to 60A 1P 5kA - surface, Curve 2 - double space - 26mm	ea.			1		
3.56	70A to 100A 1P 5kA - surface, Curve 2 - double space - 26mm	ea.			1		
3.57	10A to 60A 3P 5kA - surface, Curve 2 - double space - 78mm	ea.			1		
3.58	70A & 80A 3P 5kA - surface, Curve 2 - double space - 78mm	ea.			1		
3.59	90A & 100A 3P 5kA - surface, Curve 2 - double space - 78mm	ea.			1		
3.60	10A to 60A 1P 5kA - surface, Curve 1 - double space - 26mm	ea.			1		
3.61	70A & 80A 1P 5kA - surface, Curve 1 - double space - 26mm	ea.			1		
3.62	90A & 100A 1P 5kA - surface, Curve 1 - double space - 26mm	ea.			1		
3.63	10A to 60A 3P 5kA - surface, Curve 1 - double space - 78mm	ea.			1		
3.64	70A & 80A 3P 5kA - surface, Curve 1 - double space - 78mm	ea.			1		
3.65	90A & 100A 3P 5kA - surface, Curve 1 - double space - 78mm	ea.			1		
3.66	10A to 60A 1P 10kA - mini rail, Curve 2 - double space - 26mm	ea.			1		
3.67	70A & 80A 1P 10kA - mini rail, Curve 2 - double space - 26mm	ea.			1		
3.68	1-PHASE +NEUTRAL - 10A to 60A 10kA - mini rail, Curve 2 - double space - 52mm	ea.			1		
3.69	10A to 60A 3P 10kA - mini rail, Curve 2 - double space - 78mm	ea.			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.70	70A & 80A 3P 10kA - mini rail, Curve 2 - double space - 78mm	ea.			1		
3.71	100A 3P 10kA - mini rail, Curve 2 - double space - 78mm	ea.			1		
3.72	10A to 60A 1P 10kA - mini rail, Curve 1 - double space - 26mm	ea.			1		
3.73	70A & 80A 1P 10kA - mini rail, Curve 1 - double space - 26mm	ea.			1		
3.74	10A to 60A 3P 10kA - mini rail, Curve 1 - double space - 78mm	ea.			1		
3.75	70 A to 100A 3P 10kA - mini rail, Curve 1 - double space - 78mm	ea.			1		
3.76	15A to 60A 1P 15kA - surface mounted thermal magnetic	ea			1		
3.77	70A to 100A 1P 15kA - surface mounted thermal magnetic	ea			1		
3.78	15A to 60A 3P 15kA - surface mounted thermal magnetic	ea			1		
3.79	70A to 100A 3P 15kA - surface mounted thermal magnetic	ea			1		
3.80	125A 3P 15kA - surface mounted thermal magnetic	ea			1		
3.81	150A to 160A 3P 15kA -surface mounted thermal magnetic	ea			1		
3.82	175A to 225A 3P 15kA - surface mounted thermal magnetic	ea			1		
3.83	300A 3P 20kA - surface mounted hydraulic magnetic	ea			1		
3.84	350A & 400A 3P 20kA - surface mounted hydraulic magnetic	ea			1		
3.85	450A & 500A 3P 20kA - surface mounted hydraulic magnetic	ea			1		
3.86	600A 3P 20kA - surface mounted hydraulic magnetic	ea			1		
3.87	15A to 60A 1P 25kA - thermal magnetic	ea			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.88	70A to 100A 1P 25kA - thermal magnetic	ea			1		
3.89	15A to 60A 3P 25kA - thermal magnetic	ea			1		
3.90	70A to 100A 3P 25kA - thermal magnetic	ea			1		
3.91	125A 3P 25kA - thermal magnetic	ea			1		
3.92	150A to 160A 3P 25kA - thermal magnetic	ea			1		
3.93	175A to 225A 3P 25kA - thermal magnetic	ea			1		
3.94	250A 3P 25kA - thermal magnetic	ea			1		
3.95	300A to 400A 3P 25kA - thermal magnetic	ea			1		
	25kA hydraulic magnetic surface mounted circuit breakers.						
3.96	15A to 60A 3P 25kA - hydraulic magnetic surface mounted circuit breakers.	ea			1		
3.97	70A to 100A 3P 25kA - hydraulic magnetic surface mounted circuit breakers.	ea			1		
3.98	125A 3P 25kA - hydraulic magnetic surface mounted circuit breakers.	ea			1		
3.99	150A 3P 25kA - hydraulic magnetic surface mounted circuit breakers.	ea			1		
3.100	160A to 200A 3P 25kA - hydraulic magnetic surface mounted circuit breakers.	ea			1		
3.101	225A 3P 25kA - hydraulic magnetic surface mounted circuit breakers.	ea			1		
3.102	250A 3P 25kA - hydraulic magnetic surface mounted circuit breakers.	ea			1		
3.103	300A to 630A, 35kA surface mounted adjustable circuit breakers.	ea			1		
3.104	400A to 800A, 35kA min surface mounted adjustable circuit breakers.	ea			1		
	<u>CIRCUIT BREAKER ACCESSORIES</u>						
	<u>CHANGE OVER CIRCUIT BREAKER ASSEMBLIES</u>						
	<u>CIRCUIT BREAKER AUXILIARY SWITCH</u>						
3.105	For 15A to 225A 15kA to 35kA circuit breakers e.g. CBI - F35D	ea.			1		
3.106	For 100A to 400A 25kA to 35kA circuit breakers e.g. CBI - K35D	ea.			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	<u>CIRCUIT BREAKER SOLENOID OPERATOR</u>						
3.107	For 15A to 225A 15kA to 35kA circuit breakers e.g. CBI - F35D	ea.			1		
3.108	For 100A to 400A 25kA to 35kA circuit breakers e.g. CBI - K35D	ea.			1		
	<u>MECHANICAL INTERLOCK AND BASE PLATE</u>						
3.109	For 15A to 225A 15kA to 35kA circuit breakers e.g. CBI - F35D	ea.			1		
3.110	For 100A to 400A 25kA to 35kA circuit breakers e.g. CBI - K35D	ea.			1		
	<u>CYLINDRICAL LOCK</u>						
3.111	A cylindrical lock with different key for a 100A to 400A 25kA to 35kA circuit breaker e.g. CBI - K35D	ea			1		
	<u>MOTORISED CHANGE OVER</u>						
3.112	125A 3-pole motorised changeover - SOCOMECA ATyS 3s type.	ea			1		
3.113	160A 3-pole motorised changeover - SOCOMECA ATyS 3s type.	ea			1		
3.114	250A 3-pole motorised changeover - SOCOMECA ATyS 3s type.	ea			1		
3.115	400A 3-pole motorised changeover - SOCOMECA ATyS 3s type.	ea			1		
3.116	630A 3-pole motorised changeover - SOCOMECA ATyS 3s type.	ea			1		
3.117	800A 3-pole motorised changeover - SOCOMECA ATyS 3s type.	ea			1		
	<u>ISOLATORS / SWITCH DISCONNECTORS</u>						
3.118	63A 2P 5kA - din or mini rail - single space 26mm	ea.			1		
3.119	63A 2P 5kA - din or mini rail - double space 52mm	ea.			1		
3.120	100A 2P 5kA - din or mini rail - double space 52mm	ea.			1		
3.121	63A 3P 5kA - din or mini rail - single space 39mm	ea.			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1 R C	Est. Use	AMOUNT A R C
	<u>BROUGHT FORWARD</u>				
3.122	63A 3P 5kA - din or mini rail - double space 78mm	ea.		30	
3.123	100A 3P 5kA - din or mini rail - double space 78mm	ea.		5	
3.124	60A 2P 10kA - din or mini rail - double space 52mm	ea.		5	
3.125	100A 2P 10kA - din or mini rail - double space 52mm	ea.		1	
3.126	60A 3P 10kA - din or mini rail - double space 78mm	ea.		5	
3.127	100A 3P 10kA - din or mini rail - double space 78mm	ea.		3	
3.128	250A 3P 20kA - surface mounted	ea		3	
3.129	300A 3P 20kA - surface mounted	ea		3	
3.130	400A 3P 20kA - surface mounted	ea		3	
3.131	450A 3P 20kA - surface mounted	ea		3	
3.132	500A 3P 20kA - surface mounted	ea		3	
3.133	600A 3P 20kA - surface mounted isolators/disconnectors.	ea		3	
	<u>PHOTO CELL BY-PASS SWITCH</u>				
3.134	5kA (Test switch) single space 13mm - din or mini rail mounted.	ea.		3	
3.135	5kA (Test switch) double space 26mm - din or mini rail mounted.	ea.		3	
3.136	10A, 1-Pole 5kA MCB (Test switch) double space 26mm - surface mounted in distribution board behind the front panel.	ea.		3	
	<u>EARTH LEAKAGE UNITS</u>				
3.137	30mA, three phase earth leakage 60A isolator type 5kA - single space 78mm.	ea.		1	
3.138	30mA, three phase earth leakage 80A isolator type 5kA - double space 117mm.	ea.		1	
3.139	30mA, single phase earth leakage 60A isolator type 5kA - single space 26mm.	ea.		3	
3.140	30mA, single phase earth leakage 60A/100A isolator type 5kA - double space 65mm.	ea.		3	
3.141	30mA, single phase earth leakage 20A circuit breaker type 5kA - single space 26mm.	ea.		3	
3.142	30mA, single phase earth leakage 20A circuit breaker type 5kA - double space 65mm.	ea.		3	
	CARRIED FORWARD				

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	<u>FUSES</u>						
	New din rail or mini rail mounted HRC fuse complete						
3.143	0 - 10A din rail or mini rail mounted HRC fuse.	ea.			15		
3.144	10-20A din rail or mini rail mounted HRC fuse.	ea.			5		
3.145	100A to 250A HRC fuse in an existing fused switch.	ea			5		
	Metering/control HRC fuse complete with base and fuse.						
3.146	6-10A	ea			25		
	Replace an existing metering/control HRC fuse						
3.147	6-10A	ea			10		
	<u>CIRCUIT BREAKER SPACE BLANK PLATES</u>						
3.148	Circuit breaker space blank plate.	ea.			100		
	<u>CONTACTORS</u>						
3.149	630A 3P AC3 rating - 2 x n/o & 2 x n/c aux. contact	ea.			1		
3.150	400 - 450A 3P AC3 rating - 2 x n/o & 2 x n/c aux. contact	ea.			1		
3.151	310 - 320A 3P AC3 rating - 2 x n/o & 2 x n/c aux. contact	ea.			1		
3.152	250 - 265A 3P AC3 rating - 2 x n/o & 2 x n/c aux. contact	ea.			1		
3.153	150A 3P AC3 rating - 2 x n/o & 2 x n/c aux. contact	ea.			1		
3.154	95 - 105A 3P AC3 rating - 2 x n/o & 2 x n/c aux. contact	ea.			5		
3.155	80-85 A 3P AC3 rating - 2 x n/o & 2 x n/c aux. contact	ea.			1		
3.156	60 - 65A 3P AC3 rating - 2 x n/o & 2 x n/c aux. contact	ea.			1		
3.157	30 - 32A 3P AC3 rating - 2 x n/o & 2 x n/c aux. contact	ea.			5		
3.158	20 - 25A 3P AC3 rating - 1 x n/o & 1 x n/c aux. contact	ea.			6		
	<u>CARRIED FORWARD</u>						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.159	15A - 16A 3P AC3 rating - 1 x n/o & 1 x n/c aux. contact	ea.			3		
3.160	10 - 12A 3P AC3 rating - 1 x n/o & 1 x n/c aux. contact	ea.			10		
3.161	60 - 65A 3P AC3 rating - 2 x n/o & 2 x n/c aux. contact	ea.			1		
3.162	30 - 32A 3P AC3 rating - 2 x n/o & 2 x n/c aux. contact	ea.			5		
3.163	20 - 25A 3P AC3 rating - 1 x n/o & 1 x n/c aux. contact	ea.			6		
3.164	15A - 16A 3P AC3 rating - 1 x n/o & 1 x n/c aux. contact	ea.			3		
3.165	10 - 12A 3P AC3 rating - 1 x n/o & 1 x n/c aux. contact	ea.			10		
3.166	10 - 20A 3P AC1 rating surface, mini rail or din rail mounted - 1 x n/o & 1 x n/c aux. contact	ea.			10		
	<u>CONTACTOR COILS</u>						
3.167	630A 3P	ea.			3		
3.168	400 - 450A	ea.			2		
3.169	310 - 320A 3P	ea.			2		
3.170	250 - 265A 3P	ea.			2		
3.171	150A 3P	ea.			2		
3.172	95 - 105A 3P	ea.			2		
3.173	80-85 A 3P	ea.			2		
3.174	60 - 65A 3P	ea.			2		
3.175	30 - 32A 3P	ea.			2		
3.176	20 - 25A 3P	ea.			2		
3.177	15A - 16A 3P	ea.			2		
3.178	10 - 12A 3P	ea.			2		
	<u>CONTACT KIT FOR CONTACTORS</u>						
3.179	630A 3P	ea.			2		
3.180	400 - 450A 3P	ea.			2		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.181	310 - 320A 3P	ea.			2		
3.182	250 - 265A 3P	ea.			2		
3.183	150A 3P	ea.			2		
3.184	95 - 105A 3P	ea.			2		
3.185	80-85 A 3P	ea.			2		
3.186	60 - 65A 3P	ea.			2		
	<u>THERMAL OVERLOAD RELAYS</u>						
	Thermal overload relay						
3.187	For contactors up to 16A (AC3)	ea.			1		
3.188	For contactors up to 40A (AC3)	ea.			1		
	<u>MECHANICAL INTERLOCK FOR CHANGE OVER CONTACTORS</u>						
	mechanical interlock						
3.189	0 - 50A	ea.			1		
3.190	90-125A	ea.			2		
3.191	160-800A	ea.			1		
	<u>TIMER</u>						
3.192	Rail mounted timer	ea.			6		
	<u>SURGE PROTECTION IN DISTRIBUTION BOARDS</u>						
3.193	Lightning protection surge arrester - 1P 5kA	ea			25		
3.194	Lightning protection surge arrester - 1P 20kA	ea			8		
	<u>kVA and kWh METERS</u>						
3.195	Three phase 40 - 100A surface mounted kVA meter	ea.			3		
3.196	Single phase 20 - 80A surface mounted kWh	ea.			10		
3.197	Three phase 40A - 100A surface mounted kWh	ea.			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.198	Single phase 65A rail mounted (1P+N) kWh	ea.			3		
3.199	Three phase 65A rail mounted (3P+N) kWh	ea.			1		
	<u>REPLACE METERING CURRENT TRANSFORMERS</u>						
3.200	Up to 650:5A	ea.			1		
3.201	Up to 500:5A	ea.			2		
3.202	Up to 300:5A	ea.			10		
3.203	Up to 100:5A	ea.			2		
	<u>INDICATING METERS IN KIOSKS/DISTRIBUTION BOARDS</u>						
3.204	Indicating AC volt meter	ea.			10		
3.205	Direct and maximum demand indicating AC ammeter	ea.			25		
3.206	DC volt meter	ea.			5		
3.207	Direct indicating DC ammeter (96x96).	ea.			5		
	<u>VOLT METER ROTARY SWITCH</u>						
3.208	7-way volt meter rotary switch	ea.			5		
	<u>TERMINAL BLOCKS</u>						
	Din rail mounted terminal blocks						
3.209	Terminal blocks up to 15A - 2.5mm ² wire p.m	ea.			50		
3.210	Terminal blocks up to 30A - 6mm ² wire p.m	ea.			25		
3.211	Terminal blocks up to 60A - 16mm ² wire p.m	ea.			10		
3.212	Terminal blocks up to 80A - 25mm ² wire p.m	ea.			5		
3.213	Terminal blocks up to 150A - 70mm ² wire p.m	ea.			5		
3.214	Terminal blocks up to 225A - 120mm ² wire p.m	ea.			5		
	<u>LEGEND CARD</u>						
3.215	Legend card to suit new circuits.	ea.			50		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	<u>AS BUILT DRAWINGS IN KIOSKS AND DISTRIBUTION BOARDS</u>						
3.216	A4 paper size "As Built"	ea.			80		
3.217	A3 paper size "As Built"	ea.			30		
3.218	<u>OUTLET POINT LAMINATED LABLE</u>						
3.219	New lable - minimum 9mm with 5mm letter height, Brother P-Touch	ea.			4000		
	<u>CONDUIT AND ACCESSORIES</u>						
3.220	32mm dia PVC conduit chased into a wall	m			20		
3.221	25mm dia PVC conduit chased into a wall.	m			30		
3.222	20mm dia PVC conduit chased into a wall.	m			50		
3.224	50mm dia PVC conduit surface in roof space.	m			25		
3.225	32mm dia PVC conduit surface in roof space.	m			25		
3.226	25mm dia PVC conduit surface in roof space.	m			30		
3.227	20mm dia PVC conduit surface in roof space.	m			200		
	conduit surface inside.						
3.228	32mm dia PVC conduit surface inside on wall etc.	m			10		
3.229	25mm dia PVC conduit surface inside on wall etc.	m			20		
3.230	20mm dia PVC conduit surface inside on wall etc.	m			35		
	Galvanised surface outside						
3.231	32mm dia galvanised conduit surface outside.	m			5		
3.232	25mm dia galvanised conduit surface outside.	m			10		
3.233	20mm dia galvanised conduit surface outside.	m			50		
	Slow bends for conduit						
3.234	32mm dia galvanised conduit slow bend in roof space.	ea			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.235	50mm dia PVC conduit slow bend in roof space.	ea			1		
3.236	32mm dia PVC conduit slow bend in roof space.	ea			1		
3.237	50mm dia PVC conduit slow bend chased into a wall and floor.	ea			1		
3.238	32mm dia PVC conduit slow bend chased into a wall and floor.	ea			1		
	2.5m long PVC flexible conduit						
3.239	32mm dia 2.5m long PVC flexible conduit connection including adaptors.	m			3		
3.240	25mm dia 2.5m long PVC flexible conduit connection including adaptors.	m			5		
3.241	20mm dia 2.5m long PVC flexible conduit connection including adaptors.	m			40		
3.242	2.5m long steel PVC coated flexible						
3.243	32mm dia 2.5m long steel PVC coated flexible conduit connection including adaptors.	ea			1		
3.244	25mm dia 2.5m long steel PVC coated flexible conduit connection including adaptors.	ea.			1		
3.245	20mm dia 2.5m long steel PVC coated flexible conduit connection including adaptors.	ea.			3		
	<u>CONDUIT BOXES</u>						
3.246	20 and 25mm dia round galvanised steel,1-4 way or back entry - chased into a wall	ea.			30		
3.247	100x50mm galvanised steel - chased into a wall	ea.			20		
3.248	100x100mm galvanised steel - chased into a wall	ea.			15		
3.249	20 and 25mm dia galvanised steel round box - in roof space	ea.			10		
3.250	100x50mm galvanised - in roof space	ea.			10		
3.251	100x100mm galvanised - in roof space	ea.			10		
3.252	150 x 150 x 100 mm galvanised with lid - in roof space	ea.			1		
3.253	200 x 200 x 100 mm galvanised with lid - in roof space	ea.			10		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.254	300 x 300 x 150 mm galvanised with lid - in roof space	ea.			2		
3.255	20 and 25mm dia galvanised steel round - installed surface.	ea.			10		
3.256	100x50mm galvanised - installed surface.	ea.			30		
3.257	100x100mm galvanised - installed surface.	ea.			30		
3.258	20 and 25mm dia round PVC - chased into a wall.	ea.			10		
3.259	100x50mm PVC - chased into a wall.	ea.			5		
3.260	100x100mm PVC - chased into a wall.	ea.			10		
3.261	20 and 25mm dia PVC round box - in roof space.	ea.			100		
3.262	100x50mm PVC - in roof space.	ea.			10		
3.263	100x100mm PVC - in roof space.	ea.			10		
3.264	20 and 25mm dia PVC round box - surface as draw box.	ea.			10		
3.265	100x50mm PVC - surface as draw box.	ea.			10		
3.266	100x100mm PVC - surface as draw box.	ea.			15		
	<u>EXTENSION BOXES</u>						
3.267	100 x 50 x 50mm - metal extension boxes.	ea.			15		
3.268	100 x 100 x 50mm - metal extension boxes.	ea.			15		
3.269	100 x 50 x 50mm PVC extension boxes	ea.			15		
3.270	100 x 100 x 50mm PVC extension boxes	ea.			15		
	<u>CONDUIT BOX COVER PLATES</u>						
3.271	Blank galvanised round box cover plates.	ea.			5		
3.272	Blank white or ivory round box cover plates.	ea.			15		
3.273	Blank PVC round box cover plates.	ea.			15		
3.274	Blank galvanised over size round box cover plates.	ea.			5		
3.275	Blank over size white or ivory round box cover plates.	ea.			5		
3.276	Blank PVC over size round box cover plates.	ea.			5		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.277	Blank 100x50 white or ivory cover plates PVC or steel.	ea.			10		
3.278	Blank 100x100 white or ivory cover plates PVC or steel.	ea.			15		
	<u>POWER SKIRTING AND POWER TRUNKING</u>						
	<u>METAL POWER SKIRTING</u>						
3.279	Single compartment P802 - installed on a wall.	m			10		
3.280	Two compartment P801 - installed on a wall	m			25		
3.281	Galvanised wiring duct P8000 in roof space	m			10		
3.282	Galvanised wiring duct P9000 in roof space.	m			10		
3.283	Galvanised P2000 wiring channel in roof space.	m			25		
	Replace an existing or provide and install the following new 90° flat elbow for the following:						
3.284	P802 90° flat elbow.	ea.			3		
3.285	P801 90° flat elbow.	ea.			3		
3.286	P8000 90° flat elbow.	ea.			3		
3.287	P9000 90° flat elbow.	ea.			3		
	Replace an existing or provide and install the following new 90° inner- or outer corner piece for the following metal power skirting or power trunking:						
3.288	P802 90° inner- or outer corner piece.	ea.			3		
3.289	P801 90° inner- or outer corner piece.	ea.			3		
3.290	P8000 90° inner- or outer corner piece	ea.			3		
3.291	P9000 90° inner- or outer corner piece.	ea.			3		
	Replace an existing or provide and install the following new end-caps for the following metal power skirting or power trunking:						
3.292	P802 end-caps.	ea.			5		
3.293	P801 end-caps.	ea.			5		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.294	P8000 end-caps.	ea.			5		
3.295	P9000 end-caps.	ea.			5		
	<u>PVC POWER SKIRTING</u>						
	Cabstrut Jupiter						
3.296	Single cover single compartment PVC (BD152).	m			50		
3.297	Two compartment, two cover PVC (BD162).	m			50		
	90° inner- or outer corner piece for the following PVC power skirting:						
3.298	Single cover single compartment PVC(BD152) 90° inner- or outer corner piece.	ea.			15		
3.300	Two compartment, two cover PVC (BD162) 90° inner- or outer corner piece.	ea.			15		
	end-caps						
3.301	Single cover single compartment PVC (BD152) end-caps.	ea.			10		
3.302	Two compartment, two cover PVC (BD162) end-caps.	ea.			10		
	<u>HOLES THROUGH WALLS FOR POWER SKIRTING</u>						
3.303	110mm brick wall	ea.			5		
3.304	220mm brick wall	ea.			2		
	<u>PVC DUCTING</u>						
3.305	YT1 ducting	m			180		
3.306	YT2 ducting	m			150		
3.307	YT3 ducting	m			180		
3.308	YT4 ducting	m			100		
3.309	YT5 ducting	m			10		
	End cap for PVC ducting						
3.310	End cap for YT1	ea.			45		
3.311	End cap for YT2	ea.			30		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.312	End cap for YT3	ea.			40		
3.313	End cap for YT4	ea.			25		
3.314	End cap for YT5	ea.			2		
	<u>CABLE TRAY</u>						
	surface mounted						
3.315	50mm in roof space or surface mounted.	m			75		
3.316	76mm in roof space or surface mounted.	m			75		
3.317	100mm in roof space or surface mounted.	m			75		
3.318	150mm in roof space or surface mounted.	m			40		
3.319	200mm in roof space or surface mounted.	m			40		
	<u>PVC INSULATED CONDUCTOR</u>						
3.320	35mm ² PVC conductors	m			150		
3.321	25mm ² PVC conductors	m			150		
3.322	16mm ² PVC conductors	m			700		
3.323	10mm ² PVC conductors	m			2000		
3.324	6mm ² PVC conductors	m			2000		
3.325	4mm ² PVC conductors	m			250		
3.326	2,5mm ² PVC conductors	m			5000		
3.327	1.5mm ² PVC conductors	m			4000		
	<u>BARE COPPER EARTH CONDUCTOR</u>						
3.328	25 mm ² bare copper earth conductors.	m			50		
3.329	16 mm ² bare copper earth conductors.	m			50		
3.330	10 mm ² bare copper earth conductors.	m			100		
3.331	6 mm ² bare copper earth conductors.	m			500		
3.332	4.0 mm ² bare copper earth conductors.	m			500		
3.333	2.5 mm ² bare copper earth conductors.	m			2000		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	<u>PVC INSULATED EARTH CONDUCTOR</u>						
3.334	10 mm ² PVC insulated earth conductor	m			50		
3.335	6 mm ² PVC insulated earth conductor	m			300		
3.336	4 mm ² PVC insulated earth conductor	m			50		
3.337	2.5 mm ² PVC insulated earth conductor	m			50		
	<u>DRAW WIRE</u>						
3.338	1,5mm ² rust proof draw wire	m			50		
3.339	2mm ² rust proof draw wire	m			50		
	<u>TRAILING CABLES</u>						
3.340	2.5mm ² x 4 core copper trailing cable.	m			250		
3.341	2.5mm ² x 7 core copper trailing cable	m			250		
3.342	4.0mm ² x 4 core copper trailing cable	m			25		
3.343	6.0mm ² x 3 core copper trailing cable	m			50		
3.344	10mm ² x 3 core copper trailing cable	m			30		
3.345	Gripper gland for a 2.5mm ² x 4 core trailing cable.	ea.			15		
3.346	Gripper gland for a 2.5mm ² x 7 core trailing cable.	ea			15		
3.347	Gripper gland for a 4.0mm ² x 4 core trailing cable.	ea.			3		
3.348	Gripper gland for a 6.0mm ² x 3 core trailing cable.	ea.			5		
3.349	Gripper gland for a 10mm ² x 3 core trailing cable.	ea.			3		
	<u>SCREENED WIRING</u>						
3.350	1,5mm ² x 2 core + E - Surfix	m			300		
3.351	1,5mm ² x 4 core + E - Surfix	m			50		
3.352	2,5mm ² x 2 core + E - Surfix	m			300		
3.353	2,5mm ² x 4 core + E - Surfix	m			50		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.354	4mm ² x 2 core + E - Surfix	m			100		
3.355	4mm ² x 4 core + E - Surfix	m			150		
3.356	Gripper gland for a 1,5mm ² x 2 core + E - Surfix cable.	ea			30		
3.357	Gripper gland for a 1,5mm ² x 4 core + E - Surfix cable.	ea			3		
3.358	Gripper gland for a 2,5mm ² x 2 core + E - Surfix cable.	ea			40		
3.359	Gripper gland for a 2,5mm ² x 4 core + E - Surfix cable.	ea			10		
3.360	Gripper gland for a 4mm ² x 2 core + E - Surfix cable.	ea			10		
3.361	Gripper gland for a 4mm ² x 4 core + E - Surfix cable.	ea			10		
	<u>FLAT TWIN AND EARTH WIRING</u>						
3.362	1,5mm ² x 2 core + E - twin and earth	m			200		
3.363	2,5mm ² x 2 core + E - twin and earth	m			200		
3.364	4mm ² x 2 core + E - twin and earth	m			200		
3.365	Gripper gland for 1,5mm ² x 2 core + E - twin and earth	ea.			15		
3.366	Gripper gland for 2,5mm ² x 2 core + E - twin and earth	ea.			30		
3.367	Gripper gland for 4mm ² x 2 core + E - twin and earth	ea.			10		
	<u>CABTYRE FLEX</u>						
3.368	1,0 mm ² x 3 core (2 + E) Cabtyre flex.	m			10		
3.369	1,5 mm ² x 3 core (2 + E) Cabtyre flex.	m			15		
3.370	1,5 mm ² x 5 core (4 + E) Cabtyre flex.	m			10		
3.371	2,5 mm ² x 3 core (2 + E) Cabtyre flex.	m			5		
3.372	2,5 mm ² x 5 core (4 + E) Cabtyre flex.	m			5		
3.373	2.5 mm ² x 7 core (6 + E) Cabtyre flex.	m			10		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1 R C	Est. Use	AMOUNT A R C
	<u>BROUGHT FORWARD</u>				
	<u>WELDING CABLE</u>				
3.374	95mm ² welding cable inside a distribution board.	m		15	
3.375	70mm ² welding cable inside a distribution board.	m		15	
3.376	50mm ² welding cable inside a distribution board.	m		15	
	<u>LIGHT FITTINGS</u>				
	Type A				
3.377	Fluorescent - 2 x 58W industrial type open channel (wings) - conventional ballast.	ea.		15	
	Type B				
3.378	Fluorescent - 2 x 58W industrial type open channel (wings) - electronic ballast.	ea.		10	
	Type C				
3.379	Fluorescent - 1x58W open channel - conventional ballast.	ea.		5	
	Type D				
3.380	Fluorescent 1x58W open channel - electronic ballast.	ea.		30	
	Type E				
3.381	Fluorescent - 2 x 58W open channel - conventional ballast.	ea.		10	
	Type F				
3.382	Fluorescent - 2 x 58W open channel - electronic ballast.	ea.		30	
	Type G				
3.383	Fluorescent - 1 x 36W open channel - conventional ballast.	ea.		10	
	Type H				
3.384	Fluorescent - 1 x 36W open channel - electronic ballast.	ea.		30	
	Type I				
3.385	Fluorescent - 2 x 36W open channel - conventional ballast.	ea.		10	
	Type J				
3.386	Fluorescent - 2 x 36W open channel - electronic ballast.	ea.		40	
	<u>CARRIED FORWARD</u>				

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	Type K						
3.387	Fluorescent - 1,5m - conventional ballasts and 2x58W cool white lamps.	ea.			5		
	Type L						
3.388	Fluorescent - 1,5m - electronic ballasts and 2x58W.	ea.			30		
	Type M						
3.389	Fluorescent - 1,2m - conventional ballasts and 2x36W.	ea.			5		
	Type N						
3.390	Fluorescent - 1,2m - electronic ballasts and 2x36W.	ea.			30		
	Type O						
3.391	Emergency fluorescent - 2 x 58W open channel - electronic ballasts.	ea.			10		
	Type P						
3.392	Emergency fluorescent - 2 x 36W open channel - electronic ballasts.	ea.			10		
	Type P.1						
3.393	Emergency fluorescent luminaire 2 x 10W - WACO.	ea.			2		
	Type Q						
3.394	Corrosion proof fluorescent - - water tight diffuser, conventional ballast, 2 x 58W.	ea.			1		
	Type R						
3.395	Corrosion proof fluorescent -, water tight diffuser, electronic ballast 2 x 58W.	ea.			5		
	Type S						
3.396	Corrosion proof fluorescent - water tight diffuser, conventional ballast, 1 x 58W.	ea.			5		
	Type T						
3.397	Corrosion proof fluorescent - water tight diffuser, electronic ballast, 1 x 58W.	ea.			2		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	Type U						
3.398	Corrosion proof fluorescent -, water tight diffuser, conventional ballast, 2 x 36W.	ea.			5		
	Type V						
3.399	Corrosion proof fluorescent - water tight diffuser, electronic ballast, 2 x 36W.	ea.			5		
	Type W						
3.400	Corrosion fluorescent -,water tight diffuser, conventional ballast, 1 x 36W.	ea.			1		
	Type X						
3.401	Corrosion proof fluorescent -, water tight diffuser, electronic ballast, 1 x 36W.	ea.			5		
	Type Y						
3.402	Flame proof fluorescent electronic ballasts, 2x36W.	ea.			5		
	Type AB						
3.403	Fluorescent - recessed 1200mmx600mm,low brightness diffuser, conventional ballast 3x36W.	ea.			5		
	Type AC						
3.404	Fluorescent - recessed 1200mmx600mm - low brightness diffuser, electronic ballast and 3x36W.	ea.			10		
	Type AD						
3.405	Fluorescent - recessed 600mmx600mm - low brightness diffuser, conventional ballast and 3x18W.	ea.			5		
	Type AE						
3.406	Fluorescent - recessed 600mmx600mm - low brightness diffuser, electronic ballast and 3x18W.	ea.			3		
	Type AF						
3.407	Fluorescent - recessed 1200mmx600mm - acrylic, prismatic diffuser, conventional ballast and 3x36W.	ea.			5		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	Type AG						
3.408	Fluorescent - recessed decorative 1200mmx600mm acrylic, prismatic diffuser, electronic ballast and 3x36W.	ea.			15		
	Type AH						
3.409	Fluorescent - recessed 1200mmx600mm - single parabolic white louvre - 12 cross blades, conventional ballast and 3x36W.	ea.			3		
	Type AI						
3.410	Fluorescent - recessed 1200mmx600mm - single parabolic white louvre - 12 cross blades, electronic ballast and 3x36W.	ea.			3		
	Type AJ						
3.411	Fluorescent - recessed 600mmx600mm - single parabolic white louvre - 6 cross blades, conventional ballast and 3x18W.	ea.			3		
	Type AK						
3.412	Fluorescent - recessed 600mmx600mm - single parabolic white louvre - 6 cross blades, electronic ballast and 3x18W.	ea.			3		
	Type AL						
3.413	Fluorescent - surface mounted - low brightness diffuser, conventional ballast, 2x58W.	ea.			3		
	Type AM						
3.414	Fluorescent - surface mounted - low brightness diffuser, electronic ballast, 2x58W.	ea.			15		
	Type AN						
3.415	Fluorescent - surface mounted - low brightness diffuser, conventional ballast, 3x36W.	ea.			3		
	Type AO						
3.416	Fluorescent - surface mounted - low brightness diffuser, electronic ballast, 3x36W.	ea.			10		
	Type AP						
3.417	Fluorescent - surface mounted - acrylic prismatic diffuser, conventional ballast, 2x58W.	ea.			3		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	Type AQ						
3.418	Fluorescent - surface mounted - acrylic prismatic diffuser, electronic ballast, 2x58W.	ea.			10		
	Type AR						
3.419	Fluorescent - surface mounted - acrylic prismatic diffuser, conventional ballast, 3x36W.	ea.			3		
	Type AS						
3.420	Fluorescent - surface mounted - acrylic prismatic diffuser, electronic ballast, 3x36W.	ea.			5		
	Type AT						
3.421	Fluorescent - surface mounted - acrylic prismatic diffuser, conventional ballast, 2x36W.	ea.			3		
	Type AU						
3.422	Fluorescent - surface mounted - acrylic prismatic diffuser, electronic ballast, 2x36W.	ea.			10		
	Type AV						
3.423	Bowl type 200 dia glass IP55 bathroom fitting 20W energy saving BC/ES lamp.	ea.			3		
	Type AW						
3.424	Bowl type 150, polycarbonate 13W energy saving BC/ES lamp.	ea.			3		
	Type AX						
3.425	Bowl type polycarbonate 200, 20W energy saving.	ea.			5		
	Type AY						
3.426	Bowl type open bowl 150 dia polycarbonate bathroom fitting 13W energy saving	ea.			10		
	Type AZ						
3.427	Bowl type open bowl 200 dia polycarbonate bathroom fitting 20W energy saving	ea.			30		
	Type BA						
3.428	Pendant. 1 light complete 13W, 15W or 20W energy saving BC/ES lamp.	ea.			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	Type BB						
3.429	Pendant 2 light 13W, 15W or 20W energy saving BC/ES lamps.	ea.			1		
	Type BC						
3.430	Pendant 3 light 13W, 15W or 20W energy saving BC/ES lamps.	ea.			1		
	Type BE						
3.431	Incandescent external water tight - bottle type glass 13W, 15W or 20W energy saving BC/ES lamp.	ea.			1		
	Type BF						
3.432	Bulkhead luminaire with 2xTC9W lamps, 2-ballasts,	ea.			3		
	Type BG						
3.433	Bulkhead luminaire with 1xTC-D 26W lamp,	ea.			40		
	Type BH						
3.434	Bulkhead wall mounted light fitting - type BEKA AZIMUTH 125W MV.	ea.			2		
	Type BI						
3.435	Bulkhead wall mounted light fitting - type BEKA AZIMUTH 2xTC-D 26W lamps.	ea.			3		
	Type BJ						
3.436	Bulkhead wall mounted, rectangular - opal diffuser - BEKA 41126 with TC-D 26W lamp.	ea.			10		
	Type BK						
3.437	Recessed downlighter - 1xTC-D 26W, 2m cord set including 5A 3-pin plug top.	ea.			2		
	Type BL						
3.438	Recessed downlighter - 2xTC-D 26W, 2m cord set including 5A 3-pin plug top.	ea.			5		
	Type BM						
3.439	Downlighter - 1 x 5W PL lamp - in the ceiling with 2m cord set including 5A 3-pin plug top.				1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1 R C	Est. Use	AMOUNT A R C
	<u>BROUGHT FORWARD</u>				
	Type BN				
3.440	Surface downlighter - 1xTC-D 26W compact fluorescent lamp.	ea.		1	
	Type BO				
3.441	Safe light - red surface (max 120x120mm) with 230V LED/s.	ea.		1	
	Type BP				
3.442	Emergency exit luminaire, charge indicating LED, 1x26W PL lamp.	ea.		3	
	Type BQ				
3.443	Infra red dark room, safe light. 15W 230V "Pearl" type pygmy ES lamp cord set - 5A 3-pin plug top.	ea.		1	
	Type BR				
3.444	Over door or ceiling mounted prism LED lamp.	ea.		2	
	Type BR.1				
3.445	Flood light wall mounted, 70W MH (external igniter).	ea.		1	
	Type BS				
3.446	Flood light wall mounted, 70W HPS (external igniter).	ea.		1	
	Type BT				
3.447	Flood light wall mounted, 100W metal halide lamp.	ea.		1	
	Type BT.1				
3.448	Flood light wall mounted, BEKAMAX-F-250W MH-T.	ea.		1	
	Type BU				
3.449	Flood light wall mounted, BEKAMAX-F-250W HPS/T.	ea.		1	
	Type BV				
3.450	Flood light pole or wall mounted, BEKABEAM-250W HPS/T.	ea.		1	
	CARRIED FORWARD				

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	Type BW						
3.451	Flood light pole or wall mounted, BEKABEAM-400W HPS/T.	ea.			5		
	Type BX						
3.452	Flood light pole or wall mounted, BEKABEAM-250W MH-T.	ea.			1		
	Type BX.1						
3.453	Flood light pole or wall mounted, BEKABEAM-400W MH-T.	ea.			2		
	Type CB						
3.454	Post top BEKARAY 100W MH.	ea.			1		
	Type CD						
3.455	Post top BEKARAY 70W HPS.	ea.			1		
	Type CE						
3.456	Post top BEKARAY 100W HPS.	ea.			5		
	Type CE.1						
3.457	Post top area light of the BEKA BEKAWAY 100W MH type. Pole measured elsewhere.	ea.			1		
	Type CF						
3.458	Post top BEKAWAY 70W HPS.	ea.			1		
	Type CG						
3.459	Post top BEKAWAY 100W HPS.	ea.			1		
	Type CH.1						
3.460	Streetlight, bottom or side entry - BEKALUX 70W MH/MCB or ILM-SL-AP-70MH-BE-SE-MCB.	ea.			1		
	Type CI						
3.461	Streetlight, bottom or side entry - BEKALUX 70W HPS/T-MCB or ILM-SL-AP-70HPS/T-BE-SE-MCB.	ea.			1		
	Type CI.1						
3.462	Streetlight, bottom or side entry - BEKALUX 100W MH/MCB or ILM-SL-AP-100MH-BE-SE-MCB.	ea.			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	Type CJ						
3.463	Streetlight, bottom or side entry - BEKALUX 100W HPS/T-MCB or ILM-SL-AP-100HPS/T-BE-SE-MCB.	ea.			1		
	Type CJ.1						
3.464	Streetlight, bottom or side entry - BEKASTRADA SUPRA 250W MH-T/MCB.	ea.			3		
	Type CK						
3.465	Streetlight, bottom or side entry - BEKASTRADA SUPRA 250W HPS/T-MCB.	ea.			5		
3.466	Streetlight, bottom or side entry - BEKASTRADA SUPRA 400W MH-T/MCB.	ea.			1		
	Type CL						
3.467	Streetlight, bottom or side entry - BEKASTRADA SUPRA 400W HPS/T-MCB.	ea.			1		
	<u>MAKE LIGHT OUTLET POINTS SAFE</u>						
3.468	Remove an existing light fitting make safe.	ea.			15		
	<u>ADDITIONAL SUPPORT</u>						
3.469	Provide an additional wooden support in the roof..	ea.			20		
	<u>DISCHARGE EMERGENCY FITTING BATTERIES</u>						
3.470	Discharge and recharge existing emergency light fitting batteries.	item			15		
	<u>AREA LIGHT POLE</u>						
3.471	Fibreglass reinforced polyester pole 3,5m mounting height (4,1m)	ea.			5		
	<u>12M SCISSORS MAST POLE</u>						
3.472	12 meter hot dip galvanised - allow for the mounting of 3x400W flood lights.	item			2		
	<u>BASE FOR SCISSORS MAST</u>						
3.473	Flanged planting piece and base plate.	item			2		
3.474	Concrete base for the 12 meter scissors mast including a 1.5m 76 dia PVC sleeve.	item			2		
	<u>CARRIED FORWARD</u>						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	<u>LUMINAIRE AND LAMP MAINTENANCE</u>						
	<u>LIGHT FITTING SPARES</u>						
3.475	Porcelain or fiber glass gallery 84,5mm	ea.			1		
3.476	Porcelain or fiber glass gallery 99mm	ea.			1		
3.477	200mm bowl,	ea.			3		
3.478	150mm bowl.	ea.			5		
3.479	200mm bowl.	ea.			3		
3.480	200mm open bowl.	ea.			3		
3.481	150mm open bowl.	ea.			3		
3.482	200mm open bowl.	ea.			15		
3.483	ES brass lamp holder - all types.	ea.			5		
3.484	SES brass lamp holder	ea.			2		
3.485	BC brass lamp holder.	ea.			2		
3.486	BC or ES Porcelain lamp holder.	ea.			3		
3.487	Opal dome diffuser - Beka series 30	ea.			10		
	<u>EMERGENCY FLUORESCENT BATTERY</u>						
3.488	5' or 4' emergency fluorescent fitting battery (1 hour @ 20%).	ea.			5		
3.489	Replace a battery pack for a WACO type 2 x 10W fluorescent emergency light fitting.	ea.			1		
	<u>LAMPS</u>						
3.490	120W 24V halogen operating luminaire	ea.			3		
3.491	50W spot halogen lamp with integral metal reflector.	ea.			2		
3.492	50W/75W 12V pre-focused spot halogen lamp.	ea.			2		
3.493	40W BC/ES	ea.			25		
3.494	60W BC/ES	ea.			25		
3.495	100W BC/ES	ea.			500		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1 R C	Est. Use	AMOUNT A R C
	<u>BROUGHT FORWARD</u>				
3.496	150W BC/ES	ea.		10	
3.497	200W BC/ES	ea.		10	
3.498	500W GES (giant)	ea.		1	
3.499	15W BC/ES Pigmy	ea.		5	
3.500	40W & 60W SBC/ SES (small)	ea.		5	
3.501	40W & 60W BC/ES candle - (small)	ea.		5	
3.502	Fluorescent slimline 2,4m cool white.	ea.		2	
3.503	Fluorescent switch start 1,5m cool white.	ea.		100	
3.504	Fluorescent switch start 1,2m cool white.	ea.		150	
3.505	Fluorescent switch start 1,5m warm white.	ea.		10	
3.506	Fluorescent switch start 1,2m warm white.	ea.		10	
3.507	Fluorescent 1,5m colour 21 58W.	ea.		250	
3.508	Fluorescent 1,2m colour 36W.	ea.		300	
3.509	Fluorescent 0.6m colour 18W.	ea.		15	
3.510	Fluorescent PL9	ea.		10	
3.511	Fluorescent PL13	ea.		5	
3.512	Fluorescent PL18	ea.		10	
3.513	Fluorescent PL26	ea.		50	
3.514	PAR 38 - all types	ea.		2	
3.515	70W HPS	ea.		10	
3.516	100W HPS	ea.		5	
3.517	150W HPS/T	ea.		2	
3.518	250W HPS/T	ea.		10	
3.519	400W HPS/T	ea.		10	
3.520	160W Mercury blended	ea.		5	
3.521	250W Mercury blended	ea.		5	
3.522	80W HP Mercury vapour	ea.		3	
3.523	125W HP Mercury vapour	ea.		5	
	CARRIED FORWARD				

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.524	250W HP Mercury vapour	ea.			5		
3.525	400W HP Mercury vapour	ea.			5		
3.526	500W Quarts Halogen floodlight lamp.	ea.			3		
3.527	70W Metal halide MH-T	ea.			5		
3.528	100W Metal halide MH-T	ea.			10		
3.529	250W Metal halide MH-T	ea.			10		
3.530	400W Metal halide MH-T	ea.			3		
	<u>STARTER</u>						
3.531	FSU fluorescent lamp starter.	ea.			500		
	<u>BALLASTS</u>						
3.532	Switch start for 1 lamp 1,5m.	ea.			10		
3.533	Switch start for 1 lamp 1,2m.	ea.			10		
3.534	For PL9 lamp	ea.			1		
3.535	For PL11 & PL13 lamp	ea.			1		
3.536	For PL18 lamp	ea.			3		
3.537	For PL26 lamp	ea.			5		
3.538	For 70W HPS/T lamp	ea.			5		
3.539	For 150W HPS/T lamp	ea.			1		
3.540	For 250W HPS/T lamp	ea.			3		
3.541	For 400W HPS/T lamp	ea.			2		
3.542	For 80W HP Mercury Vapour lamp	ea.			1		
3.543	For 125W HP Mercury Vapour lamp	ea.			1		
3.544	For 250W HP Mercury Vapour lamp	ea.			1		
3.545	For 400W HP Mercury Vapour lamp	ea.			1		
3.546	250W Metal Halide	ea.			2		
3.547	400W Metal Halide	ea.			2		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1 R C	Est. Use	AMOUNT A R C
	<u>BROUGHT FORWARD</u>				
	<u>IGNITERS</u>				
3.548	For 70W HPS/T lamp	ea.		3	
3.549	For 150W HPS/T lamp	ea.		1	
3.550	For 250W HPS/T lamp	ea.		10	
3.551	For 400W HPS/T lamp	ea.		1	
3.552	For 250W Metal Halide lamp	ea.		1	
3.553	For 400W Metal Halide lamp	ea.		1	
	<u>CAPACITORS</u>				
3.554	12 MFD for 70W HPS lamp	ea.		1	
3.555	1 x 20MFD for 150W HPS lamp	ea.		1	
3.556	2 x 20MFD for 250W HPS lamp	ea.		1	
3.557	For 400W HPS lamp	ea.		1	
3.558	8MFD for 80W HP Mercury Vapour lamp	ea.		1	
3.559	For 125W HP Mercury Vapour lamp	ea.		1	
3.560	20MFD for 250W HP Mercury Vapour lamp	ea.		1	
3.561	For 400W HP Mercury Vapour lamp	ea.		1	
3.562	2 x 20MFD for 250W Metal Halide lamp	ea.		1	
3.563	2 x 20MFD for 400W Metal Halide lamp	ea.		1	
	<u>SWITCHES</u>				
3.564	16A single lever switch (Conduit box existing).	ea.		50	
3.565	16A two lever switch (Conduit box existing).	ea.		5	
3.566	16A three lever switch (Conduit box existing).	ea.		3	
3.567	16A four lever switch (Conduit box existing).	ea.		1	
3.568	16A two-way switch (Conduit box existing).	ea.		20	
3.569	16A intermediate switch (Conduit box existing).	ea.		3	
3.570	16A limit switch for darkroom film hopper protection.	ea.		1	
	CARRIED FORWARD				

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	<u>PULL SWITCH</u>						
3.571	Replace 16A pull switch	ea.			5		
3.572	Replace a canopy pull switch with nylon cord.	ea			5		
	<u>SURFACE INDUSTRIAL SWITCHES</u>						
3.573	16A single lever switch.	ea.			10		
3.574	16A two lever switch.	ea.			5		
	<u>DIMMER SWITCHES</u>						
	100 x 50mm flush draw box.						
3.575	1000W dimmer switch (Conduit box existing)	ea.			3		
3.576	2000W dimmer switch (Conduit box existing)	ea.			2		
3.577	1200W dimmer + 1x1 lever switch (Conduit box existing).	ea.			2		
	<u>WATER TIGHT SWITCHES</u>						
3.578	16A Water tight switch - silicon sealer	ea.			6		
	<u>DEVELOPMENT ROOM SWITCH</u>						
3.579	1 lever double pole switch.	ea.			1		
	<u>BELL PUSH</u>						
3.580	16A single lever bell push.	ea.			3		
	<u>TOGGLE SWITCH</u>						
3.581	20A single pole single throw toggle switch	ea.			3		
	<u>STOP LOCK</u>						
3.582	Industrial stop lock push button.	ea			1		
	<u>PHOTOCELL</u>						
3.583	16A, plug in day light switch.	ea.			10		
	<u>CARRIED FORWARD</u>						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.584	16A bracket mounted day light switch.	ea.			3		
3.585	Day light switch in bulkhead luminaire - dummy - Beka.	ea.			3		
	<u>SOCKET OUTLETS</u>						
	in existing draw box						
3.586	16A 3-pin single socket outlet in existing draw box	ea.			150		
3.587	16A 3-pin double socket outlet in existing draw box	ea.			100		
3.588	16A 3-pin single socket outlet with circuit breaker in existing draw box	ea.			5		
3.589	16A 3-pin dedicated single socket outlet in existing draw box	ea.			10		
3.590	16A 3-pin dedicated double in existing 100x100mm box,	ea.			5		
3.591	16A 3-pin single socket outlet in existing draw box	ea.			10		
3.592	5A 3-pin single unswitched socket outlet in a existing 50mm dia round box.	ea.			10		
	in power skirting						
3.593	16A 3-pin single socket outlet in power skirting	ea.			20		
3.594	16A 3-pin dedicated single socket outlet (D-pin - top) in power skirting	ea.			15		
3.595	16A 3-pin single socket outlet, double pole isolator switched in power skirting	ea.			3		
	<u>SURFACE INDUSTRIAL SWITCHED SOCKET OUTLETS</u>						
3.596	16A 3-pin single plug - industrial type	ea.			15		
3.597	16A 3-pin double plug - industrial type	ea.			10		
	<u>SOCKET OUTLET IN YORK BOX</u>						
3.598	Single socket outlet in a S15 York box.	ea			3		
	<u>CAPE TOWN COOKER PLUG UNIT</u>						
3.599	Cape Town cooker plug unit	ea.			3		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	<u>ISOLATOR SWITCHES</u>						
	<u>FLUSH ISOLATOR SWITCHES</u>						
3.600	60A 3P isolator in existing conduit box.	ea.			6		
3.601	60A 2P isolator in existing conduit box.	ea.			30		
3.602	30A 3P isolator in existing conduit box.	ea.			10		
3.603	30A 2P isolator in existing conduit box.	ea.			50		
3.604	30A 2P with cord grip for A/C / Heaters in existing conduit box.	ea.			20		
3.605	45A stove isolator with indication light in existing conduit box.	ea.			2		
3.606	30A 2P isolator in power skirting with or without cord grip.	ea.			10		
	<u>INDOOR SURFACE ISOLATOR SWITCHES</u>						
3.607	60A 3P surface isolator including box.	ea.			3		
3.608	60A 2P surface isolator including box.	ea.			10		
3.609	30A 3P surface isolator including box.	ea.			3		
3.610	30A 2P surface isolator including box.	ea.			1		
3.611	30A 2P with cord grip for A/C / Heaters - surface isolator including box.	ea.			10		
3.612	Stove isolator surface isolator including box.	ea.			2		
	<u>WATER TIGHT ISOLATOR SWITCHES</u>						
3.613	Water tight surface double pole - CLIPSAL 56SW232GY	ea.			3		
3.614	Water tight surface mounted 32A, 3-pole isolator - CLIPSAL 56SW332GY	ea.			3		
	<u>INDUSTRIAL SOCKET OUTLETS</u>						
3.615	32A 5-pole of the CLIPSAL LUMEX 75252-6 RED type (plus socket).	ea.			2		
3.616	63A 5-pole of the CLIPSAL LUMEX 75352-6 RED type (plus socket).	ea.			3		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1	Est. Use	AMOUNT A
			R C		R C
	<u>BROUGHT FORWARD</u>				
	<u>FLOOR MOUNTED PEDESTAL</u>				
3.617	2mm mild steel baked powder epoxy coated floor mounted pedestal 1200mm high	ea		1	
	<u>FLOOR BOX FOR SOCKET OUTLETS</u>				
3.618	Floor box - Cabstrut FD3 type including 2 x double 16A 3-pin socket outlet covers. Socket outlets measured elsewhere.	ea		2	
	<u>GEYSER MAINTENANCE</u>				
3.619	Thermostat.	ea.		10	
3.620	2kW immersion type element.	ea.		1	
3.621	3kW immersion type element.	ea.		1	
3.622	2kW porcelain sleeve type element.	ea.		1	
3.623	3kW porcelain sleeve type element.	ea.		1	
3.624	2kW hard water elements.	ea.		10	
3.625	3kW hard water elements.	ea.		10	
3.626	New thermostat sleeve.	ea.		2	
	<u>HAND DRYERS</u>				
3.627	Hand dryer - Stiebel Eltron heavy duty HTE5.	ea.		1	
	<u>GEYSER MAINTENANCE</u>				
3.628	Thermostat.	ea.		10	
3.629	2kW immersion type element.	ea.		10	
3.630	3kW immersion type element.	ea.		2	
3.631	2kW porcelain sleeve type element.	ea.		2	
3.632	3kW porcelain sleeve type element.	ea.		2	
3.633	2kW hard water elements.	ea.		10	
3.634	3kW hard water elements.	ea.		10	
3.635	New thermostat sleeve.	ea.		2	
	CARRIED FORWARD				

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1 R C	Est. Use	AMOUNT A R C
	<u>BROUGHT FORWARD</u>				
	<u>CONNECTION OF EQUIPMENT</u>				
	<u>CONNECTION OF GEYSERS</u>				
3.636	1 Phase geyser connection.	item		5	
3.637	3 Phase geyser connection.	item		2	
3.638	Wall mounted heater connection.	item		1	
	<u>EARTHING AND BONDING</u>				
3.639	Supply for ± 400 positions.	sum		1	
	<u>COMMISSIONING AND TESTING</u>				
3.640	Commissioning and testing for 24 months.	sum		1	
	<u>AS BUILT DRAWING INFORMATION</u>				
3.641	As built information per outlet point.	outlet point		3500	
	<u>COC CERTIFICATE</u>				
3.642	Issue COC certificate.	ea.		100	
	<u>PROBLEM REPORT FORM BOOKS</u>				
3.643	50 page A4 size duplicate Problem Report Form book.	ea.		25	
	<u>LOGBOOKS</u>				
3.644	50 page A4 size duplicate Logbook.	ea.		25	
	<u>JOB CARDS</u>				
3.645	Own supply of Job Cards (single page A4)	ea		500	
	<u>TRAINING OF DEPARTMENTAL TRAINEES</u>				
3.646	Training of Departmental trainees. One trainee per contractor's team.	day		50	
	<u>DEPARTMENTAL TRAINEE TOOLS</u>				
3.647	Three tear metal toolbox	ea		2	
3.647	Three tear metal toolbox	ea		2	
	CARRIED FORWARD				

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
3.647	Three tear metal toolbox	ea			2		
3.647	Three tear metal toolbox	ea			2		
3.647	Three tear metal toolbox	ea			2		
3.647	Three tear metal toolbox	ea			2		
3.647	Three tear metal toolbox	ea			2		
3.647	Three tear metal toolbox	ea			2		
3.647	Three tear metal toolbox	ea			2		
3.647	Three tear metal toolbox	ea			2		
3.647	Three tear metal toolbox	ea			2		
3.647	Three tear metal toolbox	ea			2		
3.647	Three tear metal toolbox	ea			2		
3.647	Three tear metal toolbox	ea			2		
3.647	Three tear metal toolbox	ea			2		
3.661	Digital clamp meter e.g. MAJORTECH 600V MODEL 2017	ea			2		
	CARRIED FORWARD						

SCHEDULE NO 4

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>SCHEDULE NO 4</u>						
4	<u>TRANSPORT COSTS</u>						
	<u>NOTE:</u>						
	and installations will be measures from the "Reference Location" identified						
	Also see Page 105 the map illustration						
4.1	Allow for travelling during the " Repair Work" with a (1) ton vehicle (Technician + Assistant)						
4.1.1	Zone 1: Cetral Post Office, Queenstown (Reference Location)	km			7500		
4.2	Type A (2Ton) vehicle travelling rates.	km			500		
4.3	Type B (4 Ton) vehicle travelling rates.	km			500		
4.4	Type B (8 Ton) vehicle travelling rates. (bucket track for pole installation)	km			500		
4.5	Use of a self-propelled cherry picker	day			40		
	CARRIED FORWARD TO SUMMARY						

SCHEDULE NO 5

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>SCHEDULE NO. 5</u>						
5	<u>PC AND PROVISIONAL AMOUNTS</u>						
	<u>MATERIALS AND INSTALLATION COST FOR NON-SCHEDULED ITEMS</u>						
5.1	<u>NON-SCHEDULED MATERIAL COST</u>						
5.1.1	Provisional amounts allowed to be used for minor repairs	sum	R 610,805.00		1	R 610,805.00	
5.1.2	Profit & attendance (e.g R 100,000.00 x %profit = amount)	%					
	<u>MAJOR SERVICE OF DISTRIBUTION BOARDS</u>						
	Also see Page 97-100 section 2.1 to 2.7						
5.2	Open covers and remove dusts (power to be isolated) and carry out thermal image tests (ANNUALLY)	sum			1		
5.3	Inspect and test operation of Earth leakage Unit, Circuit breakers, connections (BI-ANNUALLY)	sum			1		
5.4	Check to ensure all labeling is current and updated or replaced all missing labels (ANNUALLY)	sum			1		
	<u>MAJOR SERVICE OF LIGHTING SYSTEM</u>						
	Also see Page 97-100 section 2.1 to 2.7						
5.5	Inspect, check and test all control circuit for security lights & street lights to ensure all are lighting and are cleaned (ANNUALLY)	sum			1		
5.6	Inspect and check Kitchen lights ensure reflector or difusser all are cleaned (ANNUALLY)	sum			1		
	CARRIED FORWARD						

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>BROUGHT FORWARD</u>						
	<u>MAJOR SERVICE OF SMALL POWER AND FIXED APPLIANCES</u>						
	Also see Page 97-100 section 2.1 to 2.7						
5.7	Inspect all power outlets and verify earthing, Replaced faulty or damaged socket outlets and plugs, check earthing of fixed appliances and test for continuity. Check conditions and operation of local isolator and control switches for fixed equipment and replace if faulty or damaged or missing. (QUARTERLY)	sum			1		
5.8	Inspect cable and wire ways. Check regidity and fastening of the cable ducts, ladders, ducting, power skirting and surface conduiting, fasten or replace if loose or damaged, check earthing and test for continuity (QUARTERLY)	sum			1		
	<u>MAJOR SERVICE OF EARTHING AND LIGHTNING PROTECTION</u>						
	Also see Page 97-100 section 2.1 to 2.7						
5.9	Check earthing and bonding of outlets points, equipment, cable and wireways, fixed appliances, water and gas pipes. Check installation and termination of protective conductors and earth electrodes. (ANNUALLY)	sum			1		
5.10	Test for earth continuity. Provide 6 mm ² copper earth wire jumper between roof cladding and all gutter downpipes. Fasten with lugs and galvanised zinc bolts. Inspect earth bonding per house unit and connect 16mm ² green earth wire to 1,2m earth electrode by means of cadwelding if is missing or damaged. (ANNUALLY)	sum			1		
	CARRIED FORWARD TO SUMMARY						

SCHEDULE NO 6

ITEM	DESCRIPTION	UoM	ITEM PRICE- YEAR 1		Est. Use	AMOUNT A	
			R	C		R	C
	<u>SCHEDULE NO. 6</u>						
6	<u>DAY WORK AND NON-SCHEDULED ITEMS</u>						
	<u>DAY WORK</u>						
6.1	Supervisor	hour			250		
6.2	Electrician	hour			250		
6.3	Semi-skilled labourer	hour			250		
6.4	Labourer	hour			250		
	<u>NON-SCHEDULED ITEMS</u>						
	<u>SPECIALIST CONTRACTORS OR OTHER DISCIPLINES</u>						
	% claimed for assistance with non-scheduled work: Add % in " Estimated usage " column.						
6.5	R 0.00 to R 1000.00%	%			100		
6.6	R 1 001 to R 5 000.00%	%			50		
6.7	R 5 001 to R 10 000.00%	%			50		
6.8	R 10 001 to R 20 000.00%	%			30		
6.9	R 20 001 to R 40 000.00%	%			11		
6.10	R 40 001 to R 75 000.00%	%			15		
6.11	R 75 001 to R 100 000.00%	%			15		
6.12	R 100 001 to R 150 000.00%	%			15		
6.13	R 150 001 to R 200 000.00%	%			11		
6.14	R 200 001 to R 250 000.00%	%			8		
	Office address from where the contractor operates:						
							
							
							
	CARRIED FORWARD TO SUMMARY						

FINAL SUMMARY				
SECTION	DESCRIPTION		PAGE	AMOUNT
1	SCHEDULE NO 1	PRELIMINARY & GENERAL		
2	SCHEDULE NO 2	SITE WORKS		
3	SCHEDULE NO 3	GENERAL ELECTRICAL INSTALLATION		
4	SCHEDULE NO 4	TRANSPORT COSTS		
5	SCHEDULE NO 5	PC AND PROVISIONAL AMOUNTS		
6	SCHEDULE NO 6	DAY WORK AND NON- SCHEDULED ITEMS		
7	YEAR 1: TOTAL AMOUNT			
8	ADD: ESCALATION AMOUNT		5%	
9	YEAR 2: TOTAL AMOUNT (7 +8)			
10	ADD: ESCALATION AMOUNT		5%	
11	YEAR 3: TOTAL AMOUNT (9 +10)			
12	SUB-TOTAL (YEAR 1 + YEAR 2 + YEAR 3 = 7 + 9 + 11)			
13	VAT@15% (VAT ON ITEM 12)			
14	36 MONTH TOTAL (12 +13)			

**TOTAL PRICE (CARRIED FORWARD TO THE “FORM OF OFFER
AND ACCEPTANCE” C1.1)**

DRPW – 05 (EC) CONTRACT DATA

Project title:	QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS]		
Tender / Quotation no:	GQET-25/26-015	Closing date: Tuesday, 30 September 2025	Time: 11H00

	CONTRACT VARIABLES THE SCHEDULE (Contract Data [1.1.1.8]) The schedule is the listed variables in this agreement and contains all variables referred to in this document including specific changes made to GCC Third Edition (2015) documentation. It is divided into part 1: contract data completed by the employer and part 2: contract data completed by the contractor. Part 1 must be completed in full and included in the tender documents. Both the part 1 and part 2 form part of this agreement Spaces requiring information must be filled in, shown as 'not applicable' but not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets
--	---

	The Conditions of Contract applicable to this Contract are clauses 1 to 10 and contract price adjustment schedule of the GENERAL CONDITIONS OF CONTRACT FOR CONSTRUCTION WORKS, THIRD EDITION (2015) prepared by The South African Institution of Civil Engineering Private Bag X200, Halfway House, 1685. Contractors are cautioned to read the GCC Third Edition (2015) and Contract Data [DPW-05 (EC)] together as some clauses in the GCC Third Edition (2015) have been amended in the Contract Data [DPW-05 (EC)] Specific data, which together with these General Conditions of Contract, collectively describe the risks, liabilities and obligations of the contracting Parties and the procedures for the administration of the Contract. Clauses as amended in the Contract Data amends or replaces the corresponding clauses in the GCC Third Edition (2015). Copies of these conditions of contract may be obtained through www.saice.org.za.
--	--

PART 1: CONTRACT DATA COMPLETED BY THE EMPLOYER:

A PROJECT INFORMATION

A 1.0 Works [1.1.1.35]

Works description	Refer to document <i>PG01.1 (EC) – Scope of Works</i> for detailed description
QUEENSTOWN AREA: ELECTRICAL REPAIRS, INSTALLATIONS AND MAINTENANCE OF LOW VOLTAGE SYSTEMS WITHIN QUEENSTOWN AREA OF JURISDICTION FOR THE PERIOD OF 36 MONTHS]	

TENDER/ QUOTATION NO: GQET-25/26-015

A 2.0 Site [1.1.1.29]

Erf / stand number	
Site address	VARIOUS SITES
Township / Suburb	
City / Town	PORT ELIZABETH
Province	EASTERN CAPE
Local authority	
GPS Coordinates	

A 3.0 EMPLOYER AND ITS REPRESENTATIVE

A 3.1 Employer:

Official Name of Organ of State / Public Sector Body	Government of the Republic of South Africa in its Department of Public Works & Infrastructure		
Business registration number	Not applicable	VAT number	Not applicable
E-mail	Zubenathi.siganga@dpw.gov.za	Telephone	041 408 2042
Postal address	Private Bag X3913 North End Gqeberha 6056		
Physical address	Eben Donges Building, Cnr Robert and Hancock Street North End Gqeberha 6056		

A 3.2 Employer's representative:

Name	BONGIWE NDABA	Telephone number	041 408 2015
E-mail	Bongiwe.ndaba@dpw.gov.za	Mobile number	NONE
Postal address	Private Bag X3913 North End Gqeberha 6056		
Physical address	Eben Donges Building, Cnr Robert and Hancock Street North End Gqeberha 6056		

TENDER/ QUOTATION NO: GQET-25/26-015

A 4.0	Principal Agent [1.1.1.16]	Discipline	Project Manager
-------	----------------------------	------------	-----------------

Name	ZUBENATHI SIGANGA		
Legal entity of above		Contact person	ZUBENATHI SIGANGA
Practice number		Telephone number	041 408 2042
Country	South Africa	Mobile number	082 893 2236
E-mail	Zubenathi.siganga@dpw.gov.za		
Postal address	insert postal address insert suburb insert town insert postal code		
Physical address	insert physical address insert suburb insert town insert postal code		

A 5.0	Agent [1.1.1.16]	Discipline	
-------	------------------	------------	--

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
Country		Mobile number	
E-mail			
Postal address	insert postal address insert suburb insert town insert postal code		
Physical address	insert physical address insert suburb insert town insert postal code		

A 6.0	Agent [1.1.1.16]	Discipline	
-------	------------------	------------	--

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
Country		Mobile number	
E-mail			
Postal address	insert postal address insert suburb insert town insert postal code		
Physical address	insert physical address insert suburb insert town insert postal code		

TENDER/ QUOTATION NO: GQET-25/26-015

A 7.0	Agent [1.1.1.16]	Discipline	
-------	------------------	------------	--

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
Country		Mobile number	
E-mail			
Postal address	insert postal address insert suburb insert town insert postal code		
Physical address	insert physical address insert suburb insert town insert postal code		

A 8.0	Agent [1.1.1.16]	Discipline	
-------	------------------	------------	--

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
Country		Mobile number	
E-mail			
Postal address	insert postal address insert suburb insert town insert postal code		
Physical address	insert physical address insert suburb insert town insert postal code		

A 9.0	Agent [1.1.1.16]	Discipline	
-------	------------------	------------	--

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
Country		Mobile number	
E-mail			
Postal address	insert postal address insert suburb insert town insert postal code		
Physical address	insert physical address insert suburb insert town insert postal code		

TENDER/ QUOTATION NO: GQET-25/26-015

A 10.0	Agent [1.1.1.16]	Discipline	
--------	------------------	------------	--

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
Country		Mobile number	
E-mail			
Postal address	insert postal address insert suburb insert town insert postal code		
Physical address	insert physical address insert suburb insert town insert postal code		

A 11.0	Agent [1.1.1.16]	Discipline	
--------	------------------	------------	--

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
Country		Mobile number	
E-mail			
Postal address	insert postal address insert suburb insert town insert postal code		
Physical address	insert physical address insert suburb insert town insert postal code		

A 12.0	Agent [1.1.1.16]	Discipline	
--------	------------------	------------	--

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
Country		Mobile number	
E-mail			
Postal address	insert postal address insert suburb insert town insert postal code		
Physical address	insert physical address insert suburb insert town insert postal code		

TENDER/ QUOTATION NO: GQET-25/26-015

B CONTRACT INFORMATION

B 1.0 Definitions [1.1.1.2]

Bills of quantities: System/Method of measurement	SANS 1200
---	-----------

B 2.0 Law, regulations and notices [1.3.2]

Law applicable to the works, state country [1.3.2]	Law of the Republic of South Africa
--	-------------------------------------

B 3.0 Offer and acceptance [1.1.1.20]

Currency applicable to this agreement [1.1.1.20]	South African Rand
--	--------------------

B 4.0 Documents [1.1.1.7]

The original signed agreement is to be held by the principal agent [1.1.1.7], if not, indicate by whom	Employer
Number of copies of construction information issued to the contractor at no cost. (3 Copies of all relevant construction documentation – this to includes 1 priced Bills of Quantities and 2 unpriced Bills of Quantities)	3

Documents comprising the agreement	Page numbers
GCC GENERAL CONDITIONS OF CONTRACT FOR CONSTRUCTION WORKS, THIRD EDITION (2015)	
DPW-05: (EC): GCC 2015: 3RD EDITION	
The GCC General Preliminaries for use with the GCC 2015: 3RD EDITION	
Contract participation goal documentation as further defined in clause 1.1.1.37 [CD]	
Drawings as per drawing register issued with the tender	



Specifications issued with the tender	
Schedules issued with the tender	
Bills of Quantities issued with the tender	
Addenda as issued during tender stage, if applicable	As issued

TENDER/ QUOTATION NO: GQET-25/26-015

B 5.0 Employer's agents [3.0]

Authority is delegated to the following agents to issue contract instructions and perform duties for specific aspects of the works [3.0] [3.2.3 [CD]]
Principal Agent <i>Zubenathi Siganga</i>
Principal agent's and agents' interest or involvement in the works other than a professional interest <i>Zubenathi Siganga</i>

B 6.0 Insurances [8.6]

Insurances by contractor NB: Insurances submitted must be issued by either an insurance company duly registered in terms of the Insurance Act [Long-Term Insurance Act, 1998 (Act 52 of 1998) or Short-Term Insurance Act, 1998 (Act 53 of 1998)] or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990). Insured amounts to include VAT.			
	New works [8.6.1.1.1] With a deductible not exceeding 5% of each and every claim	Contract sum plus 10%	Not Applicable
Or	Works with practical completion in sections with a deductible not exceeding 5% of each and every claim	Contract sum plus 10%	Not Applicable



Or	Works with alterations and additions (reinstatement value of existing structures with or including new works) With a deductible not exceeding 5% of each and every claim	Contract sum plus 10%	Not Applicable
	Direct contractors [8.6.1.1.2] where applicable, to be included in the contract works insurance	R Eng / PQS to determine value	Not Applicable
	Sub-Contractors insurance [8.6.3] where applicable, if not included in works insurance	R Eng / PQS to determine value	Not Applicable
	Professional fees not included in the Contract Price, payable in respect of the repair or reinstatement of damage to the Works or said movables, plus Escalation thereon (if not included above). Minimum R1m unless other amount indicated. [8.6.1.1.3]	R Eng / PQS to determine value	Not Applicable
	Free issue where applicable, to be included in the contract works insurance	R Eng / PQS to determine value	Not Applicable

TENDER/ QUOTATION NO: GQET-25/26-015

Public liability insurance [8.6.1.3]]	R 5 000 000	Applicable
Ground support insurance [8.6.1.4]	R Eng / PQS to determine value	Not Applicable
Other insurances		
Hi Risk Insurance when the project is being executed in a geological area classified as a "High Risk Area [8.6.8[CD]]	R Eng / PQS to determine value	Not Applicable
Other insurances: If applicable, description 1:	R Eng / PQS to determine value	Not Applicable
Other insurances; If applicable, description 2:	R Eng / PQS to determine value	Not Applicable

B 7.0 Obligations of the employer

Existing premises will be in use and occupied [5.4.1 & 5.4.2]	Not Applicable
If applicable, description:	
Restriction of working hours [5.8]	Not Applicable
If applicable, description:	
Natural features and known services to be preserved by the contractor [4.7]	Not Applicable



If applicable, description:			
Restrictions to the site or areas that the contractor may not occupy [5.4.1 & 5.4.2]			Not Applicable
If applicable, description:			
Supply of free issue of material and goods [8.6.1.1.2]	Amount	R	Not Applicable
If applicable, description:			

TENDER/ QUOTATION NO: GQET-25/26-015

B 8.0 Subcontractors [4.4]

Select	If applicable, description of specialisation
Specialisation 1	
Specialisation 2	
Specialisation 3	
Specialisation 4	
Specialisation 5	

B 9.0 Description of different portions of the works, if applicable [5.14.7]

Select	If applicable, description of sections
Section 1	
Section 2	
Section 3	
Section 4	
Section 5	
Section 6	
Remainder of the works.	

B 10.0 Contract period [B18: 1.2], Construction period [B18: 1.1], Possession of site [5.4.1], Practical Completion [1.1.1.14, 5.14.1], Completion (Final Approval Certificate) [5.16.1] and Penalties [5.13]

B 10.1 Contract Period

Contract period: Period in months as indicated, include the time from the date of award (commencement date [5.2.1]) for submitting contractual obligatory documents, submission of Health & Safety Plan and approval, period for obtaining the Construction Permit (if applicable), the Construction Period and the Defect Liability Period up to and including Final Completion	
The contract period is determined as follows (Period/s indicated in months):	
Period to submit contractual obligatory documents including submission and approval of health and safety plan by the appointed Health & Safety Agent	21 Days
Period to obtain Construction Permit from Department of Labour upon approval of the Health & Safety Plan by the appointed Health & Safety Agent	n/a

TENDER/ QUOTATION NO: GQET-25/26-015

Total construction period for the Works as a whole up to and including Practical Completion, as indicated below [1.1.1.14, 5.14.1]	36 Months
Period to achieve Completion [5.14.4]	36 Months
Defect liability period up to and including issuing Final Approval Certificate in months [5.16.1]	3
Total Contract Period	36 Months
Penalty amount per calendar day for late submission of contractual obligatory documents: Ten percent (10%) of the penalty amount per calendar day for late Practical Completion, excluding VAT. [5.13]	R 500.00

B10.2 Construction Period for completion of the Works as a whole

Construction period [B18: 1.2] and Practical Completion for the Works as a whole [5.14.1] The time for achieving Practical Completion of the whole of the Works is measured from the date of possession of the site by the contractor inclusive of all public holidays, special non-working days and builders' holiday shut down periods.	Not Applicable
The date for practical completion for the works as a whole shall be the period in months as indicated, starting from the date of possession of the site by the contractor inclusive of all special non-working days and builders' holiday shut down periods [1.1.1.14, 5.4.1, 5.14.1]	36 Months
Notification period for inspection in working days by the principal agent.	
Penalty amount per calendar day for late Practical Completion, excluding VAT. [5.13].	R 500.00
Penalty amount per calendar day for late Completion [5.14.4, 5.13]: Thirty percent (30%) of penalty amount per calendar day for late Practical Completion, excluding VAT.	R 500.00

Penalty amount per calendar day for late Final Completion (Issuing of Final Approval Certificate) [5.16, 5.13]: Fifteen percent (15%) of penalty amount per calendar day for late Practical Completion, excluding VAT.	R 500.00
--	----------

B10.3 Construction Period for completion of the Works in portions

Construction period and Practical completion for portions of the Works [5.14.7]	Not Applicable					
Portions of the Works in sections:	1	2	3	4	5	6
Notification period for inspection by the principal agent in working days.						
The date for practical completion shall be the period in months as indicated from the date of possession of the site by the contractor [1.1.1.14, 5.14.1]						

TENDER/ QUOTATION NO: GQET-25/26-015

The date for practical completion for the whole of the Works, if applicable shall be the period in months as indicated from the date of possession of the site by the contractor inclusive of all public holidays, special non-working days and builders' holiday shut down periods [12.2.7; 24.1]	36 Months
Penalty for late Practical Completion, <i>if completion in sections is required</i> , excluding VAT [5.13]	
The penalty amount per day for failing to complete section 1 of the Works is:	R 500.00
The penalty amount per day for failing to complete section 2 of the Works is:	R 500.00
The penalty amount per day for failing to complete section 3 of the Works is:	R 500.00
The penalty amount per day for failing to complete section 4 of the Works is:	R 500.00
The penalty amount per day for failing to complete section 5 of the Works is:	R 500.00
The penalty amount per day for failing to complete section 6 of the Works is:	R 500.00
The penalty amount per day for failing to complete the whole of the Works, if applicable, is:	R 500.00
Penalty amount per calendar day for late Completion [5.14.4, 5.13]: To be calculated at Thirty percent (30%) of penalty / calendar day to complete the section, excluding VAT	
Penalty amount per calendar day for late Final Completion (Issuing of Final Approval Certificate) [5.16, 5.13]: To be calculated at Fifteen percent (15%) of penalty / calendar day to complete the section, excluding VAT	

B 11.0 Criteria to achieve Practical Completion [1.1.1.14, 5.14.1]

Criteria to achieve Practical Completion not covered in the definition of practical completion	
13.1	Obtain Occupation Certificate from the relevant authority prior to issuing the Practical Completion certificate
13.2	All relevant CoCs



13.3	All guarantees
13.4	Training on electrical, security and mechanical installations if contractually required
13.5	Maintenance / operating manuals
13.6	CPG and cidb BUILD programme achievement certificates submitted with substantiating documentation
13.7	
13.8	
13.9	
13.10	

TENDER/ QUOTATION NO: GQET-25/26-015

B 12.0 Defects liability period [5.16]

Defects liability period: Refer B10.1

Applicable	If applicable, description of applicable elements
14.1	All civil works (e.g. roads, storm water system, paving, sewer and water lines, etc.)
14.2	Mechanical equipment (e.g. pumps including switchgear, etc.)
14.3	Landscaping including automated systems (irrigation)
14.4	Electrical equipment (e.g. emergency generators, electronic switchgear, etc.)
14.5	Security system/s (e.g. Access control, Intruder alarm, etc.)
14.6	Air conditioning system and plant
14.7	
14.8	
14.9	
14.10	

B 13.0 Payment [6.10]

Date of month for issue of regular payment certificates Refer [6.10.1]	n/a
Contract price adjustment / cost fluctuations [6.8.2]	Not Applicable
If yes, method to calculate [6.8.2 [CD]]	Contract price adjustment factor
Employer shall pay the contractor within: Refer [6.10.4 [CD]]	Thirty (30) calendar days

B 14.0 Dispute resolution [10.5 [CD]]

Mediation	YES
Name of nominating body	Association of Arbitrators (Southern Africa)
Appointment of Mediator	State Attorney
Litigation	Court with Jurisdiction

TENDER/ QUOTATION NO: GQET-25/26-015

B 15.0 SPECIFIC CHANGES MADE TO GCC 2015: 3RD EDITION

CONTRACT SPECIFIC DATA	
The following contract specific data, referring to the General Conditions of Contract for Construction Works, Third Edition (2015) are applicable to this Contract:	
CLAUSES	COMPULSORY DATA
1.1.1.5	Amend Clause 1.1.1.5 as follows: 'Commencement Date' means the date of possession of site by the contractor.
1.1.1.8	Amend Clause 1.1.1.8 to include the word "rights" to read as follows: "Contract Data" means the specific data which, together with these General Conditions of Contract, collectively describe the rights, risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract.
1.1.1.13	Amend Clause 1.1.1.13 as follows, clarify when the defects liability period starts: "Defects Liability Period" means the period stated in the Contract Data, commencing on the date indicated on the Certificate of Completion for the works as a whole or Certificates of Completion in the event of more than one Certificate of Completion is issued for different parts of the Works, during which the Contractor has both the right and the obligation to make good defects in the materials, Plant and workmanship covered by the Contract. Defects Liability Period is: 12 months. The Defects Liability Period for the works shall commence on the calendar day following the date of the Certificate of Completion for the works as a whole or Certificates of Completion in the event of more than one Certificate of Completion is issued for different parts of the Works and end at midnight (00:00) three hundred and sixty five days (365) calendar days from the date of the Certificate of Completion.
1.1.1.15	The name of the Employer's Project Manager as appointed from time to time: Refer to A3.2
1.1.1.21.A	NEW CLAUSE INTEREST: The interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999) as amended, calculated as simple interest, in respect of debts owing to the State, and will be the rate as published by the Minister of Justice and Correctional Services from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No 55 of 1975) as amended, calculated as simple interest, in respect of debts owing by the State
1.1.1.27	This Pricing Strategy is a: Re-measurement Contract.
1.1.1.31	No Clause.
1.1.1.35	Insert the definition of "Value of Works" as Clause 1.1.1.35: "Value of Works" means the value of the Works certified by the Employer's Agent as having been satisfactorily executed and shall include the value of the works done, the value of the materials and/or plant and Contract Price Adjustments.

1.1.1.36	Insert the definition of “Latent and Patent Defects” as Clause 1.1.1.36: A 'latent defect' is a material defect, which was not visible after 'reasonable' inspection. The latent defect period commences at the date of Final Approval Certificate and ends 5 years [after that date [5.16.3]. A patent defect is a flaw that is not hidden and ought to be easily identified upon reasonable inspection.
1.1.1.37	Contract participation goal documentation are as indicated in the tender data document DPW 03 (EC): TENDER DATA.
1.2.3.	Replace Clause 1.2.3. with the following: The Employer's Agent is as indicated in clause B 5.0 and shall have the authority to act on behalf of the employer as indicated in the contract document read with the contract data. [3.2.3].
1.3.4	Not applicable to this Contract.
1.3.5	Replace Clause 1.3.5 with the following: The Employer will become the owner of the information, documents, advice, recommendation and reports collected, furnished and/or compiled by the Contractor during the course of, and for the purposes of executing this Contract, all of which will be handed over to the Employer on request during the contract, but in any event on completion of contract, the termination and/or cancellation of this Contract for whatever reason. The Contractor relinquishes its lien / retention or any other rights thereon to which it may be entitled. (b) The copyright of all documents, recommendations and reports compiled by the Contractor during the course of and for the purposes of finalizing the Works will vest in the Employer, and may not be reproduced or distributed or made available to any person outside the Employer's service, or to any institution in any way, without the prior written consent of the Employer. The Employer shall have the right to use such material for any other purpose without the approval of information or payment to the Contractor. (c) The copyright of all electronic aids, software programmes etc. prepared or developed in terms of the Contract shall vest in the Employer, who shall have the right to use such material for any other purpose without the approval of, information or payment to the Contractor.
	(d) In case of the Contractor providing documents, electronic aids, software programs or like material to the Employer, the development of which has not been at the expense of the Employer, copyright shall not vest in the Employer. The Contractor shall be required to indicate to which documents, electronic aids, software programs or like material this provision applies. (e) The Contractor hereby indemnifies the Employer against any action, claim, damages or legal cost that may be instituted against the Employer on the grounds of an alleged infringement of any copyright, patents or any other intellectual property right in connection with the Works outlined in this Contract. (f) All information, documents, recommendations, programs and reports collected or compiled must be regarded as confidential and may not be communicated or made available to any person outside the Employer's service and may not be published either during the currency of this Contract or after termination thereof without the prior written consent of the Employer.

TENDER/ QUOTATION NO: GQET-25/26-015

1.3.7	Replace Clause 1.3.7 with the following By entering into this contract, the Contractor waives any lien that he may have or acquire, notwithstanding any other condition/s in this contract.
3.2.3	1. The Employer's Principal Agent's authority to act and/or to execute functions or duties or to issue instructions are expressly excluded in respect of the following, unless same has been approved by the employer: (a) Appointment of Sub-contractors – clause 4.4.4; (b) Granting of an extension of time and/or ruling on claims associated with claims for extension of time – clauses 5.12, 10.1.5; (c) Rulings on claims and disputes – clauses 10.1.5, 10.2.3 and 10.3.3;

	(d) Suspension of the Works – clause 5.11.2; (e) Final Payment Certificate – clause 6.10.9; (f) Issuing of <i>mora</i> notices to the Contractor – clauses 9.1.1, 9.1.2.1 and 9.2.1; (g) Cancellation of the contract between the Employer and Contractor – clauses 9.1.1, 9.1.2.1 and 9.2.1. (h) Any variation orders – clause 6.3.1 2. In order to be legally binding and have legal bearing and consequence, any ruling in respect of the above matters (a) to (h) must be on an official document, signed and issued by the Employer to the Contractor. 3. The Contractor must submit claims, demands, notices, notifications, updated particulars and reports in writing, as well as any other supporting documentation pertaining thereto, in respect of any of the above listed matters (a) to (h), to the Employer's Agent within the time periods and in the format(s) as determined in the relevant clauses of the Conditions of Contract. Failing to deliver such to the Employer's Agent and in the correct format will invalidate any claim and the consequences of such failure will <i>mutatis mutandis</i> be as stated in clause 10.1.4. 4. Clauses 6.10.9 and 10.1.5 shall be amended as follows to indicate the limitation on the Employer's Agent authority in respect thereof: Clause 6.10.9 – Amend to read as follows: Within 14 days of the date of final approval as stated in the Final Approval Certificate, the Contractor shall deliver to the Employer's Agent a final statement claiming final settlement of all moneys due to him (save in respect of matters in dispute, in terms of Clauses 10.3 to 10.11, and not yet resolved). The Employer's Agent shall within 14 days issue to the Contractor a Final Payment Certificate the amount of which shall be paid to the Contractor within 30 days of the date of such certificate, after which no further payments shall be due to the Contractor (save in respect of matters in dispute, in terms of Clauses 10.3 to 10.11 and not yet resolved). Clause 10.1.5 – Amend to read as follows: Unless otherwise provided in the Contract, the Employer shall, within 28 days after the Contractor has delivered his claim in terms of Clause 10.1.1 as read with Clause 10.1.2, deliver to the Contractor his written and adequately reasoned ruling on the claim (referring specifically to this Clause). The amount thereof, if any, allowed by the Employer shall be included to the credit of the Contractor in the next payment certificate. If no ruling has been made within the 28 days, as referred to in clause 10.1.5. or any extension thereof as agreed to by the parties, the claim shall be regarded as rejected by the Employer.
--	--

	5. Insert the following under 3.2.3: Provided that, notwithstanding any provisions to the contrary in the Contract, the Employer shall have the right to reverse and, should it deem it necessary, to amend any certificate, instruction, decision or valuation of the Employer's Agent and to issue a new one, and such certificate instruction, decisions or valuations shall for the purposes of the Contract be deemed to be issued by the Employer's Agent, provided that the Contractor shall be remunerated in the normal manner for work executed in good faith in terms of an instruction issued by the Employer's Agent and which has subsequently been rescinded.
3.3.2.1	Amend Clause 3.3.2.1 to insert the word "plant" to read as follows: Observe how the Works are carried out, examine and test materials, plant and workmanship, and receive from the Contractor such information as he shall reasonably require.
3.3.3.2	Amend Clause 3.3.3.2 to insert the word "plant" to reads as follows: Notwithstanding any authority assigned to him in terms of Clauses 3.3.2 and 3.3.4, failure by the Employer's Agent's Representative to disapprove of any work, workmanship, plant or materials shall not prejudice the power of the Employer's Agent's thereafter to disapprove thereof and exercise any of his powers in terms of the Contract in respect of thereof.
3.3.2.2.3 3.3.2.2.4	Add to Clause 3.3.2.2.3 and 3.3.2.2.4 the following: All oral communication must be reduced into writing to be binding on the parties.
4.4.4	Ref Clause 3.2.3
4.8.2.1	Amend Clause 4.8.2.1 to include the word "person", as follows: Makes available to the Employer, or to any such contractor, person or authority, any roads or ways for the maintenance of which the Contractor is responsible, or
4.8.2.2	Amend Clause 4.8.2.2 to include "Employer" and "contractors", as follows: Provides any other facility or service of whatsoever nature o the Employer or to any of the said contractors, persons or authorities,
4.12.3	Add to Clause 4.12.3 the following: All oral communication must be reduced into writing to be binding on the parties.
5.3.1	The documentation required before commencement with Works execution are: Health and Safety Plan to be provided within 14 calendar days from award (Ref Clause 4.3) Initial programme to be provided within 21 calendar days of handing over the site to the contractor (Ref Clause 5.6) Security (Ref Clause 6.2) Insurance (Ref Clause 8.6) <i>insert other requirements</i> insert other requirements insert other requirements
5.3.2	The time to submit the documentation required before commencement with Works execution is: 21 days.

TENDER/ QUOTATION NO: GQET-25/26-015

5.4.2	The access to, and possession of, the Site referred to in Clause 5.4.1 shall be <i>enter "exclusive" or "not exclusive"</i> to the Contractor. In the event of access to, and possession of, the Site is not exclusive to the Contractor, the following limitations apply: <i>Insert an exposition of limitation.</i>
5.8.1	The non-working days are: Saturdays and Sundays The special non-working days are: Public Holidays; The year-end break annually published by the BCCEI (Bargaining Council for the Civil Engineering Industry)
5.9.1	Amend Clause 5.9.1 as follows: On the Commencement Date, the Engineer shall deliver to the Contractor three (3) copies, at no cost to the Contractor, of the drawings and any instructions required for the commencement of the Works. The cost of any additional copies of such drawings and/or instructions, as may be required by the Contractor, will be for the account of the Contractor.
5.11.1	No Clause
5.11.2	Ref Clause 3.2.3
5.11.5	No Clause
5.11.6	No Clause
5.12	Ref Clause 3.2.3
5.12.2.2	Add the following to Clause 5.12.2.2 to read: "Abnormal climatic conditions means any weather conditions i.e. rain, wind, snow, frost, temperature (cold or heat) that are not in the norm for the area where the construction takes place and during which no work is possible on site"
5.13.1	Add the following to Clause 5.13.1: The penalty for failing to complete the Works: Refer to B10 CD
5.14.1	Amend the second paragraph of Clause 5.14.1 as follows: When the Works are about to reach the said stage, the Contractor shall, in writing, request a Certificate of Practical Completion and the Employer's Agent shall, within 14 days after receiving such request, issue to the Contractor a written list setting out the work to be completed to justify Practical Completion. Should the Employer's Agent not issue such a list within the 14 days, the Contractor shall notify the Employer accordingly. Should the Employer not issue such a list within 7 days of receipt of such notice, Practical Completion shall be deemed to have been achieved on the 14 th day after the contractor requested the Certificate of Practical Completion.
5.14.4	Add the following to Clause 5.14.4: Penalty for late due completion date will be 30% of penalty / calendar day. Penalty for late completion date will be 15% of penalty / calendar day.

TENDER/ QUOTATION NO: GQET-25/26-015

5.16.1	Amend Clause 5.16.1 by deleting the provision in the third paragraph of this clause.
5.16.2	Amend Clause 5.16.2 as follows: No certificate other than the Final Approval Certificate referred to in Clause 5.16.1 shall be deemed to constitute approval of the Works or shall be taken as an admission of the due performance of the Contract or any part thereof, nor of the accuracy of any claim made by the Contractor, nor shall any other certificate exclude or prejudice any of the powers of the Employer's Agent and/or the Employer.
5.16.3	The latent defect period for all works is: 5 years

6.2.1	The type of security for the due performance of the Contract, as selected by the Contractor in the Contract Data, must be delivered to the Employer.
6.2.3	Amend Clause 6.2.3 as follows: If the Contractor has selected a performance guarantee as security, he shall ensure that it remains valid and enforceable as required in terms of the Contract.
6.3.1	Add the following to the last paragraph "subject to obtaining approval from the Employer" (3.2.3)
6.5.1.2.3	The percentage allowance to cover overhead charges is: 33%, except on material cost where the percentage allowance is 10%.
6.8.2	When Contract Price Adjustment is applicable [B13] the value of payment certificates is to be adjusted by a Contract Price Adjustment Factor (CPAF): The value of the certificates issued shall be adjusted in accordance with the Contract Price Adjustment Factor with the following values: The value of "x" is 0.15. The values of the coefficients are: a = 0.25. (Labour) b = 0.3 (Contractor's equipment) c = 0.3 (Material) d = 0.15 (Fuel) The values of the coefficients for "Repair and Maintenance Project" (RAMP) contracts are: a = 0.35 (Labour) b = 0.20 (Contractor's equipment) c = 0.35 (Material) d = 0.10 (Fuel) The urban area nearest the Site is <i>insert name of urban area</i> . (Select urban area from Statistical News Release, P0141, Table A) The applicable industry for the Construction Material Price Index for materials / plant is <i>insert name of industry</i> . (Select the applicable industry from Statistical News Release, P0151.1, Tables 2,4,5) The area for the Producer Price Index for fuel is <i>insert name of area</i> . (Select the area from Statistical News Release, P0142.1, Table 1.) The base month is <i>insert month insert year</i> . (The month prior to the closing of the tender.)
6.8.3	Price adjustments for variations in the costs of special materials are not allowed.

TENDER/ QUOTATION NO: GQET-25/26-015

6.9.1	Replace Clause 6.9.1 with the following: "Plant and materials will only be certified and paid for upon furnishing proof of ownership by the contractor. Once paid, material and goods shall become the property of the Employer and shall not be removed from site without the written authority of the Employers Agent.
6.10.1	Add at end of Clause 6.10.1 The contractor shall provide the Employer's Agent every month, on dates as agreed between parties / instructed by the Principal Agent, with the following information: Monthly Local content report, EPWP / NYS payment register, labour reports and certified ID document of EPWP/ NYS beneficiaries, Contract between Contractor and EPWP/ NYS beneficiaries, attendance register. (if applicable) Tax Invoice Labour intensive report Contract participation goal reports
6.10.1.5	The percentage advance on materials not yet built into the Permanent Works is: 85 %.

6.10.3	The limit of retention money is dependent on the security to be provided by the Contractor in terms of Clause 6.2.1.
6.10.4	Replace “28 days” with “30 days” provided all required documents have been submitted and are correct in all respects.
6.10.5	Replace Clause 6.10.5 with the following: <u>In respect of contracts up to R2 million and in respect of contracts above R2 million where the Contractor elects a security by means of a 10% retention, 50% of the retention shall be released to the Contractor when the Employer’s Agent issues the Certificate of Completion in terms of clause 5.14.4. The remaining 50% of the retention shall be released in accordance with the provisions of the conditions of contract and will become due and payable when the Contractor becomes entitled, in terms of Clause 5.16.1, to receive the Final Approval Certificate.</u> <u>In respect of contracts above R2 million, where the Contractor elects a security by means of a cash deposit or fixed guarantee of 5% of the Contract Sum (excl. VAT) and a 5% retention of the Value of the Works (excl. VAT), the cash deposit or fixed guarantee, whichever is applicable, shall be refunded to the Contractor or return to the guarantor, respectively, when the Employer’s Agent issues the Certificate of Completion in terms of Clause 5.14.4. The 5% retention of the Value of the Works (excl. VAT) shall become due and payable when the Contractor becomes entitled, in terms of Clause 5.16.1, to receive the Final Approval Certificate.</u> <u>In respect of contracts above R2 million, where the Contractor elects a security by means of a cash deposit or a variable guarantee of 10% of the Contract Sum (excl. VAT), the cash deposit or the variable guarantee, whichever is applicable, will be reduced to 5% of the Value of the Works (excl. VAT) when the Employer’s Agent issues the Certificate of Completion in terms of Clause 5.14.4. The balance of the cash deposit shall become due and payable or the variable guarantee shall expire when the Contractor becomes entitled in terms of Clause 5.16.1 to receive the Final Approval Certificate.</u>
6.10.6.2	Replace Clause 6.10.6.2 with the following: “In the event of failure by the Employer to make the payment by the due date, he shall pay to the Contractor interest, at the rate as published by the Minister of Justice and Correctional Services from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No 55 of 1975) as amended, calculated as simple interest, in respect of debts owing by the State”. (1.1.1.21.A).
6.10.9	Ref Clause 3.2.3.

TENDER/ QUOTATION NO: GQET-25/26-015

7.2.1	The last sentence to read “Failing requirements or instructions, the Plant, workmanship and materials of the respective kinds shall be suitable for the intended purpose provided that materials procured for the works are from South African manufactures and suppliers. Imported materials shall only be considered under exceptional circumstances, based on compelling technical justifications, and subject to the approval by the DPWI. Failing to comply, unless specified or approval granted will result in a ten percent (10%) penalty of the value of imported material used without approval.
7.5.3	Add the following to Clause 7.5.3 “Should the work inspected by the Employer’s Agent be rejected, all consultant’s fees / costs pertaining to the unsuccessful inspection shall be recovered from the contractor”.
7.9.1	Insert the following at the end of Clause 7.9.1: Provided that, should the Contractor on demand not pay the amount of such costs to the Employer, such amount may be determined and deducted by the Employer from any amount due to or that may become due to the Contractor under this or any other previous or subsequent contract between the Contractor and the Employer.
8.2.2.1	Insert the following as a second paragraph to Clause 8.2.2.1: The Contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the Works and to rebuild, restore, replace and/or repair the Works, failing which the Employer may cause same to be done and recover the reasonable costs associated therewith from the Contractor.

8.3.1.10	Replace Clause 8.3.1.10 with the following: “Ionising, radiation, or contamination by radioactivity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuels, excluding leakages of any radioactive material / gases / corrosive liquids/chemicals, which are harmful to the environment and biological life, brought on to site for installation or used in the Works prior to final approval”.
8.4.3	Add the following as Clause 8.4.3: Where the Contractor has caused damage to property (moveable and immovable), of any person, the Employer or third parties, the Contractor shall on receiving a written instruction from the Employer's Agent immediately proceed at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the Works.
8.6.1	Replace Clause 8.6.1 with the following: Except if provided otherwise in the Contract Data, the Contractor, without limiting his obligations in terms of the Contract, shall effect and keep the respective insurances [CD] in force, in favour of the employer as beneficiary, from the date of possession of the site until the issue of the certificate of practical completion and with an extension to cover the contractors obligations after the date of practical completion [8.2.1]
8.6.1.1.1	Ref B6.0 CD for value of insurance.
8.6.1.1.2	Ref B6.0 CD for value of insurance.
8.6.1.1.3	Ref B6.0 CD for value of insurance.
8.6.1.3	Amend Clause 8.6.1.3 to delete reference to limit of indemnity, to read as follows: Liability insurance that covers the Contractor against liability for the death of, or injury to any person, or loss of, or damage to any property (other than property while it is insured in terms of Clause 8.6.1.1) arising from or in the course of the fulfilment of the Contract, from the Commencement Date to the date of the end of the Defects Liability Period, if applicable, or otherwise to the issue of the Certificate of Completion.
8.6.4	Omit clause

TENDER/ QUOTATION NO: GQET-25/26-015

8.6.6	Replace Clause 8.6.6 with the following: Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the date of letter of acceptance, but before commencement of the works, submit to the employer all the policies by which the insurances are effected and due proof of upfront payment of all premiums thereunder to keep the policies effective from the Commencement Date to the date of the end of the Defects Liability Period, if applicable, or otherwise to the issue of the Certificate of Completion.
8.6.7	Replace Clause 8.6.7 with the following: If the Contractor fails to effect and keep in force any of the insurances referred to in Clause 8.6.1, the Employer may cancel the Contract in terms of Clause 9.2.
8.6.8	Add the following as Clause 8.6.8. HIGH RISK INSURANCE In the event of the project being executed in a geological area classified as a “High Risk Area”, that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply: (1) Damage to the Works The Contractor shall, from the date of Commencement of the Works until the date of the Certificate of Completion, bear the full risk of and hereby indemnifies and holds harmless the Employer against any damage to and/or destruction of the Works consequent upon a catastrophic ground movement as mentioned above. The Contractor shall take such precautions and security measures and other steps for the protection of the Works as he may deem necessary.

	When so instructed to do so by the Employer's Agent, the Contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the Works and to rebuild, restore, replace and/or repair the Works, at the Contractor's own costs. (2) Injury to Persons or Loss of or damage to Properties The Contractor shall be liable for and hereby indemnifies and holds harmless the Employer against any liability, loss, claim or proceeding arising during the Contract Period whether arising in common law or by Statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above. The Contractor shall be liable for and hereby indemnifies the Employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable or personal property or property contiguous to the Site, whether belonging to or under the control of the Employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the Contract Period. (3) It is the responsibility of the Contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in Clauses 8.6.8(1) and 8.6.8 (2) above. Without limiting his obligations in terms of the Contract, the Contractor shall, within 21 days of the Commencement Date and before Commencement of the Works, submit to the Employer proof of such insurance policy, if requested to do so. (4) The Employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the Contractor's default of his obligations as
--	---

TENDER/ QUOTATION NO: GQET-25/26-015

	set out in Clauses 8.6.8 (1), 8.6.8 (2) and 8.6.8 (3). Provided that, should the Contractor on demand not pay the amount of such costs to the Employer, such amount may be determined and deducted by the Employer from any amount due to or that may become due to the Contractor under this or any other existing or subsequent contract between the Contractor and the Employer.
9.1.1	Ref Clause 3.2.3
9.1.2.1	Ref Clause 3.2.3
9.1.4	Replace the first paragraph of Clause 9.1.4 with the following: "In the circumstances referred to in Clauses 9.1.1, 9.1.2 or 9.1.3 (provided that the circumstances in 9.1.3 is not due to the fault of the Contractor, his employees, contractors or agents), and whether or not the Contract is terminated under the provisions of this Clause, the Contractor shall be entitled on proof of payment of any increased cost of or incidental to the execution of the Works which is specifically attributable to, or consequent upon the circumstances defined in Clauses 9.1.1, 9.1.2 or 9.1.3; necessary changes"
9.1.5	Replace the first paragraph of Clause 9.1.5 with the following: If the Contract is terminated on any account in terms of this Clause (provided that the circumstances in 9.1.3 is not due to the fault of the Contractor, his employees, contractors or agents) , the Contractor shall be paid by the Employer (insofar as such amounts or items have not already been covered by payments on account made to the Contractor) for all measured work executed prior to the date of termination, the amount (without retention), payable in terms of the Contract and, in addition: "
9.1.5.5	No Clause
9.1.6	No Clause
9.2.1	Ref Clause 3.2.3
9.2.1.3.9	Add the following as Clause 9.2.1.3.9: Has failed to effect and keep in force any of the insurances referred to in Clause 8.6.1.
9.2.4	Add the following as Clause 9.2.4: In the case where a contract is terminated by the Employer by no fault by any party, the contractor shall be entitled to no other compensation than for work done and materials on site as certified by the Principal Agent at the date of termination.
9.3.2.2	Replace Clause 9.3.2.2 with the following:

	All Plant and Construction Equipment, Temporary Works and unused materials brought onto the Site by the Contractor, and where ownership has not been transferred to the Employer (see Clause 6.9.1), shall be removed from the Site on termination of the contract by any party.
9.3.2.3	No Clause
9.3.3	Add the following at the end of Clause 9.3.3 After cancellation of the Contract by the Contractor, the Contractor, when requested by the Employer to do so, shall not be entitled to refuse to withdraw from the Works on the grounds of any lien or a right of retention or on the grounds of any other right whatsoever. Nothing in this Clause shall prejudice the right of the Contractor to exercise, either in lieu of or in addition to the Contractor rights and remedies specified in this Clause, any other rights or remedies to which the Contractor may be entitled under the Contract or common law.

TENDER/ QUOTATION NO: GQET-25/26-015

10.1.3.1	Replace Clause 10.1.3.1 with the following: All facts and circumstances relating to the claims shall be investigated as and when they occur or arise. For this purpose, the Contractor shall deliver to the Employer's Agent, records in a form approved by the Employer's Agent, of all the facts and circumstances which the Contractor considers relevant and wishes to rely upon in support of his claims, including details of all construction equipment, plant, labour, and materials relevant to each claim. Such records shall be submitted promptly after the occurrence of the event giving rise to the claim.
10.1.4	Ref Clause 3.2.3.
10.1.5	Ref Clause 3.2.3.
10.1.6	Add the following as Clause 10.1.6: If the Employer fails to give his ruling within the period referred to in Clause 10.1.5 he shall be deemed to have given a ruling dismissing the claim.
10.2.1	Replace Clause 10.2.1 with the following: In respect of any matter arising out of or in connection with the Contract, which is not required to be dealt with in terms of Clause 10.1 or which does not require the decision or ruling of the Employer, the Contractor or the Employer shall have the right to deliver a written dissatisfaction claim to the Employer's Agent. This written claim shall be supported by particulars and substantiated.
10.2.2	Replace Clause 10.2.2 with the following: If, in respect of any matter arising out of or in connection with the Contract, which is not required to be dealt with in terms of Clause 10.1 or which does not require the decision or ruling of the Employer, the Contractor or the Employer fails to submit a claim within 28 days after the cause of dissatisfaction, he shall have no further right to raise any dissatisfaction on such matter.
10.2.3	Ref clause 3.2.3.
10.3.2	Replace Clause 10.3.2 with the following: If either party shall have given notice in compliance with Clause 10.3.1, the dispute shall be referred immediately to mediation under Clause 10.5, unless amicable settlement is contemplated.
10.3.3	Replace Clause 10.3.3 with the following: In respect of a ruling given by the Employer (Ref clause 3.2.3), and although the parties may have delivered a Dispute Notice, the ruling shall be in full force and carried into effect unless and until otherwise agreed by both parties, or in terms of a mediation decision or court judgement.
10.4.2	Replace Clause 10.4.2 with the following: If the other party rejects the invitation to amicable settlement in writing, or does not respond in writing to the invitation within 14 days, or amicable settlement is unsuccessful, referral to mediation shall follow immediately. Should mediation be unsuccessful, the dispute shall be resolved by Litigation.
10.4.4	Replace Clause 10.4.4 with the following: Save for reference to any portion of any settlement, or decision which has been agreed to be final and binding on the parties, no reference shall be made by or on behalf of either party

	in any subsequent court proceedings, to any outcome of an amicable settlement, or to the fact that any particular evidence was given, or to any submission, statement or admission made in the course of the amicable settlement.
--	---

TENDER/ QUOTATION NO: GQET-25/26-015

10.5	Replace Clause 10.5 with the following: The parties may, by agreement and at any time before Litigation, refer a dispute to mediation, in which event: 10.5.1 The appointment of a mediator, the procedure, and the status of the outcome shall be agreed between the parties. 10.5.2 Regardless of the outcome of a mediation the parties shall bear their own costs concerning the Mediation and equally share the costs of the mediator and related expenses.
10.6	No Clause
10.7	No Clause
10.10.3	Replace Clause 10.10.3 with the following: The court shall have full power to open up, review and revise any ruling, decision, order, instruction, certificate or valuation of the Employer's Agent and Employer and neither party shall be limited in such proceedings before such court to the evidence or arguments put before the Employer's Agent or Employer for the purpose of obtaining his ruling.

B 16.0 CONTRACT PARTICIPATION GOAL TARGETS AND CIDB B.U.I.L.D. PROGRAMME

The contractor shall achieve in the performance of the contract the following Contract Participation Goals (CPGs) as described in PG-01.2 (EC): Scope of Work and PG-02.2 (EC): Pricing Assumptions and in accordance with the feasibility study, which forms part of the specifications in the CPG Section of the Specification of this contract.

(a)	Minimum Targeted Local Manufacturers of Material Contract Participation Goal, in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	Select
(b)	Minimum Targeted Local Building Material Suppliers Contract Participation Goal in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	Select
(c)	Minimum Targeted Local Labour Skills Development Contract Participation Goal in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	Select

(d)	cidb BUILD Programme: Minimum Targeted Enterprise Development Contract Participation Goal in accordance with the cidb Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts, No 36190 Government Gazette, 25 February 2013, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	Select
-----	---	--------

TENDER/ QUOTATION NO: GQET-25/26-015

(e)	cidb BUILD Programme: Minimum Targeted Contract Skills Development Goal in accordance with the cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 48491 of 28 April 2023. and the cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract.	Select
(f)	DPWI National Youth Service training and development programme (NYS) – Condition of Contract.	Select
(g)	Labour Intensive Works – Condition of Contract.	Select
(h)		Select
(i)		Select

PART 2: CONTRACT DATA COMPLETED BY THE TENDERER:

C TENDERER'S SELECTIONS

C 1.0 Securities [11.0]

In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT).

In respect of contracts with a contract sum more than R1 million, the security to be provided by the contractor to the employer will be selected by the Contractor as indicated below:

Guarantee for construction: Select Option A, B, C, D or E

n/a

Option A	cash deposit of 10 % of the contract sum (excluding VAT)
Option B	variable construction guarantee of 10 % of the contract sum (excluding VAT) (DPW-10.3 EC)
Option C	payment reduction of 10% of the value certified in the payment certificate (excluding VAT)
Option D	cash deposit of 5% of the contract sum (excluding. VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding. VAT)
Option E	fixed construction guarantee of 5% of the contract sum (excluding VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT) (DPW-10.1 EC)]

TENDER/ QUOTATION NO: GQET-25/26-015

NB: Insurances submitted must be issued by either an insurance company duly registered in terms of the Insurance Act [Long-Term Insurance Act, 1998 (Act 52 of 1998) or Short-Term Insurance Act, 1998 (Act 53 of 1998)] or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990) on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.

Guarantee for payment by employer [11.5.1; 11.10]	Not applicable
Advance payment, subject to a guarantee for advance payment [11.2.2; 11.3]	Not applicable

TENDER/ QUOTATION NO: GQET-25/26-015

C 2.0 Payment of preliminaries [25.0]

Contractor's selection

Select Option A or B

B

Where the contractor does not select an option, Option A shall apply

Payment methods

Option A	The preliminaries shall be paid in accordance with an amount prorated to the value of the works executed in the same ratio as the amount of the preliminaries to the contract sum, which contract sum shall exclude the amount of preliminaries. Contingency sum(s) and any provision for cost fluctuations shall be excluded for the calculation of the aforesaid ratio
Option B	The preliminaries shall be paid in accordance with an amount agreed by the principal agent and the contractor in terms of the priced document to identify an initial establishment charge, a time-related charge and a final dis-establishment charge. Payment of the time-related charge shall be assessed by the principal agent and adjusted from time to time as may be necessary to take into account the rate of progress of the works

Lump sum contract

Where the amount of preliminaries is not provided it shall be taken as 7.5% (seven and a half per cent) of the contract sum, excluding contingency sum(s) and any provision for cost fluctuations.

C 3.0 Adjustment of preliminaries [26.9.4]

Lump sum contract

Where the amount of preliminaries is not provided it shall be taken as 7.5% (seven and a half per cent) of the contract sum, excluding contingency sum(s) and any provision for cost fluctuations.

Contractor's selection

Select Option A or B

Where the contractor does not select an option, Option A shall apply.

TENDER/ QUOTATION NO: GQET-25/26-015

Provision of particulars

The contractor shall provide the particulars for the purpose of the adjustment of preliminaries in terms of his selection. Where completion in sections is required, the contractor shall provide an apportionment of preliminaries per section.

Option A	An allocation of the preliminaries amounts into Fixed, Value-related and Time-related amounts as defined for adjustment method Option A below, within fifteen (15) working days of the date of acceptance of the tender
Option B	A detailed breakdown of the preliminaries amounts within fifteen (15) working days of possession of the site. Such breakdown shall include, inter alia, the administrative and supervisory staff, the use of construction equipment, establishment and dis-establishment charges, insurances and guarantees, all in terms of the programme

Adjustment methods

The amount of preliminaries shall be adjusted to take account of the effect which changes in time and/or value have on preliminaries. Such adjustment shall be based on the particulars provided by the contractor for this purpose in terms of Options A or B, shall preclude any further adjustment of the amount of preliminaries and shall apply notwithstanding the actual employment of resources by the contractor in the execution of the works.

Option A	The preliminaries shall be adjusted in accordance with the allocation of preliminaries amounts provided by the contractor, apportioned to sections where completion in sections is required Fixed - An amount which shall not be varied. Value-related - An amount varied in proportion to the contract value as compared to the contract sum. Both the contract sum and the contract value shall exclude the amount of preliminaries, contingency sum(s) and any provision for cost fluctuations. Time-related - An amount varied in proportion to the number of calendar days extension to the date of practical completion to which the contractor is entitled with an adjustment of the contract value [23.2; 23.3] as compared to the number of calendar days in the initial construction period [26.9.4].
Option B	The adjustment of preliminaries shall be based on the number of calendar days extension to the date of practical completion to which the contractor is entitled with an adjustment of the contract value [23.2; 23.3] as compared to the number of calendar days in the initial construction period [26.9.4]. The adjustment shall take into account the resources as set out in the detailed breakdown of the preliminaries for the period of construction during which the delay occurred.

Failure to provide particulars within the period stated

Option A	Where the allocation of preliminaries amounts for Option A is not provided, the following allocation of preliminaries amounts shall apply: Fixed - Ten per cent (10%) Value-related - Fifteen per cent (15%) Time-related - Seventy-five per cent (75%) Where the apportionment of the preliminaries per section is not provided, the categorised amounts shall be prorated to the cost of each section within the contract sum as determined by the principal agent
Option B	Where the detailed breakdown of preliminaries amounts for Option B is not provided, Option A shall apply