



public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTHAFRICA

TENDER NO.PET03/2023

**EAST LONDON AREA: MAINTENANCE OF GENERAL BUILDING
WORKS IN STATE OWNED BUILDING COMPLEXES FOR A PERIOD OF 24 MONTHS**

NAME OF BIDDER:

ISSUED BY:
THE DIRECTOR-GENERAL
DEPARTMENT OF PUBLIC WORKS

SCOPE & SPECIFIC CONDITIONS OF CONTRACT

Part C2.2 SCHEDULE OF RATES DOCUMENT

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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 quality 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 the Services and indicates the quantities and rates associated with each item the Employer agrees to pay the Service Provider for the Services Completed
 - 1.1.3 "Certificate of Completions" 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 Services Provider is notified 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 contacting Parties and the procedures for the administration of the Contract;
 - 1.1.7 "Contract Period" is from the Commencement Date for the period stated in the Contract Data:
 - 1.1.8 "Contract Price" means the to be paid for the Service in accordance with the Pricing Data, subject to such additions thereto or deduction thereto or deductions there from as may be from time to time under the provision of the Contract;
 - 1.1.9 "Contract Sum" refers to the amount stated by the Services 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 material 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 thereto or additions thereto from time to time to be 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 appliance, 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 omissions 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 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 the 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 "Rates" means for all items bided in this document shall include for additional cost, and shall be representative of the actual cost involved in the executing thereof plus a reasonable mark up and should be valid whether the work associated therewith will be carried out once or more frequently; "Not Applicable" "(N/A)" Means not to be priced or completed.
- 1.1.23 "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;
- 1.1.24 "Service Provider" means the Bidder, 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 written consent of the Employer, any assignee of the Service Provider;
- 1.1.25 "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 thereto;
- 1.1.26 "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;
- 1.1.27 "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;
- 1.1.28 "Transitional Stage" refers to the period indicated in the Contract Data which commences immediately on the expiry of the Service Period, and 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 references purposes only and shall not affect the interpretation of the provision 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 or imposing obligations on any Party, effect shall be given 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 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 of duration of the Contract may be extended as a result of bona fide negotiations between the Parties. No extension of term or duration of Contract shall however be valid unless the terms and conditions of such extension has been reduced in writing and signed by the authorized representatives of both Parties.

4. RIGHTS AND OBLIGATIONS OF 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 Services Provider for the proper execution of the Service;
- 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 SERVICES 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 persons authorized 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 authorization 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 to the Services.
- 5.5. Should the 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 a reasonable grounds to be undesirable the Employer may, in writing and other with reason thereof 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 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 Services 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 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 delegate to the Service Manager who shall confirm, reverse or verify the order or instruction.

7. SECURITY CLEARANCE

- 7.1. Security Clearance is necessary, and all human resources utilized by the Service Provider and the Service Provider undertake to undergo Security Clearances for which the necessary forms will be made available to the Service Providers at the relevant time by the Employer. The Service Provider accepts that if he or any of his resources refuses to undergo the required security clearance they will not awarded on be allowed on the Facilities or to render services.

8. CONFIDENTIALITY

- 8.1. The Service Provider undertakes to keep any and all information, whatever nature, relating to the Contract or which he becomes privy to due to his presence at the Facilities, strictly confidential and such not to be sold, traded, published or otherwise disclosed to anyone in any matter whatsoever,

including by means of photocopy or other reproductions, without the Employer's prior written consent, A disclosure or improper use of the confidential information, without the Employer's prior written consent will cause the Employer harm:

- 4.1.3. The service provider shall be liable for any loss or damages suffered by the Employer and shall indemnify the Employer against any claim by third parties as a result of such unauthorized disclosure or use thereof, either in whole or in part; and/or;
- 4.1.4. The Employer shall be entitled to cancel the contract.
- 8.2. 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:
 - 8.2.1. Employees, officers and directors of the Service Providers
- 8.3. 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.
- 8.4. The Service Provider shall be responsible that all 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 to unauthorised person.

9. AMBIGUITY IN DOCUMENTS

- 9.1. 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 Services Provider a written explanation giving details of the adjustments, if any, and a written instruction what Service, if any is to be delivered.

10. INSURANCES

- 10.1. It is the responsibility of the Service Provider to assess his Risk on the contract and to ensure that the he obtains and maintains the adequate insurances to cover all such Risks.

11. ACCESS TO FACILITIES AND COMMENCEMENT OF SERVICES

- 11.1. The Services Provider shall provide the Employer within 21 days of 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)
- 11.2. The Services Period shall commence on the Commencement Date or on such other date as maybe specified in the Contract.
- 11.3. Notwithstanding the provision of 11.2 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 Security clearance being obtained in term of clause 11.1 and 7.1 respectively

12. SUBCONTRACTING

- 12.1. The Service Provider may not Subcontract any part of the Contract Services at it discretion
- 12.2. The only services that may be subcontracted is when there is a specialized services to be done, this can only done with the written consent and approval from the Service Manager.

13. COMPLIANCE WITH LEGISLATION

- 13.1. This clause applies to legislation emanating from national and provincial government as well as that of any local authority in whose area of jurisdiction the Facilities fall and which the intellectual property of any other person.
- 13.2. All the applications legislation, which does not specifically allow discretion in respect of compliance the Employer shall be exactly as intended by such legislation regardless of any instruction, verbal or in writing, to the contrary.

- 13.3. 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?

14. REPORTING OF INCIDENTS

- 14.1. 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 or could have resulted in damage to property or injury or death to persons.
- 14.2. The Service Provider shall follow up verbal notification with a detailed written report on incidents to the Service Manager within the time frame indicated by the Service Manager, but in any event within 48 hours of the incident.
- 14.3. The Service Provider shall notify the Employer immediately, on becoming of the Contract requiring him to undertake anything that is illegal or impossible.

15. NUISANCE

- 15.1. The Service Provider shall deliver the Service in a manner that shall not cause unnecessary noise, nuisance, or hinder the normal activities in the Facilities.
- 15.2. The Service Provider hereby indemnifies the Employer against any Liability arising out of the Service Provider no-compliance with his obligations in term of Clause 15.1

16. MATERIAL, WORKMANSHIP, AND EQUIPMENT

- 16.1. All Services delivered, and materials and workmanship shall comply with the requirements of this Contract the manufacturer's specification; good industry practices and the Service Manager's written instructions and shall be suitable for the purpose intended.
- 16.2. 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.

17. URGENT WORK (EMERGENCY'S)

- 17.1. The Employer may, by itself or through another service provider, effect any remedial or other repair work which becomes necessary due to ne act or omission on the part of the Service Provider.
- 17.2. If the Employer effects the remedial or repair work in of 20.1 then the Employer may recover such cost, losses or damages from the Service Provider or deduct 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.

18. INDEMNIFICATIONS

- 18.1. The Service Provider shall be liable for and herby indemnifies the Employer against any liability, claim, demands, loss, costs, damages, action, suites or legal proceedings whether arising in common law or by statute consequent upon.
- 18.2. The Employ accepts liability for all acts or omissions of its employees or representatives.

19. VARIATIONS

- 19.1. The Employer may at any time during the Contract Period, vary the Services by way of additions, omissions, or substitution.
- 19.2. No variation by the Employer of whatever nature shall vitiate the Contract.
- 19.3. If no prior written authorization, 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

20. SUSPENSION OF THE SERVICES

- 20.1. The Service Provider shall, on written order of the Service Manager, suspend the provision of the Services or any part thereof for 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.
- 20.2. If the Service Provider is unable to render any of the Services for any reason other than and instruction by the Employer to suspend the Services in terms of clause 23.1, the Employer shall be liable for any claim of whatever nature, including a claim for cost, by the Services Provider.

21. PENALTY FOR NON-PERFORMANCE

- 21.1. 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.

22. PAYMENTS

- 22.1. The Service Provider shall furnish the Employer with a Tax invoice on completion of every service within 7 days on the completion of each service.
- 22.2. On completion of the Contract the Service Provider must submit all outstanding invoices for services completed within 90days of the last day of the expired contract

23. OVERPAYMENTS

- 23.1. If any overpayments 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, 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 80(1)(b) of the Public Finance Management Act 1999 (Act, 1 of 1999) as amended.

24. BREACH OF CONTRACT

- 24.1. 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 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:
 - 24.1.1. Enforce strict compliance with the terms and conditions of the Contract;
 - 24.1.2. Terminate this contract without prejudice to any other rights it may have;
 - 24.1.3. To suspend further payments to the Services Provider;
 - 24.1.4. To appoint other services providers to complete the execution of the Services, in which event the Services Provider shall be held liable for cost incurred in connection with and arising from the appointment of such a service provider as well as damages suffered.
 - 24.1.5. 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 10(ten) days written notice calling for rectification of the breach, the Service Provider shall be entitled to:
 - 24.1.5.1. Enforce strict compliance with the terms and conditions of the Contract; or
 - 24.1.5.2. 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.

25. STOPPAGE AND/OR TERMINATION OF CONTRACT

- 25.1. The Employer reserves the right to terminate this Contract or to temporarily stop the Services, or any part of thereof at any stage of completion.
- 25.2. The Employer shall have the right to terminate this contract without prejudice to any of its rights upon occurrence of any of the following;
 - 25.2.1. on breach of this Contract by the Service Provider as stipulated in Clause 27
 - 25.2.2. on commencement of any action for the dissolution and/or liquidation of the Service provider except for the purposes of amalgamation or restructuring approved in advance by the Employer in writing;

- 25.2.3. If the Service Provider receives a court order to be paid under judicial management or commence liquidation proceedings that is not withdrawn or struck out with five (5)
 - 25.2.4. If the Service Provider informs the Employer that it intends to cease performing its obligation in terms of this Contract;
 - 25.2.5. If the Service Provider informs the Employer that it is incapable on completing the Services as described; or
 - 25.2.6. If in the opinion of the Employer the Service Provider acted dishonestly;
- 25.3. The Employer reserves the right to, even in the absence of breach or the event referred to, terminate this contract at any time, by giving one (1) calendar month written notice to the Service Provider.
- 25.4. Further the Contract shall be considered as having terminated:
- 25.4.1. where the Employer stops the Contract or the Contract and instruction to resume or reinstate the Services are not issued with twelve (12) months of the instructions; or
 - 25.4.2. if instructions, necessary for the Service Provider to continue with the Service after a stoppage instruction are not received from the Employer within three (3) months after such instruction were requested by the Service provided
- 25.5. 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:
- 25.5.1. The Service Provider will be remunerated for the appropriate portion of the Services satisfactorily completed, calculated in accordance with the agreed rates.
 - 25.5.2. 28.5.2. 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.
 - 25.5.3. 28.5.3. The Service Provided shall not be entitled to advance a right 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, document, 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.

26. DISPUTE RESOLUTION

- 26.1. In the event of a dispute, the Parties shall endeavor to resolve such dispute through negotiation, in good faith.
- 26.2. If the Parties fail to resolve a dispute through negotiations as mentioned in 29.1 within 24 days of a dispute being declared, the Parties may by written agreement refer the matter to mediation.
- 26.3. Whether or not mediation resolves the dispute and irrespective of the outcome of the thereof, the Parties shall bear their own costs arising from the mediation and shall equally share the cost 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 the mediator's fees will be based.
- 26.4. The Parties shall appoint a mediator within 21 days of agreeing to mediate.
- 26.5. On appointment of the mediator the Parties shall jointly decide on the procedure to be followed, representation, dates and venue for the mediation.
- 26.6. If the Dispute or any part thereof remains unresolved it may be resolved by litigation proceedings
- 26.7. Notwithstanding anything else herein contained to the contrary, it is agreed that irrespective of the fact that the dispute is referred to negotiations, mediation or litigation in court, the decision of the Employer on the dispute involved will immediately be given effect to be the Services Provider and the Service Provider shall proceed with the Services with diligence unless the Parties agree otherwise in writing.

27. GENERAL

- 27.1. This is the entire Contract between the Parties and may only be amended if reduced to writing signed by the duly authorized representatives of both Parties, where after such amendments will take effect.
- 27.2. The Contract shall be governed by, construed and interpreted according to the law of South Africa.

28. DOMICILIUM CITANDI ET EXECUTANDI

- 28.1. The domicilium citandi et executandi of the Parties for all purposes arising from this Contract for the services of notices and legal process shall be as specified by the Parties in the Contract Data.
- 28.2. Any notice, request, consent, or other communications made between the Parties pursuant to the Contract shall be in writing and shall be deemed to have 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.
- 28.3. **NOTE:** Any reference to words "**Bid**" or "**Bidder**" herein and/or in any documentation shall be construed to have the same meaning as the words "**Tender**" or "**Tenderer**" for internal & external use.

**DEPARTMENT OF PUBLIC WORKS
REGIONAL OFFICE: EAST LONDON**

24 MONTHS GENERAL BUILDING TERM CONTRACT

**THIS IS NOT A SERVICE CONTRACT
ALL REPAIRS REQUIRED WILL BE ATTENDED TO AS PER REQUEST**

This is a term contract for 24 months for Emergency and Repairs Day to Day Maintenance for General Building and will cover all or some of the following requirements;

1. Day to Day repairs(maintenance)
2. Replacing of items directly linked to this specific Bid as is requested.

Rates

3. The rates in the price segment conclude to the term of 24months.
4. The duration of this term contract is divided into 24 months which would not necessarily calculate from January to December.
5. This means that a term contract awarded on the 21/05/2014, will be from the 21/05/2014 to 20/05/2015 **.(This is an example only)**
6. Bidders are to **NOTE** that the quantities reflected in this document are merely illustrative and no warranty can be given as to the actual quantities of work that will be ultimately materialize on the completion of this contract. Therefore **NO CLAIMS** for alteration to rates shall be entertained due changes in quantities.
7. The Rates document forms part of and must be read and priced in conjunction with all other documents forming part of this Bid, including, standard conditions of Bid, conditions of contract (DPW 04-FM 2005-REVISED 2014), specification and other relevant documentation.
8. Zero, nil, gratis, unbalanced or non- market related rates will **NOT** be accepted and The Department reserves the right to disqualify the Bid.
9. The Contractor may not proceed with any new work/repairs unless all invoices pertaining to prior work/repairs done to, or in respect of the same facility/installation/components have been duly submitted to the Department for payment.

SCHEDULE A
PRELIMINARIES



SPECIAL CONDITIONS OF BUILDING RELATED CONTRACT

1. CONTRACT PERIOD, RENEWAL AND TARIFF ADJUSTMENT

- 1.1 This Contract shall be valid for a period of twenty four (24) months commencing from the date of the letter of acceptance (DPW07EC) of this Bid and may be extended for a further period not exceeding twelve (12) months, on the same conditions contained herein. If NO written extension is given the contract will conclude.
- 1.2 This is a fixed scheduled priced contract and no price adjustment of whatever nature, except for the reduction or increase in the Value-Added Tax, shall be applicable to this contract.
- 1.3 Should the Contract be renewed for a further period of 12 months the same conditions contained herein shall apply.
- 1.4 Notwithstanding any other provision to the contrary contained herein, the Department reserves the right to terminate this contract upon thirty (30) days written notice to the Bidder, should it no longer require the services being rendered hereunder, without attracting any liability or incurring any penalty in respect of such early termination.

2. THE BID DOCUMENT

- 2.1 The pages of this Bid document are numbered consecutively. The Bidder shall, before submitting his Bid, check the number of the pages and should any be missing or duplicated, or the reproduction be indistinct, or if any doubt exists as to the full intent or meaning of any description, or if this Bid document contains any obvious errors, the Bidder shall obtain a directive, in writing, from the Department.
- 2.1.1 The text of this Bid document and other documents, as prepared by the Department, shall be adhered to and no alteration, erasure, omission or addition thereto by the Bidder will be recognised.

3. INTERPRETATION AND DEFINITIONS OF BID DOCUMENT

- 3.1 In the event of any dispute arising regarding this contract, the matter shall be referred by the Department of Public Works to the State Tender Board, whose decision shall be final. The Bidder shall not delay the execution of any work pending such decision. The Department of Public Works shall incur no personal liability in respect of any matter arising out of the contract or incidental thereto.
- 3.2 Unit: The unit of measurement for each item.
- 3.3 Quantity: The provisional number of items.
- 3.4 Rate: The agreed unit rate per item.
- 3.5 Amount: The product of the quantity and the agreed rate for an item.

- 3.6 Sum: An agreed lump sum payment amount for an item, the extent of which is described in the Scope of Work, but the quantity of work is not measured in any units.
- 3.7 Plant & Equipment: Scaffolding, cherry picker trucks, earthmoving equipment etc.

3.8 Client Department: All other government departments, i.e. SA Police Service, Correctional and Justice Department, SA Defence and Others, hereafter referred to as "User Department"

4. **DOCUMENTS:** Should there be any discrepancy between these Special Conditions of Contract and the Conditions of Contract (PA 10 FM), the former shall take preference.

The following documents shall be read in conjunction with this Bid:

- 4.1 Occupational Health Safety Act: Act No. 85 of 1993.
- 4.2 Municipal By-laws and any special requirements of the Local Authority.
- 4.3 Standard Specification for Central Heating Installations Issue X January 1982.
- 4.4 Standard Specification for Air-conditioning and Ventilation Installations Issue XI, 1994.
- 4.5 Standard specification for Refrigeration Installations Issue VI 1984.
- 4.6 Standard Specification for Steam Boilers Issue VII, 1995.
- 4.7 Standard Specification for the Electrical Equipment and Installations for Mechanical Services Issue VIII December 1984.
- 4.8 The S.A. Bureau of Standards Codes of Practice S.A.B.S. 0400 of 1990, - S.A.B.S. 0105 and SANS 10142-1: 2003 (all as amended).
- 4.9 The latest Automatic Sprinkler Investigation Bureau Rules.
- 4.10 The Local Municipal Gas Regulations.
- 4.11 Conditions of Tender: Form PA 10 FM.
- 4.12 Tenderers Additional Particulars.
- 4.13 All Sections of, and Addenda to, the Specification.

4.13.1 The Bidder shall study these documents and acquaint himself with the contents thereof, **BEFORE SUBMITTING THE BID DOCUMENT** as no claims in this regard will be entertained.

2. PROVISIONAL QUANTITIES

5.1 All quantities in this Bid document are provisional and inserted in order to obtain competitive Bids. The Department reserves the right to increase or decrease quantities during the progress of the contract and such increases or decreases shall not alter the tariffs for any item. Payment shall be as set out in clauses herein.

3. SCOPE OF CONTRACT

6.1 This contract is for the maintenance/repairs as per schedule 1 in properties, namely Official Quarters, Living Quarters and Messes in Military, Correctional Services and South African Police Services Bases, Prestige, State Owned Buildings, State Owned Housing, etc. as well as certain hired buildings and structures falling under the control of the Department or other departments hereafter referred to as "User" Departments.

6.2 The Department of Public Works reserves the right to enter into new contracts for major Repairs and Renovations, Capital Works or any other maintenance or repair works in any complex or building covered in the area of this contract. The work included in such new contracts will automatically be excluded from the contract.

6.3 The Department intends appointing one successful Service Provider per area.

6.4 **The Department reserves the right if required to employ any other contractor for any project in any region or area. The Department reserves the right to allocate works/projects/orders to successful Bidders in any area with the aim to spread the assignments between them. Thus the successful Bidder do not have the right to all projects/works/orders in the region it bid for.**

- 6.5 **The Department will not appoint the same Service Provider for more than two areas per discipline. (Depending on the successful bids received and range of bids in the estimations of the area) This will be done in the interest of spreading work between more service providers. The Department will only appoint the same Service Provider with more than two areas per discipline in the case where there is a shortfall of successful bidders.**
- 6.5.1 **All Bids will be Evaluated, Scored, the Highest scoring Bidder will be awarded 1(one) area and preference will be given to the Bidder based in the Area bided and limited to 2 (Two) areas per Bidder.**
- 6.5.2 **When a contractor is the lowest price and highest scoring bidder in all areas the first area will be recommended to that Bidder, must be based in the area, the next lowest price and highest scoring bidder will be recommended for the next area but must be based in the area and so on.**
- 6.5.3 **Sound commercial principles will underlie all transactions. There will be no compromise on quality, delivery, service, SHE or any other commercial or technical requirements. The cost of preferential procurement must not exceed 25% of the market range (Average of all Bids received) for transactions below 50M or 11% for transactions above 50M.**
- 6.6 Estimated quantities given cannot be guaranteed to be entrusted to the Bidder to whom this contract has been awarded.
- 6.7 The Bidder shall supply all consumable material such as oils, grease, waste, hacksaw blades, welding rods, insulation tape, cleaning materials and chemicals etc. necessary for the proper performance of the repairs. **No claims for consumable material will be accepted.**
- 6.8 Where repairs are required to be specialised items of equipment the Bidder shall arrange for such work to be carried out by specialists approved by the Department. Should the Contractor wish to make use of Sub-contractors, he shall apply to the Department for written approval before he makes use of their services.

7. VALUE ADDED TAX

- 7.1 All rates and prices entered in this tender document must be Nett, i.e. exclusive of Value Added Tax (VAT). VAT must be calculated and added to the total value of all the items in the Schedules as reflected in the Summary.

8. RATES and PRICES

- 8.1 All rates tendered by the Bidder for items in this document shall include for additional costs, if any that may occur as a result of these Special Conditions of Contract as well as for the supply of normal equipment and everything necessary for the proper performance of the work. Estimated quantities given cannot be guaranteed to be entrusted to the Bidder to whom this contract has been awarded.

8.2 Unit rates entered into the Schedule 2 of Quantities:

- 8.2.1 *shall be representative of the actual cost involved in the execution thereof plus a reasonable mark-up and should be valid whether the work associated therewith will be carried out once only or more frequently, costing to include the possibility that the emergency work to go into overtime as this cannot be claimed later.*
- 8.2.2 *must allow for the removal of the existing defective item or part, and for supply and fixing of the new items inclusive of material, labour, waste, transport, all expendable material such as*

oil, grease and cleaning material and equipment, profit, attendance, overheads, compliance with the Occupational Health and Safety Act and Construction Regulations and any other costs associated with the successful execution of the required work.

- 8.3 Term contract rates shall remain fixed for the duration of the Term Contract and for any term to which the contract may be extended, no price adjustments shall be allowed except for the increase in VAT.
- 8.4 The prices and rates to be inserted in the Schedule of Rates are to be the full inclusive prices for the work described under the several items. Such prices and rates shall cover all costs and expenses that may be required in and for the execution of the work described, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the documents on which the Bid document is based, as well as overhead charges and profit. Reasonable prices shall be inserted as these will be used as a basis for assessment of payment for additional work that may have to be carried out.
- 8.5 There are no P&Gs, escalation or variation orders as this is applicable under Projects.
- 8.6 This is purely a maintenance term contract valid for two years only.
- 8.7 As this is day to day maintenance, unplanned and unpredictable the offer of acceptance is therefore an estimate and will vary, meaning that the collective pay-outs at the end of the two year, it may exceed or be less than the offered amount on the Bid.
- 8.7.1 Department of Public Works and Infrastructure Regional Office Port Elizabeth cannot be held accountable should the total pay-out at the end of the term contract be less than the form of offer of acceptance.
- 8.7.2 The text of this BID document and other documents as prepared by the Department shall be adhered to and no alteration, erasure, omission or addition thereto by the Bidder shall be accepted.
- 8.8 **The Department reserves the right to disqualify any bid offers which incorporate unit Rates that are non-market related, nominal and nil or unbalanced. All items must be priced in the price Bill, and to be competitive pricing.**
- 8.9 **NOTE: Once rates are calculated and found that calculation error has been made whatsoever the Department will not give you the opportunity to rectify this error and will disqualify the Bid (Schedule or Non-Schedule) No unauthorized amendment shall be made to the Schedule of Rates or any part of the Pricing Data. If such amendment is made or if the Schedule of Rates is not properly completed, the Bid will be rejected.**

9. TRANSPORT COSTS

- 9.1 Transport costs, including travelling time, must be allowed for in the rates for each and every item in the price schedules.
- 9.2 Transport costs, including travelling time for Scheduled repairs will be included in the labour rates as per item. Under no circumstances will transport or travelling costs be paid where this is claimed separate item on any invoice submitted, unless it is outside the core town.
- 9.3 Please note where a schedule and non- schedule item is used on the same repair, the contractor will not be eligible to claim for transport or travelling cost on the basis of the non – scheduled item used, however non- schedule labour may be claimed for the replacement of the non- schedule item. Furthermore, the labour on site claimed for shall be reasonable and justified.

- 9.4 **In areas of Doubt the Department reserves the right to obtain information from other source / sources, in order to satisfy if the time claimed by the Bidder is justified**

10. ACCESS TO PREMISES

The Bidder undertakes to:

- 10.1 Arrange with the occupants of buildings regarding access to the premises in order to execute the required repairs.
- 10.2 Take adequate precautions to prevent damage to buildings, to fittings and furnishing inside the premises and elsewhere on the site.
- 10.3 Accept liability and to indemnify the Department against any claims whatsoever arising from his conduct and/or the conduct of his employees.
- 10.4 Safeguard all his employees in accordance with the regulations of the Unemployment Insurance Act 1966, (Act No. 30 of 1966) and any amendments thereof.
- 10.5 Comply with all By-laws and requirements of the Local Authority.
- 10.6 Carry out repairs during normal working hours and emergency repairs during weekend and public holidays when required.

11. ACCESS CARDS TO SECURITY AREAS

- 11.1 Should the work fall within a security area, the Bidder shall obtain, either from the S.A. National Defence Force, S.A. Police or User Department, access cards for his personnel and employees who work within such an area.
- 11.2 The Bidder shall comply with any regulations or instructions issued from time to time, concerning the safety of persons and property, by the S.A. National Defence Force, Correctional Services, S.A. Police Service, Prestige or Ministerial complexes.

Only South Africa Identity Documents will be accepted on site.

12. SECURITY CHECK ON PERSONNEL

- 12.1 The Department or the Chief of the South Africa National Defence Force, or the Commissioner of the South Africa Police Service may require the Bidder to have his personnel or a certain number of them security classified.
- 12.2 In the event of either the Department, the Chief of South Africa National Defence Force or the Commissioner of the South Africa Police Service requesting the removal of a person or persons from the site for security reasons, the Bidder shall do so forthwith and the Bidder 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.
- 12.3 **Only South Africa Identity Document will be accepted on site.**

13. TRAINED STAFF

- 13.1 The Bidder shall use competent trained staff directly employed and supervised by himself.

- 13.2 All Technician's/Artisan's certificates of qualification and apprenticeship contracts shall be submitted with the tender for evaluation by this Department.
- 13.3 By not complying with this clause the tender shall not be taken in consideration and shall or could lead to disqualification.
- 13.4 Bidders shall satisfy the Department in all respects that their Electricians/Technicians are suitably qualified to carry out the specified repairs covered by this contract.
- 13.5 **Bidders are to note that the equipment to be repaired under this contract is of utmost strategic importance to the Department and full proof of the Bidders ability to satisfactorily perform the repairs and servicing is necessary. The Bidder's premises will be inspected for plant, equipment and general good management before contracts are awarded.**
- 14. DRESS CODE**
- 14.1 **The following dress code must be adhered to at all times by all workers:**
- 14.2 Workers must have a COMPANY WORK SUIT with the company logo on it.
- 14.3 Must have clear identification tags with name number and a photograph openly displayed with the company logo as background.
- 14.4 The dress code must adhere to the OHSA in terms of protection for all workers for this Particular service.
- 14.5 Failure to adhere to the above criteria will result in the workers not gaining entry to any site for this particular service
- 15. MATERIAL OF EQUAL QUALITY**
- 15.1 New parts, components and material used shall be of equal specification and shall match the existing item that is being replaced. Only genuine parts are acceptable to the Department and the use of pirate parts will not be allowed. New parts, components and material shall conform to SANS 9001.
- 15.2 Parts will be installed and connected to the supplier's specification.
- 15.3 The Bidder shall submit to the Department any suppliers or factory guarantee of repaired or replaced components together with his invoice and shall ensure that such guarantees are not jeopardised in any way. All new parts, components and material used in this contract shall be guaranteed for a period of at least 12 months.
- 15.4 The serial numbers of original and new components such as motors, compressors etc., shall be entered on job cards and invoices submitted for payment.
- 15.5 **NOTE:** The Department reserves the right to instruct the Bidder to mark by stencilling or engraving any new part or component of an installation with the complaint number for the repair at his own cost. The marking shall be in a conspicuous place and not spoil the appearance or cause any damage to the part or component.
- 16. REDUNDANT MATERIAL, RUBBISH AND WASTE**

16.1 All rubbish and waste shall be removed from the site by the Bidder and the plant rooms shall be kept in a clean and neat condition. The Bidder will be required to submit pictures of the redundant/waste material upon request.

17. FRAUDULENT CONDUCT

17.1 **Fraudulent conduct shall mean any conduct aimed at obtaining an unjust profit and/or intentional poor quality of work and submitting of inflated, false or incorrect Invoices, fictitious Supplier Invoices or any contravention of the National Treasury Regulations**

18. EXECUTION OF REPAIRS

18.1 The Contractor shall, in the event of repairs or replacements becoming necessary, submit a Technical report with an estimate of the cost of the work concerned to the Regional Representative and on receipt of instructions to that effect put the work in hand. The technical report must be supported with photos to give an indication of the repairs required **and include a motivation for replacement of parts.**

18.2 The sole purpose of the estimate is to determine the magnitude of the repair and shall not be treated as a firm and final price. The Contractor shall be bound to the labour rates and the price per suppliers invoice plus mark-up in the case of non-scheduled items in this contract. Should the Contractor find that the final cost will be higher than the estimated cost, the Contractor shall obtain a written instruction from the Regional Representative before continuing with the work.

18.3 The Regional Representative reserves the right to execute such repairs and replacements with his own staff or by any other means.

18.4 If the Contractor fails to respond within the time limits as stated above, the Department should have the right to appoint any other third party to do the work without further notification to the Contractor. The additional costs, if any for such work, executed by the third party, will be for the account of the Contractor.

18.4.1 NOTE: RESPONSE TIME: The Contractor shall commence with repair work within 24 hours after receipt of an instruction and immediately in the case of emergency repairs in accordance with clause 21 of this contract.

19. MANAGEMENT AND EXECUTION OF WORK

The Successful Bidder undertakes to:

19.1 **Provide the Department with a list of names of his representatives / agents who will be responsible for the management and execution of the work at the individual buildings / areas covered by this contract. Seven (7) days after letter of acceptance date, failing to do so will be in Breach of the contract and may lead to termination of this contract.**

19.2 Arrange with the occupants of buildings regarding access to the premises in order to execute the required service.

19.3 Take adequate precautions to prevent damage to buildings, to fittings and furnishing inside the premises and elsewhere on site;

19.4 Accept liability and indemnifies the Department against any claims whatsoever arising from his conduct and/or the conduct of his employees.

- 19.5 Safeguard all his employees in accordance with the regulations of the Unemployment Insurance Act 1966, (Act No. 30 of 1966) and any amendments thereof;
- 19.6 Provide qualified artisan(s) to carry out any emergency repair work on a 24 hours basis, including week-ends and public holidays.
- 19.7 Perform maintenance, servicing and repair work during normal working hours and overtime will only be approved as permitted by the Department Representative.
- 19.8 Make suitable arrangements regarding the signing of job cards / Ebis forms with the respective client/user departments. It must be noted that no extra time will be allowed or paid for this exercise and NO invoice will be paid without the original required signed documents. It is also required from the Bidder to sign time in and out in register to be found with the User Department on site.
- 19.9 It is strongly recommended to take as many photos necessary of the work in progress and submit with invoicing as supporting evidence of works performed.
- 19.10 It is of the utmost importance that the contractor whilst working or repairing any Works at any of the Air Force Landing strips, the necessary clearance and reflective protection clothing and demarcating is done before any work is commenced and completed.
- 19.11 **Only Authorised specialised services may be sub-contracted.**

20. OFFICIAL INSTRUCTION FOR REPAIRS

- 20.1 **An official instruction for each repair shall be issued to the Bidder. *The Bidder may not accept any instruction from the User Department and/or its employer, or enter into any negotiations with the User Department in regard to any work to be done.***
- 20.2 Instructions for repairs may only be issued to Bidders by officials of this Department. For each repair the complaint number issued for that repair as well as details regarding the defects shall be given to the Bidder in writing. If the Bidder has facsimile facilities, the instruction will be faxed or emailed to him. The Bidder shall not proceed with any work without an official instruction.
- 20.3 No payments shall be made for work executed without the necessary written authority.
- 20.4 Payments will be delayed and invoices returned if order numbers and complaint numbers do not appear on invoices submitted for payment.

21. EMERGENCY REPAIRS

- 21.1 For purposes of this Bid document emergency services shall mean work which, in the opinion of the Department, must be carried out without any undue delay, notwithstanding that it may have to be done during normal working hours, Saturday, Sunday and Public Holidays, within time frames as above.
- 21.2 Emergency repairs after hours may be executed with only receipt of an official complaint (CPT) number and only on the telephonic instruction of the Control Works Manager of this Department.
- 21.3 The Bidder shall however ensure that the official of the User Department signs the job card. The Bidder shall also ensure that he obtains the official instruction from the Department on the following working day. No payment will be made without a complaint number, official instruction and duly completed and signed job card.

21.4 Only breakdowns which affect public health or the operation and safety of sensitive equipment (Refrigeration, Fresh Water Pumps, Sewerage Pumps, IT Equipment in Laboratories, Access Control, power failure to complexes and buildings, security related defects, etc.) shall be treated as emergency repairs. Breakdowns involving personal comfort will not be considered as emergency repairs unless authorised as such by the Regional Representative of this Department.

22. JOB CARDS ("M" FORMS) FOR REPAIRS

22.1 The Bidder must provide his own supply of Job Cards in accordance with the example included herein.

22.2 **Job Cards shall be completed in all respects for each and every repair work. Complete job card for each and every day the service is rendered to be submitted to the Respective Works Manager. Job cards will indicate "job still in progress" and the final job card will indicate "job completed". This job card with Job completed must be faxed/e-mailed the same day to the Departmental Representative, copy left with the client Department and all original Job Cards to be submitted with invoice for payment.**

22.3 The Job Card must be completed legibly in black ink after completion of each repair. All columns of section (1) one and (2) two on the job card shall be completed by the Bidder and all un-used portions/lines of section (2) two shall be deleted and counter signed by the responsible representative of the User Department, who will also sign-off the Job Card – Section Three (3) pertains. Black ink shall be used in this regard.

22.4 **Only the artisan who executed the repair work may sign the job card and submit it to the User Department for signature.**

22.5 In addition to the Original Completed Job Card submitted with the account, the Bidder must submit a copy of the completed Job Card to the User Department for audit purposes and retain a third copy for his official records.

22.6 Failure to comply with the above could delay payment.

22.7 In the event where the User Department do not have an official date stamp, the onus is on the Bidder to see that the client sign and date in the allocated block on the job card. (No job card will be accepted should the above not be completed)

22.8 **No Photocopied Job Cards will be accepted under any circumstances with invoicing.**

22.9 Having blank or incomplete Job cards signed by the client departments before or after work is completed is deemed to be of a fraudulent nature and is in breach of this contract and can and will lead to the cancellation of the contract

22.10 The Job Card must be signed by the User Department immediately after the work has been completed, not days/weeks/months thereafter.

22.10.1 **NOTE: All job cards (hours spent) are to be completed on site. The use of correctional fluid will not be allowed on any documentation.**

23. SUBMISSION OF SUPPLIER'S INVOICES (NON SCHEDULED REPAIRS)

23.1 Bidders shall submit a certified copy of the supplier's tax invoice (SAPS certified), attached to their accounts in respect of non-scheduled items purchased for such repairs.

- 23.2 Descriptions like "1 x compressor" or "1 x wire" are not acceptable and will lead to the delay of payments. The full description that is essential to order such an item from a supplier, i.e. make, model, serial number, size, capacity, etc. shall be listed on the account.
- 23.3 A separate invoice for each repair shall be submitted. Only invoices from registered and approved suppliers/dealers for the respective equipment/items/parts must be supplied.
- 23.4 **The suppliers invoice must comply with the following criteria, which will be deemed acceptable to the Department;**
- 23.4.1 Must be on a Company Letter Head;
 - 23.4.2 The words 'tax invoice' in a prominent place;
 - 23.4.3 The name, address and registration number of the supplier;
 - 23.4.4 The name and address of the recipient;
 - 23.4.5 An individual serialized invoice number and the date upon which the tax invoice is issued;
 - 23.4.6 Description of the goods or services supplied;
 - 23.4.7 The quantity or volume of the goods or services supplied;
 - 23.4.8 Either;
 - 23.4.8.1 The value of the supply, the amount of tax charged and the consideration for the supply; or
 - 23.4.8.2 Where the amount of tax charged is calculated by applying the tax fraction to the consideration, the consideration for the supply and either the amount of the tax charged, or a statement that it includes a charge in respect of the tax and the rate at which the tax was charged.
- 23.5 Prices must be clear with no corrections; no Correction ink may and must not be used on any documentation.
- 23.6 The supplier's address and contact details must be clear and current (contactable)
- 23.7 The items listed on the supplier's invoice must be related to the service in question and correlate with items claimed for on job card.
- 23.8 Failure to comply with the above will result in non-payment or a delay to this particular Payment.
- 23.9 The Department reserve the right to scrutinize all supplier's invoices, prices for items supplied and services rendered shall be market related.
24. **INVOICES FROM BIDDER**
- 24.1 Invoices for services rendered, must be accompanied by Original Job Cards, official instruction and suppliers invoices for non-scheduled items claimed for. The price for each item on the job card shall be cross referenced with the applicable price for similar items in the original Bid document by means of the page and item numbers e.g. 2.2 (page 2, item 2)
- 24.2 The following information is required on the layout of an invoice:
- 24.2.1 Invoice must be on company's letterhead;
 - 24.2.2 Invoice must be addressed to DPW;
 - 24.2.3 Invoice must have invoice date and number;
 - 24.2.4 If charge for VAT, invoice must indicate "TAX INVOICE" and company's VAT registration number must appear on invoice;
 - 24.2.5 Invoice must provide, address of Client Dept. where and what service was rendered;

- 24.2.6 CPT reference and order numbers must appear on invoice;
- 24.2.7 Full description of work been carried out;
- 24.2.8 The name and email address of the respective Works Manager handling the specific service.

24.3 Services to equipment:

- 24.3.1 Services are not compulsory
- 24.3.2 Services can be cancelled at the Department's discretion.
- 24.3.3 Services can only be executed on the receiving of a call centre complaint from the Regional Representative.
- 24.3.4 Services completed without call centre complaint will not be paid by the Department
- 24.3.5 The Department will not pay services requested by our Clients to the Contractor and attended by the Contractor without DPW Official.
- 24.3.6 Where major work, extensive repairs, replacement of equipment or where there is damage to facilities or equipment; the contractor shall include photos of the entire repair process with the invoice that is from the first inspection to the completion of the work.

25. PAYMENT TO CONTRACTORS

- 25.1 Invoices can be submitted weekly or monthly, but it is requested from the Bidders to submit invoices frequently not later than 30 days after completion of a job.
- 25.2 Should the late submitting of invoices frequently occur without valid reason the Department will have the right to terminate the contract.
- 25.3 Bidders are also urge to submit all outstanding invoices within six (6) months after completion of this contract.
- 25.4 The irregular and non-compliant submission of invoices in respect of completed work shall be taken into account in the assessment of a Bidder's overall performance.
- 25.5 Payment of invoices complying with all the requirements will be made within 30 days after official departmental receipt of correct invoices.
- 25.5.1 **NOTE: Any errors made by the Bidder, intentionally or unintentionally in the compilation of the job cards and for accounts discovered at a later stage, shall be rectified and the over payment recovered by the Department.**

25.5.1.1 The Contractor may not proceed with any new work/repairs unless all invoices pertaining to prior work/repairs done to, or in respect of the same facility/installation/components have been duly submitted to the Department for payment.

26. PROFIT ON MATERIAL

- 26.1 Percentage mark-up is allowed on non-scheduled material only and shall be the percentage as rated in schedule two. The total discount obtained from the supplier shall be credited to the Department. The percentage mark-up shall then be calculated on the total discount price excluding VAT. The mark-up ceiling shall not exceed 20%.

27. HOURS OF WORK

- 27.1 The Bidder shall undertake to carry out the repair/servicing during normal working hours, **UNLESS PRIOR** arrangements for working outside normal working hours have been requested by the User Department and approved by this Department. Such work done outside normal working hours shall be claimed as per labour scheduled rate in Schedule Two, on non-schedule items only.

29. EXECUTION OF WORK BY OTHERS

- 29.1 Although this Bid includes day-to-day repairs to all State Owned Buildings under the jurisdiction of this Department, the respective User Departments who are responsible for minor repairs, reserves the right to carry out such minor repairs by others.

30. RESTRICTION ON THE USE OF LABOUR

- 30.1 Where possible and practical Bidders are to make allowance for on-site training of un-skilled basic mechanical/Plumbing work.
- 30.2 All work on this contract is to be carried out with hand labour where possible by workers recruited from the local area. Wage rates are to be negotiated with the local civics and chiefs of the relevant area (tribal communities).
- 30.3 The Department may request the contractor to supply a detailed list of all employed casual workers.

31. MARKING OF EQUIPMENT

- 31.1 The Bidder shall permanently mark all new installations serviced under this contract. The number on each installation shall be unique, issued by the Department and stamped on a metal plate and pop riveted to the installation. The marking shall be in a conspicuous position, but shall not deface the appearance of the installation. Where equipment is already marked with inventory numbers, such will be used and recorded.

32. SUBMISSION OF PROGRESS REPORTS

- 32.1 The Bidder shall be required to provide the Department with a progress report on a weekly basis of all services that are in progress and of those completed. The progress report shall include the status of each job i.e. "completed" or in "progress" as well the completion date or expected completion date and reasons for delay. The progress report can either be submitted individually to each respective Works Manager or as one report with a breakdown highlighting each Works Manager's work. The progress reports must be submitted every Friday or the preceding day if it falls on a public holiday. Job Cards for completed work should also be scanned and emailed to the respective works managers on a weekly basis.

33. Department of Public Works and Infrastructure Call Centre

- 33.1 The Department has a Department of Public Works and Infrastructure Call Centre in place which deals with all unplanned and terms contracts complaints. These complaints are subjected to close times which are linked to this contract in respect of the times frames to react to the required service delivery. The successful Bidder shall comply with these times frames and report close calls (service completed) on a weekly basis as above.

34 IMPORTANT NOTICE

- 34.1 **THE SUCCESSFUL BIDDER WILL BE SUBJECTED TO POSITIVE SECURITY CLEARANCE**

35. ASSOCIATED ELECTRICAL WORK

- 35.1 The Contractor may be required to undertake repairs to electrical work associated with control systems, starters, motors and engine protection equipment including power conductors.
- 35.2 **NOTE:** All such work shall be carried out by, or under the supervision of a Licensed Electrician only and all work done shall comply with the Standard Wiring Regulations, S.A.B.S. 0142, as well as the Department's Standard Specification for Electrical Equipment and Installations for Mechanical Services, Issue VIII, 1984. All electrical work falls within the scope of this document and is the responsibility on the main contractor.

ANNEXURE A

JOB CARD

(01 Page)



COMPLAINT NO: ORDER NO: TENDER NO:							
DEPT:		BUILDING:		TOWN:			
DESCRIPTION OF COMPLAINT:							
REPORTED BY:		TEL. NO:		DATE:			
CONTRACTOR:				CONTACT NO:			
DESCRIPTION OF WORK EXECUTED BY THE CONTRACTOR (to be supplemented with a report if required):							
CONTRACTOR	No	Area / Room No	Description of material used on site		Unit (E.g./m²/m/No	Qty	
	1.						
	2.						
	3.						
	4.						
	5.						
	6.						
	Guarantee		Yes / No	Time period for guarantee		Serial no. / Guarantee Card no	
	Equipment						
	Workmanship						
	(A break down invoice must be separately provided to indicate labour, material, travel, equipment hire, profit & % and VAT)						
	*** A separate job card must be signed by the contractor for each day worked on site						
	Labour type		Date on site (dd/mm/yyyy)	Time in	Time out	Hrs	No. on site
	Artisan						
	Labourer						
Type of transport:			Travelled from:		KMs per return trip:		
Name of Artisan:		Job complete:	Yes	Date of completion:			
			No	Signature:			
CLIENT	I certify that I personally checked the contractor's work and it has been executed satisfactorily. I have received the scrap material <input type="checkbox"/> , not received scrap material <input type="checkbox"/> (I however do not certify technical correctness of the work)						
	Name:			Telephone no:			
	Designation:		Signature:		Date:		
	***Client to please retain copy for audit purposes						
DEPARTMENT	<input type="checkbox"/>	State owned				The work / service is certified as complete	
	<input type="checkbox"/>	Leased property				Signature:	
	<input type="checkbox"/>	Physically inspected				Name:	
	<input type="checkbox"/>	Telephonic confirmation with:				Designation / Rank:	
	<input type="checkbox"/>	Tel. no:				Date:	



EAST LONDON AREA: MAINTENANCE OF GENERAL BUILDING WORKS IN STATE OWNED BUILDING COMPLEXES FOR A PERIOD OF 24 MONTHS

NO	EAST LONDON AREA
1.	Bathurst
2.	Beacon Bay
3.	Bell
4.	Berlin
5.	Bisho
6.	Bluewater
7.	Baffalo Flats
8.	Bulembu
9.	Cambridge
10.	Chalumna
11.	Chungwa
12.	Duncan Village
13.	East London
14.	King Williams town
15.	Gonubie
16.	Hamburg
17.	Frankfort
18.	Kap River
19.	Kidd's Beach
20.	Komga
21.	Macleantown
22.	Mdantsane
23.	Fort Jackson
24.	Punzana
25.	Seafeld
26.	Ndevana
27.	Moyeni
28.	Tamara
29.	Zwelitsha
30.	Kei Road
31.	Kei Mouth
32.	Peddie
33.	Alexandria
34.	Grahamstown
35.	Port Alfred
36.	Dimbaza
37.	Kenton-on-Sea
38.	Keiskammahoek
39.	Middledrift
40.	Riebeeck East
41.	Tyefu
42.	Committees
43.	Stutterheim
44.	Kubusidrift

PG-03.2 (EC) SITE INFORMATION – JBCC 2000 PRINCIPAL BUILDING AGREEMENT (edition 4.1 of March 2005)

Project title:	EAST LONDON AREA: MAINTENANCE OF GENERAL BUILDING WORKS IN STATE OWNED BUILDING COMPLEXES FOR A PERIOD OF 24 MONTHS		
Tender no:	PET03/2023	Reference no:	

C4 Site Information

1. **GENERAL (Note to departmental project manager/consultant(s): This item serves as a guideline only and must be deleted)**
 - (a) *The Standard for Uniformity in Construction Procurement published in terms of the Construction Industry Development Board (CIDB) Act, 2000 (Act no. 38 of 2000), the Standardized Construction Procurement Documents for Engineering and Construction Works as issued by the CIDB and any other relevant documentation pertaining thereto must be studied and all principles in this regard must be applied to all procurement documentation, practices and procedures.*
 - (b) *The consultant(s)/project manager must acquaint themselves fully with all relevant matters pertaining to this section in order to enable prospective tenderers to price for all eventualities.*
2. *The following serves as a guideline only with regard to the type of items to be included in the Site Information. (Delete this instruction and re-number the items as required)*
3. **Site information:**

**State Buildings and Complexes
Gqeberha and surrounding areas
Eastern Cape Province**

1. GROUND CONDITIONS

Geotech information not available (existing various sites)

2. UNDERGROUND SERVICES

There are underground services traversing the areas of work, care will need to be taken.

3. ADJACENT BUILDINGS.

There might be adjacent buildings that could be affected by the works, particular precautions need to be taken when carrying out the works.



public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

OCCUPATIONAL

HEALTH & SAFETY SPECIFICATIONS

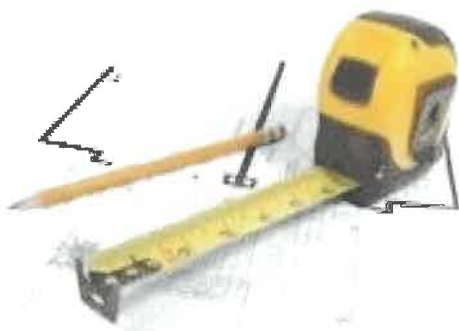
FOR

PROJECTS AND MAINTENANCE
(BUILDING/ ELECTRICAL/ MECHANICAL)

MANAGED ON BEHALF OF

THE DEPARTMENT OF
PUBLIC WORKS

(THE “CLIENT”)



SUPERVISION BY THE DEPARTMENT OF PUBLIC WORKS:

Mr./Ms./Me - **PROJECT MANAGER**
(Add full details of the project manager)

.....
.....

Mr. /Ms/Me - **CONTROL/WORKS MANAGER**
(Add full details of the inspector)

.....
.....

.....**AND/OR ITS AGENT:** [as per CR 5(5)] – {Also refer specifically to Sections 8(2)(g),
8(2)(h) and 37(2) of the Act}

AGENT: (full particulars of agent)

SUPERVISION BY THE PRINCIPAL CONTRACTOR:

PRINCIPAL CONTRACTOR: (full particulars of principle contractor / contractor)

Mr. /Ms/Me - **HEALTH & SAFETY OFFICER (BUILDING)**
(Add full details of this officer)

.....
.....

Mr. /Ms/Me - **HEALTH & SAFETY OFFICER (ELECTRICAL)**
(Add full details of this officer)

.....
.....

Mr. /Ms/Me - **HEALTH & SAFETY OFFICER (MECHANICAL)**
(Add full details of this officer)

.....
.....

Mr. /Ms./Me - **HEAD: PROJECTS & MAINTENANCE**
(Add full details of the head of the project)

.....
.....

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1. PREAMBLE

In terms of Construction Regulation 5(1)(a) of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), the Department of Public Works, as the Client and/or its Agent on its behalf, shall be responsible to prepare a baseline risk assessment for an intended construction work project. In terms of construction regulations 5(1)(b), the client must prepare a suitable, sufficiently documented and coherent site specific Health & Safety Specifications for any intended construction project and provide any Principal Contractor who is making a bid or appointed to perform construction work for the Client and/or its Agent on its behalf with the same.

The Client's further duties are as described in The Act and the Regulations made there-under. The Principal Contractor shall be responsible for the Health & Safety Policy for the site in terms of Section 7 of the Act and in line with Construction Regulation 5 as well as the Health and Safety Plan for the project.

This 'Health and Safety Specifications' document is governed by the "Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), hereinafter referred to as 'The Act'. Notwithstanding this, cognisance should be taken of the fact that no single Act or its set of Regulations can be read in isolation. Furthermore, although the definition of Health and Safety Specifications stipulates 'a documented specification of all health and safety requirements pertaining to associated works on a construction site, so as to ensure the health and safety of persons', it is required that the entire scope of the Labour legislation, including the Basic Conditions of Employment Act be considered as part of the legal compliance system. With reference to this specification document this requirement is limited to all health, safety and environmental issues pertaining to the site of the project as referred to here-in. Despite the foregoing it is reiterated that environmental management shall receive due attention.

Due to the wide scope and definition of construction work, every construction activity and site will be different, and circumstances and conditions may change even on a daily basis. Therefore, due caution is to be taken by the Principal Contractor when drafting the Health and Safety Plan based on these Health and Safety Specifications. Prior to drafting the Health and Safety Plan, and in consideration of the information contained here-in, the contractor shall set up a Risk Assessment Program to identify and determine the scope and details of any risk associated with any hazard at the construction site, in order to identify the steps needed to be taken to remove, reduce or control such hazard. *This Risk Assessment and the steps identified will be the basis or point of departure for the Health and Safety Plan.* The Health and Safety Plan shall include documented 'Methods of Statement' (see definitions under Construction Regulations) detailing the key activities to be performed in order to reduce as far as practicable, the hazards identified in the Risk Assessment.

The Department of Public Works is tasked to provide accommodation and operational facilities to a very large proportion of the approximate 40 National Departments responsible for the governance of the Department of Public Works. A very large number of State employees and public users of the facilities and the services provided there-in directly interacts with the facilities provided by the well-being, health and safety of a great number of people. This Department thus

has directly or indirectly, an impact on the Republic of South Africa as well as the National Parliament.

In this a high premium is to be placed on the health and safety of the most valuable assets of the Department of Public Works. These are its personnel, the personnel of its Clients and the physical assets of which it is the custodian and may also include the public as well. The responsibilities the Department and relevant stakeholders have toward its employees and other people present in the facilities or on the sites are captured further in this specification document. These responsibilities stem from both moral, civil and a variety of legal obligations. The Principal Contractor is to take due cognisance of the above statement.

Every effort has been made to ensure that this specification document is accurate and adequate in all respects. Should it however, contain any errors or omissions they may not be considered as grounds for claims under the contract for additional reimbursement or extension of time, or relieve the Principal Contractor from his responsibilities and accountability in respect of the project to which this specification document pertains. Any such inaccuracies, inconsistencies and/or inadequacies must immediately be brought to the attention of the Agent and/or Client.

2. SCOPE OF HEALTH AND SAFETY SPECIFICATION DOCUMENT

These Specifications should be read in conjunction with the Act, the Construction Regulations and all other Regulations and Safety Standards which were or will be promulgated under the Act or incorporated into the Act and be in force or come into force during the effective duration of the project. The stipulations in this specification, as well as those contained in all other documentation pertaining to the project, including contract documentation and technical specifications shall not be interpreted, in any way whatsoever, to countermand or nullify any stipulation of the Act, Regulations and Safety Standards which are promulgated under, or incorporated into the Act.

3. PURPOSE

The Department is obligated to implement measures to ensure the health and safety of all people and properties affected under its custodianship or contractual commitments, and is further obligated to monitor that these measures are structured and applied according to the requirements of these Health and Safety Specifications. *(All references to the singular shall also be regarded as references to the plural)*

The purpose of this specification document is to provide the relevant Principal Contractor (and his /her contractor) with any information other than the standard conditions pertaining to construction sites which might affect the health and safety of persons at work and the health and safety of persons in connection with the use of plant and machinery; and to protect persons other than persons at work against hazards to health and safety arising out of or in connection with the activities of persons at work during the carrying out of construction work for the Department of Public Works. The Principal Contractor (and his /her contractor) is to be briefed on the significant health and safety aspects of the project and to be provided with information and requirements on inter alia:

- a) Safety considerations affecting the site of the project and its environment;
- b) Health and safety aspects of the associated structures and equipment;
- c) Submissions on health and safety matters required from the Principal Contractor (and his /her contractor); and
- d) The Principal Contractor's (and his /her contractor) health & safety plan.

To serve to ensure that the Principal Contractor (and his /her contractor) is fully aware of what is expected from him/her with regard to the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and the Regulations made there-under including the applicable safety standards, and in particular in terms of Section 7 and 8 of the Act, Construction regulations 7 and 8.

To inform the Principal Contractor that the Occupational Health and Safety Act, 1993 (Act 85 of 1993) in its entirety shall apply to the contract to which this specification document applies. The Construction Regulations promulgated on 07 February 2014 shall apply to any person involved in construction work pertaining to this project, as will the Act.

4. DEFINITIONS - The most important definitions in the Act and Regulations pertaining to this specification document are hereby extracted.

“Purpose of the Act” –

To provide for the health and safety of persons at work and the health and safety of persons in connection with the use of plant and machinery; the protection of persons other than persons at work against hazards to health and safety arising out of or in connection with the activities of persons at work; to establish an advisory council for occupational health and safety; and to provide for matters connected therewith.

“Agent” –

means any person who acts as a representative for a client;

“Client” –

means any person for whom construction work is performed;

“Construction Work” is defined as any work in connection with –

- (a) The construction, erection, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure; or
- (b) the construction, erection, maintenance, demolition or dismantling of any bridge, dam canal, road, railway, runway, runway, sewer or water reticulation system; or the moving of

earth, clearing or land, the making of excavation, piling or any similar civil engineering structure or type of work;

“Construction work permit”

means a document issued in terms of construction regulations 3

“Contractor” –

means an employer, as defined in Section 1 of the Act, who performs construction work and includes Principal Contractors;

“Health and Safety File” –

means a file, or other record in permanent form, containing the information required a contemplated in the regulations;

“Health and Safety Plan” –

means a documented plan which addresses hazards identified and includes safe work procedures to mitigate, reduce or control the hazards identified;

“Health and Safety Specification” –

means a documented specification of all health and safety requirements pertaining to the associated works on a construction site, so as to ensure the health and safety of persons;

“Method Statement” –

means a document detailing the key activities to be performed in order to reduce as reasonably as practicable the hazards identified in any risk assessment;

“Principal Contractor” –

means an employer, as defined in section 1 of the Act who performs construction work and is appointed by the client to be in overall control and management of a part of or the whole of a construction site;

“Risk Assessment” –

means a program to determine any risk associated with any hazard at a construction site, in order to identify the steps needed to be taken to remove, reduce or control such hazard.

5. OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

5.1 Structure and Organization of OH&S Responsibilities

5.1.1. Overall Supervision and Responsibility for OH&S

- * The Client and/or its Agent on its behalf to ensure that the Principal Contractor, appointed in terms of Construction Regulation 5(5), implements and maintains the agreed and approved H&S Plan. Failure on the part of the Client or Agent to comply with this requirement will not relieve the Principal Contractor from any one or more of his/her duties under the Act and Regulations.

- * The Chief Executive Officer of the Principal Contractor in terms of Section 16 (1) of the Act to ensure that the Employer (as defined in the Act) complies with the Act. The pro forma Legal Compliance Audit may be used for this purpose by the Principal Contractor or his/her appointed contractor.

- * All OH&S Act (85 /1993), Section 16 (2) appointee/s as detailed in his/her/their respective appointment forms to regularly, in writing, report to their principals on matters of health and safety per routine and ad hoc inspections and on any deviations as soon as observed, regardless of whether the observation was made during any routine or ad hoc inspection and to ensure that the reports are made available to the principal Contractor to become part of site records (Health & Safety File).

- * The Construction Manager and Assistant Construction Manager appointed in terms of Construction Regulation 8(1), 8(2) to regularly, in writing, report to their principals on matters of health and safety per routine and ad hoc inspections and on any deviations as soon as observed, regardless of whether the observation was made during any routine or ad hoc inspection and to ensure that the reports are made available to the principal Contractor to become part of site records (Health & Safety File).

- * All Health and Safety Representatives (SHE-Reps) shall act and report as per Section 18 of the Act.

5.1.2. Further (Specific) Supervision Responsibilities for OH&S

Several appointments or designations of responsible and /or competent people in specific areas of construction work are required by the Act and Regulations. The following competent appointments, where applicable, in terms of the Construction Regulations are required to ensure compliance to the Act, Regulations and Safety Standards.

Required appointments as per the Construction Regulations:-

Item	Regulation	Appointment	Responsible Person
1.	5(1)(k)	Principal contractor for each phase or project	Client
2.	7(1)(c)	Contractor	Principal Contractor
3.	7(2)(c)	Contractor	Contractor
4.	8(1)	Construction Manager	Principal Contractor
5.	8(2)	Construction Manager assistant	Principal Contractor
6.	8(5)	Construction Health and Safety Officer	Principal Contractor
7.	9(1)	Person to carry out risk assessment	Contractor
9.	10(1)(a)	Fall protection planner	Contractor
10.	12 (1)	Temporary works designer	Contractor
12.	13(1)(a)	Excavation supervisor	Contractor
13.	13(2)(b)(ii)(bb)	Professional engineer or technologist	Contractor
14.	13(2)(k)	Explosives expert	Contractor
15.	14(1)	Supervisor demolition work	Contractor
16.	14(11)	Demolition expert	Contractor
18.	16(1)	Scaffold supervisor and scaffold erector	Contractor
19.	17(1)	Suspended platform supervisor	Contractor
20.	17(2)(c)	Compliance plan developer	Contractor
21.	17(8)(c)	Suspended platform expert	Contractor
22.	17(13)	Outrigger expert	Contractor
23.	18(1)	Rope access supervisor	Contractor
24.	19(8)(a)	Material hoist inspector	Contractor
25.	20(1)	Bulk mixing plant supervisor	Contractor
26.	21(2)(b)	Explosive actuator expert	Contractor
27.	22(a)	Crane supervisor	Contractor
28.	24(d)	Temporal electrical installations controller	Contractor
29.	24(e)	Temporal electrical installations inspector	Contractor
30.	28(a)	Stacking and storage supervisor	Contractor
31.	29(h)	Fire equipment inspector	Contractor

This list may be used as a reference or tool to determine which components of the Act and Regulations would be applicable to a particular site, as was intended under paragraph 3 & 4 of the Chapter "Preamble" (page 4) above. This list must not be assumed to be exclusive or comprehensive.

5.2 Communication & Liaison

5.2.1 OH&S Liaison between the Employer, the Principal Contractor, the other Contractors, the Designer and other concerned parties shall be through the H&S Committee as per the procedures determined by the H&S Committee.

5.2.2 In addition to the above, communication may be directly to the Client or his appointed Agent, verbally or in writing, as and when the need arises.

- 5.2.3 Consultation with the workforce on OH&S matters will be through their Supervisors and H&S Representatives ('SHE – Reps')
- 5.2.4 The Principal Contractor will be responsible for the dissemination of all relevant OH&S information to the other Contractors e.g. design changes agreed with the Client and/or its Agent on its behalf and the Designer, instructions by the Client and/or his/her agent, exchange of information between Contractors, the reporting of hazardous/dangerous conditions/situations etc.

6. INTERPRETATION

(i) The Occupational Health and Safety Act and all its Regulations, with the exception of the Construction Regulations, distinguish between the roles, responsibilities and functions of employers and employees respectively. It views consultants and contractors as employees of the "owner" of a construction or operational project, the "owner" being regarded as the employer. Only if formally agreed to by way of the written agreement in this regard between the "owner(s)" and consultant and /or between the "owner(s)" and the contractor(s), will these assumptions be relinquished in favour of the position agreed upon between the relevant parties.

(ii) The position taken by the Construction Regulations is that the "owner", in terms of its instructions, operates (has to operate) in the role of client as per relevant definition. The contractors working for the "client" are seen to be in two categories, i.e. the Principal Contractor and Contractors. The Principal Contractor has to take full responsibility for the health and safety on the site of the relevant project / contract. This includes monitoring health and safety conditions and overseeing administrative measures required by the Construction Regulations from all contractors on the project site. (Ordinary / sub) Contractors are required to operate under the scrutiny and control (in terms of all health and safety measures which are covered in the Construction Regulations) of the Principal Contractor. Where, for the work the Principal Contractor will have to execute himself, practical health and safety measures are applicable, he will also be subject to the relevant requirements with which (ordinary / sub) Contractors have to comply. The Principal Contractor will, however, not have to actually fulfill such requirements in respect of any of the work / functions of any (ordinary / sub) Contractors on the site for which he has been appointed as Principal Contractor. However, he has to monitor / oversee such processes, ensuring that the requirements are complied with and that the required appointments / evaluations / inspections / assessments and tests are done and that the records are duly generated and kept as prescribed in the Construction Regulations. This has to feature clearly in the Principal Contractor's Health and Safety Plan.

7. RESPONSIBILITIES

7.1 Client

7.1.1 The Client or his appointed Agent on his behalf will appoint each Principal Contractor for this project or phase/section of the project in writing for assuming the role of Principal Contractor as intended by the Construction Regulations and determined by the Bills of Quantities.

7.1.2 The Client or his appointed Agent on his behalf shall discuss and negotiate with the Principal Contractor the contents of the health and safety plan of the both Principal Contractor and Contractor for approval.

7.1.3 The Client or his appointed Agent on his behalf, will take reasonable steps to ensure that the health and safety plan of both the Principal Contractor and Contractor is implemented and maintained. The steps taken will include periodic audits at intervals of at least once every month.

7.1.4 The Client or his appointed Agent on his behalf, will prevent the Principal Contractor and/or the Contractor from commencing or continuing with construction work should the Principal Contractor and/or the Contractor at any stage in the execution of the works be found to:

- have failed to have complied with any of the administrative measures required by the Construction Regulations in preparation for the construction project or any physical preparations necessary in terms of the Act;
- have failed to implement or maintain their health and safety plan;
- have executed construction work which is not in accordance with their health and safety plan; or
- act in any way which may pose a threat to the health and safety of any person(s) present on the site of the works or in its vicinity, irrespective of him/them being employed or legitimately on the site of the works or in its vicinity.

7.2 Principal Contractor

7.2.1 The Principal Contractor shall accept the appointment under the terms and Conditions of Contract. The Principal Contractor shall sign and agree to those terms and conditions and shall, before commencing work, notify the Department of Labour of the intended construction work in terms of Regulation 3 of the Construction Regulations. Annexure B of this Specification contains a “Notification of Construction Work” form. The Principal Contractor shall submit the notification in writing prior to commencement of work and inform the Client or his Agent accordingly.

7.2.2 The Principal Contractor shall ensure that he is fully conversant with the requirements of this Specification and all relevant health and safety legislation. This Specification is not intended to supersede the Act nor the Construction Regulations or any part of either. Those sections of the Act and the Construction Regulations which apply to the scope of work to be performed by the Principal Contractor in terms of this contract (entirely or in part) will continue to be legally required of the Principal Contractor to comply with. The Principal Contractor will in no manner or means be absolved from the responsibility to comply with all applicable sections of the Act, the Construction Regulations or any Regulations proclaimed under the Act or which may perceivable be applicable to this contract.

7.2.3 The Principal Contractor shall provide and demonstrate to the Client a suitable and sufficiently documented health and safety plan based on this Specification, the Act and the Construction Regulations, which shall be applied from the date of commencement of and for the

duration of execution of the works. This plan shall, as appendices, include the health and safety plans of all Sub-contractors for which he has to take responsibility in terms of this contract.

7.2.4 The Principal Contractor shall provide proof of his registration and good standing with the Compensation Fund or with a licensed compensation insurer prior to commencement with the works.

7.2.5 The Potential Principal Contractor shall, in submitting his tender, demonstrate that he has made provision for the cost of compliance with the specified health and safety requirements, the Act and Construction Regulations. (Note: This shall have to be contained in the conditions of tender upon which a tenderer's offer is based.)

7.2.6 The Principal Contractor shall consistently demonstrate his competence and the adequacy of his resources to perform the duties imposed on the Principal Contractor in terms of this Specification, the Act and the Construction Regulations.

7.2.7 The Principal Contractor shall ensure that a copy of his health and safety plan is available on site and is presented upon request to the Client, an Inspector, Employee or Sub-contractor.

7.2.8 The Principal Contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the provisions of this Specification, the Act and the Construction Regulations, is opened and kept on site and made available to the Client or Inspector upon request. Upon completion of the works, the Principal Contractor shall hand over a consolidated health and safety file to the Client.

7.2.9 The Principal Contractor shall, throughout execution of the contract, ensure that all conditions imposed on his Sub-contractors in terms of the Act and the Construction Regulations are complied with as if they were the Principal Contractor.

7.2.10 The Principal Contractor shall from time to time evaluate the relevance of the Health and Safety Plan and revise the same as required, following which revised plan shall be submitted to the Client and/or his/her Agent for approval.

7.3 **Contractor** (Responsibilities of in terms of this contract and health and safety specification)

As per 7.2 above, as and where applicable or as indicated in the letter of appointment.

8. SCOPE OF WORK (*also refer to paragraph 2 on page 5*)

These specifications are applicable to the specific scope of work pertaining to the above-mentioned project as detailed in the tender documents, this amongst all includes for example:

"Phase 1 – Refurbishment of existing houses & outbuildings for Library information services consisting of elaborate audio visual aids and facilities including auditoriums.

- *Site clearance (what does this entail?)*
- *Site hoarding, demarcation and demolition as follows:*

- Bulk Earthworks comprising...(excavations, filling, compaction, evening surface.....)
- Piling (by drilling, excavating.....pile driving....pile hammering....???)

Phase 2 – Construction of a new four (4) storied Administration building.

- Preparation of site by leveling, compaction etc.
- Excavations for parking areas/services
- Etc.”

(elaborate sufficiently and provide adequate information to give full understanding of all work to be done)

[Notes to the Client, Designer, Project Manager, Architect, Agent:

add references to the above project and include specific elements identified as the ‘Critical Few’. The ‘Critical Few’ refer to those few or singular elements of the project that have the potential to impact in a major or devastating way on the project as a whole in the event of an accident or incident occurring. (20:80 principle)

Because of the inherent generic nature of the Health and Safety Specifications document, specific relevant information on the project must be provided and it may be necessary to draft the required information under this paragraph on a separate attached document.

If at any time after commencement of the project changes are brought about to the design or construction, sufficient health and safety information and appropriate resources are to be made available to the Principal Contractor to execute the work safely.]

N.B Construction Regulation 5(1)(g) determines that potential contractors submitting tenders have made provision for the cost of health and safety measures during the construction process. The Principal Contractor shall on tendering make provision for the cost of health and safety measures in terms of his/her documented Health and Safety Plan and measures based on these Health and Safety Specifications during the period of the project. The cost shall be duly quantified and clearly identified for such identifiable purpose.

THE HEALTH AND SAFETY PLAN IS THEREFORE TO BE INCLUDED WITH THE TENDER DOCUMENTS WHEN TENDERS ARE INVITED FOR THE PROJECT.

9. HEALTH AND SAFETY FILE

The Principal Contractor must, in terms of Construction Regulation 7(1)(b), keep a Health & Safety File on site at all times that must include all documentation required in terms of the Act and Regulations and must also include a list of all Contractors on site that are accountable to the Principal Contractor and the agreements between the parties and details of work being done. A more detailed list of documents and other legal requirements that must be kept in the Health and Safety File is attached as an addendum to this document.

IMPORTANT:

The Health and Safety File will remain the property of the Client and/or its Agent on its behalf throughout the period of the project and shall be consolidated and handed over to the Client and/or its Agent on its behalf at the time of completion of the project.

10. OH&S GOALS AND OBJECTIVES AND ARRANGEMENTS FOR MONITORING AND REVIEWING OH&S PERFORMANCE

The Principal Contractor is required to maintain an acceptable disabling incident frequency rate (DIFR) and report on this to the Client and/or its Agent on its behalf on a monthly basis.

11. IDENTIFICATION OF HAZARDS AND DEVELOPMENT OF RISK ASSESSMENTS, STANDARD WORKING PROCEDURES (SWP) AND METHOD STATEMENTS

The Principal Contractor is required to develop Risk Assessments, Standard Working Procedures (SWP) and Method Statements for each activity executed in the contract or project (see 4. below "Project/Site Specific Requirements")

The identification of hazards is over and above the hazards identification programme and those hazards identified during the drafting of the Health and Safety Plan.

12. ARRANGEMENTS FOR MONITORING AND REVIEW

12.1 Monthly Audit by Client and/or its Agent on its behalf

The Client and/or its Agent on its behalf will be conducting Periodic Audits at times agreed with the Principal Contractor Audit to comply with Construction Regulation 7(1)(c)(vii) to ensure that the principal contractor has implemented, is adhering to and is maintaining the agreed and approved OH&S Plan.

12.2 Other audits and inspections by client and/or its agent on its behalf.

The Client and/or its Agent on its behalf reserves the right to conduct any other ad hoc audits and inspections as it and/or its Agent on its behalf deem necessary.

A representative of the Principal Contractor and the relevant Health and Safety Representative(s) (SHE-Reps) must accompany the Client and/or its Agent on its behalf on all Audits and Inspections and may conduct their own audit/inspection at the same time. Each party will, however, take responsibility for the results of his/her own audit/inspection results. The Client and/or its Agent on its behalf may require to be handed a copy of the minutes of the previous

Health and Safety Committee meeting reflecting possible recommendations made by that committee to the Employer for reference purposes.

12.3 Reports

12.3.1 The Principal Contractor shall report all incidents where an employee is injured on duty to the extent that he/she:

- * dies
- * becomes unconscious
- * loses a limb or part of a limb
- * is injured or becomes ill to such a degree that he/she is likely either to die or to suffer a permanent physical defect or likely to be unable for a period of at least 14 days either to work or continue with the activity for which he/she was usually employed

OR where:

- * a major incident occurred
- * the health or safety of any person was endangered
- * where a dangerous substance was spilled
- * the uncontrolled release of any substance under pressure took place
- * machinery or any part of machinery fractured or failed resulting in flying, falling or uncontrolled moving objects
- * machinery ran out of control,

to the Provincial Director of the Department of Labour within seven days and at the same time to the Client and/or its Agent on its behalf.

Refer in this regard to Section 24 of the Act & General Administrative Regulation 8.

12.3.2 The Principal Contractor is required to provide the Client and/or its Agent on its behalf with copies of all statutory reports required in terms of the Act and the Regulations.

12.3.3 The Principal Contractor is required to provide the Client and/or its Agent on its behalf with a monthly "SHE Risk Management Report".

12.3.4 The Principal Contractor is required to provide a.s.a.p. the Client and/or its Agent on its behalf with copies of all internal and external accident/incident investigation reports including the reports contemplated in 12.7, 12.8.2, 15, 16, 17, 21 and 22 below. As soon as the occurrence of any accident/incident of whatever nature comes to the notice of the Principal Contractor, it shall be reported immediately to the relevant Regional Manager for that particular jurisdiction.

12.4 Review

The Principal Contractor is to review the Hazard Identification, Risk Assessments and Standard Work Processes at each Production Planning and Progress Report meeting as the construction

work develops and progresses and each time changes are made to the designs, plans and construction methods and processes.

The Principal Contractor must provide the Client and/or its Agent on its behalf, other Contractors and all other concerned parties with copies of any changes, alterations or amendments as contemplated in the above paragraph.

12.5 Site Rules and other Restrictions

12.5.1 Site OH&S Rules

The Principal Contractor must develop a set of site-specific OH&S rules that will be applied to regulate the Health and Safety Plan and associated aspects of the construction.

When required for a site by law, visitors and non-employees upon entering the site shall be issued with the proper Personal Protective Equipment (PPE) as and when necessary.

12.5.2 Security Arrangements

The Principal Contractor must establish site access rules and implement and maintain these throughout the construction period. Access control must include the rule that non-employees shall at all times be provided with fulltime supervision while on site.

The Principal Contractor must develop a set of Security rules and procedures and maintain these throughout the construction period.

If not already tasked to the H&S Officer appointed in terms of Construction Regulation 6(6), the Principal Contractor must appoint a competent Emergency Controller who must develop contingency plans for any emergency that may arise on site as indicated by the risk assessments. These must include a monthly practice/testing programme for the plans e.g. January: trench collapse, February: flooding etc. and practiced/tested with all persons on site at the time, participating.

12.6 Training

The contents and syllabi of all training required by the Act and Regulations including any other related or relevant training as required must be included in the Principal Contractor's Health and Safety Plan and Health and Safety File.

12.6.1 General Induction Training

All employees of the Principal and other Contractors must be in possession of proof of General Induction training

12.6.2 Site Specific Induction Training

All employees of the Principal and other Contractors must be in possession of Site Specific Occupational Health and Safety Induction or other qualifying training.

12.6.3 Other Training

All operators, drivers and users of construction vehicles, mobile plant and other equipment must be in possession of valid proof of training.

All employees in jobs requiring training in terms of the Act and Regulations must be in possession of valid proof of training as follows:

Occupational Health and Safety Training Requirements: (as required by the Construction Regulations and as indicated by the Health and Safety Specification Document & the Risk Assessment/s and recommendations by the Health and Safety Committee):

- * General Induction (Section 8 of the Act)
- * Site/Job Specific Induction (also visitors) (Sections 8 & 9 of the Act)
- * Site/Project Manager
- * Construction Supervisor
- * OH&S Representatives (Section 18 (3) of the Act)
- * Training of the Appointees indicated in 12.6.1 & 12.6.2 above
- * Operation of Cranes (Driven Machinery Regulations 18 (11))
- * Operators & Drivers of Construction Vehicles & Mobile Plant (Construction Regulation 23)
- * Basic Fire Prevention & Protection (Environmental Regulations 9 and Construction Regulation 29)
- * As a minimum basic First Aid to be upgraded when necessary (General Safety Regulations 3)
- * Storekeeping Methods & Safe Stacking (Construction Regulation 28)
- * Emergency, Security and Fire coordinator

12.7 Accident and Incident Investigation

The Principal Contractor is responsible to oversee the investigation of all accidents/incidents where employees and non-employees were injured to the extent that he/she/they had to receive first aid or be referred for medical treatment by a doctor, hospital or clinic. (General Administrative Regulation 9)

The results of the investigation to be entered into the Accident/Incident Register listed above. (General Administrative Regulation 9)

The Principal Contractor is responsible for the investigation of all non-injury incidents as described in Section 24 (1) (b) & (c) of the Act and keeping a record of the results of such investigations including the steps taken to prevent similar incidents in future.

The Principal Contractor is responsible for the investigation of all road traffic accidents relating to the construction site and keeping a record of the results of such investigations including the steps taken to prevent similar accidents in future.

Notwithstanding the requirements of Section 24 of the Act, ALL incidents shall be investigated and reported on in writing, irrespective of whether such incident gave rise to injury or damage.

12.8 H&S Representatives (SHE-Reps – ‘safety, health & environment’) and H&S Committees

12.8.1 Designation of H&S Representatives(‘SHE – Reps’)

Where the Principal Contractor employs more than 20 persons (including the employees of other Contractors (sub-contractors) he has to appoint one H&S Representative for every 50 employees or part thereof. (Section 17 of the Act and General Administrative Regulation 6. & 7.)

H&S Representatives have to be designated in writing and the designation shall be in accordance with the Collective Agreement as concluded between the parties as is required in terms of General Administration Regulation 6.

12.8.2 Duties and Functions of the H&S Representatives

The Principal Contractor must ensure that the designated H&S Representatives conduct at least a weekly inspection of their respective areas of responsibility using a checklist and report thereon to the Principal Contractor, after which these reports shall be consolidated for submission to the Health and Safety Committee.

H&S Representatives must be included in and be part of accident/incident investigations.

H&S Representatives shall be members of at least one H&S Committee and must attend all meetings of that H&S committee.

12.8.3 Establishment of H&S Committee(s)

The Principal Contractor must establish H&S Committees consisting of designated H&S Representatives together with a number of Employers Representatives appointed as per Section 19(3) that are not allowed to exceed the number of H&S Representatives on the committee. The persons nominated by the employer on a H&S Committee must be designated in writing for such period as may be determined by him. The H&S Committee shall co-opt advisory (temporary) members and determine the procedures of the meetings including the chairmanship.

The H&S Committee must meet minimum monthly and consider, at least, the following Agenda for the first meeting. Thereafter the H&S Committee shall determine its own procedures as per the previous paragraph.

Agenda:

- 1) Opening and determining of chairmanship (only when necessary)
- 2) Minutes of Previous Minutes
- 3) Observations
- 4) Program and Safety considerations
- 5) Hygiene
- 6) Housekeeping improvement
- 7) Incidents & Accidents / Injuries
- 8) Registers:
 - a H&S Rep. Inspections
 - b. Matters of First Aid

- c. Scaffolding
- d. Ladders
- e. Excavations
- f. Portable Electric Equipment
- g. Fire Equipment
- h. Explosive Power Tools
- i. Power Hand tools
- j. Incident! Report Investigation
- k. Pressure Vessels
- l. Personal Protective Equipment
- 9) Safety performance Evaluations
- 10) Education & Safety promotion program
- 11) First Aid Officials and training in First Aid
- 12) Demarcation of work- /hazardous-/safe areas/walkways
- 13) Posters and signage
- 14) Environmental preservation and conservation
- 15) Specific training programmes
- 16) General
- 17) Date of Next Meeting
- 18) Closing

13. PROJECT/SITE SPECIFIC REQUIREMENTS

The following is a list of specific activities and considerations that have been identified for the project and site and for which Risk Assessments, Standard Working Procedures (SWP), management and control measures and Method Statements (where necessary) have to be developed by the Principal Contractor:

- * Clearing & Grubbing of the Area/Site
- * Site Establishment including:
 - o Office/s
 - o Secure/Safe Storage and storage areas for materials, plant & equipment
 - o Ablution facilities
 - o Sheltered dining area
 - o Vehicle access to the site
- * Dealing with existing Structures.
- * Location of existing Services
- * Installation & Maintenance of Temporary Construction Electrical Supply, Lighting and Equipment
- * Adjacent Land uses/Surrounding property exposures
- * Boundary & Access control/Public Liability Exposures (Remember: the Employer is also responsible for the OH&S of non-employees affected by his/her work activities.)
- * Health risks arising from neighboring as well as own activities and from the environment e.g. threats by dogs, bees, snakes, lightning, allergies etc.
- * Exposure to Noise
- * Exposure to Vibration
- * Protection against dehydration and heat exhaustion
- * Protection from wet & cold conditions
- * Dealing with HIV/Aids and other diseases as per specific programme provided by the client and/or its Agent on its behalf

- * Use of Portable Electrical Equipment including:
 - Angle grinder
 - Electrical Drilling machine
 - Skill saw
- * Excavations including:
 - Ground/soil conditions
 - Trenching
 - Shoring
 - Drainage
 - Daily inspections
- * Welding including:
 - Arc Welding
 - Gas welding
 - Flame Cutting
 - Use of LP Gas torches and appliances
- * Loading & Offloading of Trucks
- * Aggregate/Sand and other Materials Delivery
- * Manual and Mechanical Handling
- * Lifting and Lowering Operations
- * Driving & Operation of Construction Vehicles and Mobile Plant including:
 - Trenching machine
 - Excavator
 - Bomag Roller
 - Plate Compactor
 - Front End Loader
 - Mobile Cranes and the ancillary lifting tackle
 - Parking of Vehicles & Mobile Plant
 - Towing of Vehicles & Mobile Plant
- * Use and Storage of Flammable Liquids and other Hazardous Substances – the client and/or its Agent on its behalf to be informed of this prior to commencing of the project
- * Layering and Bedding of trench floor
- * Installation of Pipes in trenches
- * Backfilling of Trenches
- * Protection against Flooding
- * Gabion work
- * Use of Explosives - the client and/or its Agent on its behalf to be informed of this prior to commencing of the project
- * Protection from Overhead Power Lines
- * As discovered by the Principal Contractor's hazard identification exercise
- * As discovered from any inspections and audits conducted by the Client and/or its Agent on its behalf or by the Principal Contractor or any other Contractor on site
- * As discovered from any accident/incident investigation.

13.1 The following are in particular requirements depending on scope of works and will form a basis for compliance audits.

1. Administrative & Legal Requirements
2. Education, Training & Promotion
3. Public Safety & Emergency Preparedness

4. Personal Protective Equipment
5. Housekeeping
6. Scaffolding, Formwork & Support work
7. Ladders
8. Electrical Safeguarding
9. Emergency/Fire Prevention & Protection
10. Excavations & Demolition
11. Tools
12. Cranes
13. Personnel & Material Hoists
14. Transport & Materials Handling
15. Site Plant & Machinery
16. Plant & Storage Yards/Site Workshops Specifics
17. Health & Hygiene

14. OUTLINED DATA, REFERENCES AND INFORMATION ON CERTAIN AND/OR SPECIFIC OBLIGATORY REQUIREMENTS TO ENSURE COMPLIANCE

14.1 Administrative & Legal Requirements

OHS Act Section/ Regulation	Subject	Requirements
Construction Regulation 3	Construction work permit	Apply to the Provincial Labour Office for any construction work as defined under CR 3(1)(a)(b) & (c)
Construction. Regulation 4	Notice of carrying out Construction work	Department of Labour notified Copy of Notice available on Site
General Admin. Regulation 4	*Copy of OH&S Act (Act 85 of 1993)	Updated copy of Act & Regulations on site. Readily available for perusal by employees.
COID Construction regulations 5(1)(j)	*Registration with Compensation Insurer	Written proof of registration/Letter of good standing available on Site
Construction. Regulation 5(1)(b) & 5(1)(n)	H&S Specification & Programme	H&S Spec received from Client and/or its Agent on its behalf OH&S programme developed & Updated regularly
Section 8(2)(d) Construction. Regulation 9	*Hazard Identification & Risk Assessment	Hazard Identification carried out/Recorded Risk Assessment and – Plan drawn up/Updated RA Plan available on Site Employees/Sub-Contractors informed/trained
Section 16(2)	*Assigned duties (Managers)	Responsibility of complying with the OH&S Act assigned to other person/s by CEO.
Construction. Regulation 8(1)	Designation of Person Responsible on Site	Competent person appointed in writing as Construction Manager with job description
Construction. Regulation 8(2)	Designation of Assistant for above	Competent person appointed in writing as Assistant Construction Supervisor with job description
Section 17 & 18	*Designation of	More than 20 employees - one H&S Representative, one

General Administrative Regulations 6 & 7	Health & Safety Representatives	additional H&S Rep. for each 50 employees or part thereof. Designation in writing, period and area of responsibility specified in terms of GAR 6 & 7 Meaningful H&S Rep. reports. Reports actioned by Management.
Section 19 & 20 General Administrative Regulations 5	*Health & Safety Committee/s	H&S Committee/s established. All H&S Reps shall be members of H&S Committees Additional members are appointed in writing. Meetings held monthly, Minutes kept. Actioned by Management.
Section 37(1) & (2)	*Agreement with Mandataries/ (Sub-)Contractors	Written agreement with (Sub-)Contractors List of (Sub-) Contractors displayed. Proof of Registration with Compensation Insurer/Letter of Good Standing Construction Supervisor designated Written arrangements re. H&S Reps & H&S Committee Written arrangements re. First Aid
Section 24 & General Admin. Regulation 8 COID Act Sect.38, 39 & 41	*Reporting of Incidents (Dept. of Labour)	Incident Reporting Procedure displayed. All incidents in terms of Sect. 24 reported to the Provincial Director, Department of Labour, within 3 days. (Annexure 1?)(WCL 1 or 2) and to the Client and/or its Agent on its behalf Cases of Occupational Disease Reported Copies of Reports available on Site Record of First Aid injuries kept
General Admin. Regulation 9	*Investigation and Recording of Incidents	All injuries which resulted in the person receiving medical treatment other than first aid, recorded and investigated by investigator designated in writing. Copies of Reports (Annexure 1) available on Site Tabled at H&S Committee meeting Action taken by Site Management.
Construction. Regulation 10	Fall Prevention & Protection	Competent person appointed to draw up and supervise the Fall Protection Plan Proof of appointees competence available on Site Risk Assessment carried out for work at heights Fall Protection Plan drawn up/updated Available on Site
Construction. Regulation 11	Structures	Information re. the structure being erected received from the Designer including: - geo-science technical report where relevant - the design loading of the structure - the methods & sequence of construction - anticipated dangers/hazards/special measures to construct safely Risk Assessment carried out Method statement drawn up All above available on Site Structures inspected before each shift. Inspections register kept

Construction. Regulation 16	Scaffolding	Competent persons appointed in writing to: - erect scaffolding (Scaffold Erector/s) - act as Scaffold Team Leaders - inspect Scaffolding weekly and after inclement weather (Scaffold Inspector/s) Written Proof of Competence of above appointees available on Site Risk Assessment carried out Inspected weekly/after bad weather. Inspection register/s kept
Construction. Regulation 17	Suspended Platforms	Competent persons appointed in writing to: - control the erection of Suspended platforms - act as Suspended platforms Team Leaders - inspect Suspended Scaffolding weekly and after inclement weather Risk Assessment conducted Certificate of Authorisation issued by a registered professional engineer available on Site/copy forwarded to the Department of Labour The following inspections of the whole installation carried out by a competent person - after erection and before use - daily prior to use. Inspection register kept The following tests to be conducted by a competent person: - load test of whole installation and working parts every three months - hoisting ropes/hooks/load attaching devices quarterly. Tests log book kept Employees working on Suspended Platform medically examined for physical & psychological fitness. Written proof available
Construction. Regulation 13	Excavations	Competent person/s appointed in writing to supervise and inspect excavation work Written Proof of Competence of above appointee/s available on Site Risk Assessment carried out Inspected: - before every shift - after any blasting - after an unexpected fall of ground - after any substantial damage to the shoring - after rain. Inspections register kept Method statement developed where explosives will be/are used
Construction. Regulation 14	Demolition Work	Competent person/s appointed in writing to supervise and control Demolition work Written Proof of Competence of above appointee/s available on Site Risk Assessment carried out

		Engineering survey and Method Statement available on Site Inspections to prevent premature collapse carried out by competent person before each shift. Inspection register kept
Construction. Regulation 19	Materials Hoist	Competent person appointed in writing to inspect the Material Hoist Written Proof of Competence of above appointee available on Site. Materials Hoist to be inspected weekly by a competent person. Inspections register kept.
Construction. Regulation 21	Explosive actuated fastening device	Competent person appointed to control the issue of the Explosive actuated fastening & cartridges and the service, maintenance and cleaning. Register kept of above Empty cartridge cases/nails/fixing bolts returns recorded Cleaned daily after use Work areas are demarcated!
Construction. Regulation 20	Bulk mixing plant	Competent person appointed to control the operation of the Bulk mixing plant and the service, maintenance and cleaning. Register kept of above Risk Assessment carried out Bulk mixing plant to be inspected weekly by a competent person. Inspections register kept
Construction. Regulation 23/ Driven Machinery Regulations 18 & 19	Cranes & Lifting Machines Equipment	Competent person appointed in writing to inspect Cranes, Lifting Machines & Equipment Written Proof of Competence of above appointee available on Site. Cranes & Lifting tackle identified/numbered Register kept for Lifting Tackle Log Book kept for each individual Crane Inspection: - All cranes - daily by operator - Tower Crane/s - after erection/6monthly - Other cranes - annually by comp. person - Lifting tackle(slings/ropes/chain slings etc.) - daily or before every new application
Construction. Regulation 24/Electrical Machinery Regulations 9 & 10/ Electrical Installation Regulations	*Inspection & Maintenance of Electrical Installation & Equipment (including portable electrical tools)	Competent person appointed in writing to inspect/test the installation and equipment. Written Proof of Competence of above appointee available on Site. Inspections: - Electrical Installation & equipment inspected after installation, after alterations and quarterly. Inspection Registers kept Portable electric tools, electric lights and extension leads must be uniquely identified/numbered. Weekly visual inspection by User/Issuer/Storeman. Register kept.
Construction. Regulation 28/ General Safety	*Designation of Stacking & Storage Supervisor.	Competent Person/s with specific knowledge and experience designated to supervise all Stacking & Storage

Regulation 8(1)(a)		Written Proof of Competence of above appointee available on Site
Construction. Regulation 29/ Environmental Regulation 9	*Designation of a Person to Co-ordinate Emergency Planning And Fire Protection	Person/s with specific knowledge and experience designated to co-ordinate emergency contingency planning and execution and fire prevention measures Emergency Evacuation Plan developed: - Drilled/Practiced - Plan & Records of Drills/Practices available on Site Fire Risk Assessment carried out All Fire Extinguishing Equipment identified and on <i>register</i> . Inspected weekly. Inspection Register kept Serviced annually
General Safety Regulation 3	*First Aid	Every workplace provided with sufficient number of First Aid boxes. (Required where 5 persons or more are employed) First Aid freely available Equipment as per the list in the OH&S Act. One qualified First Aider appointed for every 50 employees. (Required where more than 10 persons are employed) List of First Aid Officials and Certificates Name of person/s in charge of First Aid box/es displayed. Location of First Aid box/es clearly indicated. Signs instructing employees to report all Injuries/illness including first aid injuries
General Safety Regulation 2	Personal Safety Equipment (PSE)	PSE Risk Assessment carried out Items of PSE prescribed/use enforced Records of Issue kept Undertaking by Employee to use/wear PSE PSE remain property of Employer, not to be removed from premises GSR 2(4)
General Safety Regulation 9	*Inspection & Use of Welding/Flame Cutting Equipment	Competent Person/s with specific knowledge and experience designated to Inspect Electric Arc, Gas Welding and Flame Cutting Equipment Written Proof of Competence of above appointee available on Site All new vessels checked for leaks, leaking vessels NOT taken into stock but returned to supplier immediately Equipment identified/numbered and entered into a register Equipment inspected weekly. Inspection Register kept Separate, purpose made storage available for full and empty vessels
Pressure Equipment Regulations (PER)	Pressure Equipment Regulations (PER)	Competent Person/s with specific knowledge and experience designated to supervise the use, storage, maintenance, statutory inspections & testing of Pressure Equipment. Written Proof of Competence of above appointee available on Site

		<p>Risk Assessment carried out</p> <p>Certificates of Manufacture available on Site</p> <p>Register of Pressure Equipment on Site</p> <p>Inspections & Testing by Approved Inspection Authority (AIA):</p> <ul style="list-style-type: none"> - after installation/re-erection or repairs - Annual External inspections, - every 36 months. - Register/Log kept of inspections, tests. <p>Modifications & repair</p> <p>A risk based inspection process by an authorised certification body, SAQCC(IPE) registered person</p>
Construction. Regulation 23	Construction Vehicles & Mobile Plant	<p>Operators/Drivers appointed to:</p> <ul style="list-style-type: none"> - Carry out a daily inspection prior to use - Drive the vehicle/plant that he/she is competent to operate/drive <p>Written Proof of Competence of above appointee available on Site. Record of Daily inspections kept</p>
General Safety Regulation 13A	*Inspection of Ladders	<p>Competent person appointed in writing to inspect Ladders</p> <p>Ladders inspected at arrival on site and weekly there after. Inspections register kept</p> <p>Application of the types of ladders (wooden, aluminium etc.) regulated by training and inspections and noted in register</p>
General Safety regulation 13B	Ramps	<p>Competent person appointed in writing to Supervise the erection & inspection of Ramps. Inspection register kept.</p> <p>Daily inspected and noted in register</p>

14.2 Education & Training

Subject	Requirement
*Company OH&S Policy Section 7(1)	Policy signed by CEO and published/Circulated to Employees Policy displayed on Employee Notice Boards Management and employees committed.
*Company/Site OH&S Rules (Section 13(a))	Rules published Rules displayed on Employee Notice Boards Rules issued and employees effectively informed or trained: written proof Follow-up to ensure employees understand/adhere to the policy and rules.
*Induction & Task Safety Training (Section 13(a))	All new employees receive OH&S Induction Training. Training includes Task Safety Instructions. Employees acknowledge receipt of training. Follow-up to ensure employees understand/adhere to instructions.
*General OH&S Training (Section 13(a))	All current employees receive specified OH&S training: written proof Operators of Plant & Equipment receive specified training Follow-up to ensure employees understand/adhere to instructions.
*Occupational Health &	<u>Incident Experience Board</u> indicating e.g. * No. of hours worked without an Injury

Safety Promotion	<p>* No. of days worked without an Injury</p> <p>Mission, Vision and Goal</p> <p>Star Grading - Board kept up to date.</p> <p>Safety Posters displayed & changed regularly</p> <p>Employee Notice Board for OH&S Notices.</p> <p>Site OH&S Competition.</p> <p>Company OH&S Competition.</p> <p>Participation in Regional OH&S Competition</p> <p>Suggestion scheme.</p>
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14.3 Public Safety, Security Measures & Emergency Preparedness

Subject	Requirement
*Notices & Signs	<p>Notices & Signs at entrances / along perimeters indicating “No Unauthorised Entry”.</p> <p>Notices & Signs at entrance instructing visitors and non - employees what to do, where to go and where to report on entering the site/yard with directional signs. e.g. “Visitors to report to Office”</p> <p>Notices & Signs posted to warn of overhead work and other hazardous activities. e.g. General Warning Signs</p>
Site Safeguarding	Nets, Canopies, Platforms, Fans etc. to protect members of the public passing / entering the site.
*Security Measures	<p>Access control measures/register in operation</p> <p>Security patrols after hours during weekends and holidays</p> <p>Sufficient lighting after dark</p> <p>Guard has access to telephone/ mobile/other means of emergency communication</p>
*Emergency Preparedness	<p>Emergency contact numbers displayed and made available to Security & Guard</p> <p>Emergency Evacuation instructions posted up on all notice boards (including employees' notice boards)</p> <p>Emergency contingency plan available on site/in yard</p> <p>Doors open outwards/unobstructed</p> <p>Emergency alarm audible all over (including in toilets)</p>
*Emergency Drill & Evacuation	<p>Adequate No. of employees trained to use Fire Fighting Equipment.</p> <p>Emergency Evacuation Plan available, displayed and practiced.</p> <p>(See Section 1 for Designation & Register)</p>

14.4 Personal Protective Equipment

Subject	Requirement
*PPE needs analysis	<p>Need for PPE identified and prescribed in writing.</p> <p>PPE remain property of Employer, not to be removed from premises GSR 2(4)</p>
*Head Protection	All persons on site wearing Safety Helmets including Sub-contractors and Visitors (where prescribed)
*Foot Protection	<p>All employees on site wearing Safety Footwear including Gumboots for concrete / wet work and non-slip shoes for roof work.</p> <p>Visitors to wear same upon request or where prescribed</p>
*Eye and Face Protection	<u>Eye and Face (also Hand and Body) Protection</u> (Goggles, Face Shields, Welding Helmets etc.) used when operating the following:

	<ul style="list-style-type: none"> * Jack/ Kango Hammers * Angle / Bench Grinders * Electric Drills (Overhead work into concrete / cement / bricks) * Explosive Powered tools * Concrete Vibrators / Pokers * Hammers & Chisels * Cutting / Welding Torches * Cutting Tools and Equipment * Guillotines and Benders * Shears * Sanders and Sanding Machines * CO2 and Arc Welding Equipment * Skill / Bench Saws * Spray Painting Equipment etc.
*Hearing Protection	<p>Hearing Protectors (Muffs, Plugs etc.) used when operating the following:</p> <ul style="list-style-type: none"> * Jack / Kango Hammers * Explosive Powered Tools * Wood/Aluminium Working Machines e.g. saws, planers, routers
*Hand Protection	<p>Protective Gloves worn by employees handling / using:</p> <ul style="list-style-type: none"> * Cement / Bricks / Steel / Chemicals * Welding Equipment * Hammers & Chisels * Jack / Kango Hammers etc.
*Respiratory Protection	<p>Suitable/efficient prescribed <u>Respirators</u> worn correctly by employees handling / using:</p> <ul style="list-style-type: none"> * Dry cement * Dusty areas * Hazardous chemicals * Angle Grinders * Spray Painting etc.
*Fall Prevention Equipment	<p>Suitable <u>Safety Belts</u> / Fall Arrest Equipment correctly used by persons working on / in unguarded, elevated positions e.g.:</p> <ul style="list-style-type: none"> * Scaffolding * Riggers * Lift shafts * Edge work * Ring beam edges etc. <p>Other methods of fall prevention applied e.g. catch nets</p>
*Protective Clothing	<p>All jobs requiring protective clothing (Overalls, Rain Wear, Welding Aprons etc.) Identified and clothing worn.</p>
*PPE Issue & Control	<p>Identified Equipment issued free of charge. All PPE maintained in good condition. (Regular checks). Workers instructed in the proper use & maintenance of PPE. Commitment obtained from wearer accepting conditions and to wear the PPE. Record of PPE issued kept on H&S File. PPE remain property of Employer, not to be removed from premises GSR 2(4)</p>

14.5 Housekeeping

Subject	Requirement
*Scrap Removal System	All items of Scrap/Unusable Off-cuts/Rubble and redundant material removed from working areas on a regular basis. (Daily) Scrap/Waste removal from heights by chute/hoist/crane. Nothing thrown/swept over sides. Scrap disposed of in designated containers/areas Removal from site/yard on a regular basis.
Stacking & Storage (See Section 1 for Designation & Register)	<u>Stacking:</u> <ul style="list-style-type: none"> * Stable, on firm level surface/base. * Prevent leaning/collapsing * Irregular shapes bonded * Not exceeding 3x the base * Stacks accessible * Removal from top only. <u>Storage:</u> <ul style="list-style-type: none"> * Adequate storage areas provided. * Functional – e.g. demarcated storage areas/racks/bins etc. * Special areas identified and demarcated e.g. flammable gas, cement etc. * Neat, safe, stable and square. * Store/storage areas clear of superfluous material. * Storage behind sheds etc. neat/under control. * Storage areas free from weeds, litter etc.
*Waste Control/Reclamation	Re-usable off-cuts and other re-usable material removed daily and kept to a minimum in the work areas. All re-usable materials neatly stacked/stored in designated areas. (Nails removed/bent over in re-usable timber). Issue of hardware/nails/screws/cartridges etc. controlled and return of unused items monitored.
Sub-contractors (Housekeeping)	Sub-contractors required to comply with Housekeeping requirements.

14.6 Working at Heights (including roof work)

Subject	Requirement
Openings	Unprotected openings adequately guarded/fenced/barricaded/catch nets installed Roof work discontinued when bad/hazardous weather Fall protection measures (including warning notices) when working close to edges or on fragile roofing material Covers over openings in roof of robust construction/secured against displacement

14.7 Scaffolding / Formwork / Support Work

Subject	Requirement
Access/System Scaffolding	Foundation firm / stable Sufficient bracing. Tied to Structure/prevented from side or cross movement Platform boards in good condition/sufficient/secured.

	<p>Handrails and toe boards provided. Access ladders / stairs provided. Area/s under scaffolding tidy. Safe/unsafe for use signs Complying with OH&S Act/SABS 085</p>
Free Standing Scaffolding	<p>Foundation firm / stable Sufficient bracing. Platform boards in good condition/sufficient/secured. Handrails and toe boards provided. Access ladders / stairs provided. Area/s under scaffolding tidy. Safe/unsafe for use signs Height to base ratio correct Outriggers used /tied to structure where necessary Complying with OH&S Act/SABS 085</p>
*Mobile Scaffolding	<p>Foundation firm / stable Sufficient bracing. Platform boards in good condition/sufficient/secured. Handrails and toe boards provided. Access ladders / stairs provided. Area/s under scaffolding tidy. Safe/unsafe for use signs</p>
*Mobile Scaffolding	<p>Wheels / swivels in good condition Brakes working and applied. Height to base ratio correct. Outriggers used where necessary Complying with OH&S Act/SABS 085</p>
Suspended Scaffolding	<p>Outriggers securely supported and anchored. Correct No. of steel wire ropes used. Platform as close as possible to the structure. Handrails on all sides All winches / ropes / cables / brakes inspected regularly and replaced as prescribed Scaffolding complies with OHS Act (Act 85/93) Winch(es) maintained by competent person(s)</p>
Formwork / Support Work	<p>All components in good condition. Foundation firm / stable. Adequate bracing / stability ensured. Good workmanship / uprights straight and plumb. Good cantilever construction. Safe access provided. Areas under support work tidy. Same standards as for system scaffolding.</p>
Special Scaffolding	<p>Special Scaffolding e.g. Cantilever, Jib and Truss-out scaffolds erected to an acceptable standard and inspected by specialists.</p>
Edges & Openings	<p>Edges barricaded to acceptable standards. Manhole openings covered / barricaded. Openings in floor / other openings covered, barricaded/fenced. Stairs provided with handrails. Lift shafts barricaded / fenced off.</p>

14.8 Ladders

Subject	Requirement
*Physical Condition / Use & Storage	<p>Stepladders - hinges/stays/braces/stiles in order.</p> <p>Extension ladders - ropes/rungs/stiles/safety latch/hook in order.</p> <p>Extension / Straight ladders secured or tied at the bottom / top.</p> <p>No joined ladders used</p> <p>Wooden ladders are never painted except with varnish</p> <p>Aluminium ladders NOT to be used with electrical work</p> <p>All ladders stored on hooks / racks and not on ground.</p> <p>Ladders protrude 900 mm above landings / platforms / roof.</p> <p>Fixed ladders higher than 5 m have cages/Fall arrest system</p>

14.9 Electricity (as part of, or additional to the manual “Safety & Switching Procedures for Electrical Installations”- see attached document)

Subject	Requirement
*Electrical Distribution Boards & Earth Leakage	<p>Colour coded / numbered / symbolic sign displayed.</p> <p>Area in front kept clear and unobstructed.</p> <p>Fitted with inside cover plate / openings blanked off / no exposed “live” conductors / terminals/Door kept close</p> <p>Switches / circuit breakers identified.</p> <p>Earth leakage protection unit fitted and operating.</p> <p>Tested with instrument: Test results within 15 – 30 milliamps</p> <p>Aperture/Opening/s provided for the plugging in and removal of extension leads without the need to open the door</p> <p>Apertures and openings used for extension leads to be protected against the elements and especially rain</p>
*Electrical Installations & Wiring	<p>Temporary wiring / extension leads in good condition / no bare or exposed wires.</p> <p>Earthing continuity / polarity correct:</p> <p>Looking at the open connectors to connect the wiring, the word “Brown” has the letter ‘R’ in it, so the <u>b’R’own</u> wire connects to the ‘<u>R</u>’ight hand connector. “Blue” has the letter ‘L’ in it, so the <u>b’L’ue</u> wire connects to the ‘<u>L</u>’eft hand connector.</p> <p>Cables protected from mechanical damage and moisture.</p> <p>Correct loading observed e.g. no heating appliance used from lighting circuit etc.</p> <p>Light fittings/lamps protected from mechanical damage/moisture.</p> <p>Cable arrestors in place and used inside plugs</p>
*Physical condition of Electrical Appliances & Tools	<p><u>Electrical Equipment and Tools:</u> (includes all items plugging in to a 16 Amp supply socket)</p> <p>Insulation / casing in good condition.</p> <p>Earth wire connected/intact where not of double insulated design</p> <p>Double insulation mark indicates that no earth wire is to be connected.</p> <p>Cord in good condition/no bare wires/secured to machine & plug.</p> <p>Plug in good condition, connected correctly and correct polarity.</p>

14.10 Emergency and Fire Prevention and Protection

Subject	Requirement
*Fire Extinguishing	<p>Fire Risks Identified and on record</p> <p>The correct and adequate Fire Extinguishing Equipment available for:</p>

Equipment	<ul style="list-style-type: none"> * Offices * General Stores * Flammable Store * Fuel Storage Tank/s and catchment well * Gas Welding / Cutting operations * Where flammable substances are being used / applied. * Equipment Easily Accessible
*Maintenance	Fire equipment checked minimum monthly, serviced yearly
*Location & Signs	<p><u>Fire Extinguishing Equipment:</u></p> <ul style="list-style-type: none"> * Clearly visible * Unobstructed * Signs posted including “No Smoking” / “No Naked Lights” where required. (Flammable store, Gas store, Fuel tanks etc.)
* Storage Issue & Control of Flammables (incl. Gas cylinders)	<p>Storage Area provided for flammables with suitable doors, ventilation, bund etc. Flammable store neat / tidy and no Class A combustibles. Decanting of flammable substances carried out in ignition free and adequately ventilated area. Container bonding principles applied</p> <p>Only sufficient quantities issued for one task or one day’s usage</p> <p>Separate, special gas cylinder store/storage area.</p> <p>Gas Cylinders stored / used / transported upright and secured in trolley/cradle/structure and ventilated.</p> <p>Types of Gas Cylinders clearly identified as well as the storage area and stored separately.</p> <p>Full cylinders stored separately from empty cylinders.</p> <p>All valves, gauges, connections, threads of all vessels to be checked regularly for leaks.</p> <p>Leaking acetylene vessels to be returned to the supplier IMMEDIATELY.</p>
*Storage, Issue & Control of Hazardous Chemical Substances (HCS)	<p>HCS storage principles applied: products segregated</p> <p>Only approved, non-expired HCS to be used</p> <p>Only the prescribed PPE shall be used as the minimum protection</p> <p>Provision made for leakage/spillage containment and ventilation</p> <p>Emergency showers/eye wash facilities provided</p> <p>HCS under lock & key controlled by designated person</p> <p>Decanted/issued in containers as prescribed with information/warning labels</p> <p>Disposal of unwanted HCS by accredited disposal agent</p> <p>No dumping or disposal of any HCS on or inside the storage area or anywhere else on the project site</p> <p>All vessels or containers to be regularly checked for leaks</p>

14.11 Excavations

Subject	Requirement
Excavations, any man-made cavity, trench, pit or depression formed by cutting, digging or scooping	<p>Shored / Braced to prevent caving / falling in.</p> <p>Provided with an access ladder.</p> <p>Excavations guarded/barricaded/lighted after dark in public areas</p> <p>Soil dumped at least 1 m away from edge of excavation</p> <p>On sloping ground soil dumped on lower side of excavation</p> <p>All excavations are subject to daily inspections</p>

14.12 Tools

Subject	Requirement
*Hand Tools	<p><u>Shovels / Spades / Picks:</u></p> <ul style="list-style-type: none"> * Handles free from cracks and splinters * Handles fit securely * Working end sharp and true <p><u>Hammers:</u></p> <ul style="list-style-type: none"> * Good quality handles, no pipe or reinforcing steel handles. * Handles free from cracks and splinters <p>Handles fit securely</p> <p><u>Chisels:</u></p> <ul style="list-style-type: none"> * No mushroomed heads / heads chamfered * Not hardened * Cutting edge sharp and square <p><u>Saws:</u></p> <ul style="list-style-type: none"> * Teeth sharp and set correctly * Correct saw used for the job
*Explosive actuated fastening device.	<p>Only used by trained / authorised personnel.</p> <p>Prescribed warning signs placed / displayed where tool is in use.</p> <p>Work area must be properly isolated/demarcated during use of tool.</p> <p>Inspected at least monthly by competent person and results recorded.</p> <p>Issue and return recorded including cartridges / nails and unused cartridges / nails / empty shells recorded.</p> <p>Cleaned daily after use.</p>

14.13 Cranes

Subject	Requirement
Tower Crane	<p>Only operated by trained authorised operator with valid certificate of training</p> <p>Structure - no visible defects</p> <p>Electrical installation good/safe</p> <p>Crane hook: Throat pop marked/safety latch fitted/functional</p> <p>SWL/MML displayed</p> <p>Limit switches with backup switches fitted/operational</p> <p>Access Ladder fitted with backrests/Fall arrest system installed</p> <p>Lifting tackle in good condition/inspection colour coding</p> <p>Lifting tackle checked daily</p>
*Mobile Crane	<p>Only operated by trained authorised operator with valid certificate of training</p> <p>Rear view mirrors</p> <p>Windscreen visibility good</p> <p>Windscreen wipers operating effectively</p> <p>Indicators operational</p> <p>Hooter working</p> <p>Tyres safe/sufficient tread/pressure visibly sufficient</p> <p>No missing Wheel nuts</p> <p>Headlights, taillights operational</p> <p>Reverse alarm working and audible and known by all employees</p>
*Mobile Crane	<p>Grease nipples and grease on all joints</p>

continued	<p>No Oil leaks Hydraulic pipes visibly sound/no leaks No corrosion on Battery terminals Boom visibly in good condition/no apparent damage Cable/sheaves greased/no visible damage/split wires/corrosion and checked daily Brakes working properly Crane hook: Throat pop marked/safety latch fitted/functional SWL/MML displayed By-pass valves operational Deflection chart displayed/visible to operator/driver Outriggers functional used</p>
*Gantry Crane	<p>Only operated by trained authorised persons Correct slinging techniques used Recognised/displayed on chart signals used Log book kept/up to date Prescribed inspections conducted on crane & lifting tackle and checked daily “Crane overhead” signage, where applicable Crane hook: Throat pop marked/safety latch fitted/functional SWL/MML displayed/load limiting switches fitted/operational</p>

14.14 Builder’s Hoist

Subject	Requirement
Builder’s Hoist	<p>“Hoist In Operation” - sign displayed. General construction strong and free from patent defects. <u>Tower:</u> * Adequately secured / braced. * At least 900 mm available for over travel. * Barricaded at least 2 100 mm high at ground level and floors. * Landing place provided with gate at least 1 800 high. <u>Platform:</u> * No persons conveyed on platform * Steel wire ropes with breaking strength of six times max. load. * Signal systems used which may include two way radio connection. * Goods prevented from moving / falling off. * Effective brake capable of stopping and holding max. load.</p>

14.15 Transport & Materials Handling Equipment

Subject	Requirement
*Site Vehicles	<p>All Site Vehicles, Dumpers, Bobcats, Loaders etc; checked daily before use by driver / operator. Inventory of vehicles used/operated on site Inspection by means of a checklist / results recorded. No persons riding on equipment not designed or designated for passengers. Site speed limit posted, enforced and not exceeded. Drivers / Operators trained / licensed and carrying proof. No unauthorised persons allowed to drive / operate equipment.</p>
Conveyors	<p>Conveyor belt nip points and drive gear guarded. Emergency stop/lever/brake fitted, clearly marked & accessible and tested to be functional under full load.</p>

14.16 Site Plant and Machinery

Subject	Requirement
Brick Cutting Machine	<p>Operator Trained. Only authorised persons use the machine. Emergency stop switch clearly marked and accessible. Area around the machine dry and slip/trip free/clear of off-cuts All moving drive parts guarded/electrical supply cable protected Operator using correct PPE - eye/face/hearing/foot/hands/body.</p>
*Electric Arc Welder	<p>Welder Trained. Only authorised / trained persons use welder. Earth cable adequately earthed to work. Electrode holder in good condition/safe Cables, clamps & lugs/connectors in good condition. Area in which welding machine is used is dry/protected from wet. Welder using correct PPE - eye/ face/foot/body/respirator. Correct transparent screens & warning signs placed</p>
*Woodworking Machines	<p>Operators Trained. Only authorised persons use machines. Provided with guards. Guards used. Operators using correct PPE - eye/face/feet/hearing Circular saws strictly operated according to prescribed methods and settings Only prescribed saw blades (cross-cut, ripping blade, smooth cut, aluminium) shall be used for various applications</p>
*Compressors	<p>Relief valves correctly set and locked / sealed. Maximum Safe Working Pressure (MSWP) indicated on face of pressure gauge: not on glass cover. All drives adequately guarded. Receiver/lines drained daily Hoses good condition/clamped, not wired Compressed air NEITHER used to dust off clothing/PPE/ and work areas NOR on bare skin</p>
Concrete Mixer / Batch Plant	<p>Top platform provided with guardrails. Dust abatement methods in use. Operators using correct PPE - eye / hands / respirators. All moving drive parts guarded. Emergency stops identified / indicated and accessible. Area kept clean/dry/and free from tripping and slipping hazards. Operators overseer identified and crane signals displayed and used.</p>
*Gas Welding / Flame Cutting Equipment	<p>Only authorised/trained persons use the equipment. Torches and gauges in good condition. Flashback arrestors fitted at cylinders and gauges. Hoses in good condition/correct type/all connections with clamps Cylinders stored, used and transported in upright position, secured in trolley / cradle / to structure. All cylinders regularly checked for leaks, leaking cylinders returned immediately Fire prevention/control methods applied/hot work permits</p>

14.17 Plant & Storage Yards/Site Workshops Specifics

Subject	Requirements
Section 8(2)(1) General Machinery Regulation 2(1): Supervision of the Use & Maintenance of Machinery	Person/s with specific knowledge and experience designated in writing to Supervise the Use & Maintenance of Machinery Critical items of Machinery identified/numbered/placed on register/inventory Inspection/maintenance schedules for abovementioned Inspections/maintenance carried out to above schedules Results recorded
General Machinery Regulation 9(2): Notices Operation of Machinery	Schedule D Notice posted in Work areas
Lock-out Procedure	Lock-out procedure in operation
Ergonomics	Ergonomics survey conducted – results on record Survey results applied
Demarcation & Colour Coding	Demarcation principles applied All services, pipes, electrical installation, stop-start controls, emergency controls etc. colour coded to own published or SABS standard Employees trained to identify colour coding
Portable & Bench Grinders	Area around grinder clear/trip/slip free Bench grinders mounted securely/grinder generally in good condition/No excessive vibration On/Off switch/button clearly demarcated/accessible Adequate guards in place Tool rest – secure/square/max. 2 mm gap, perpendicular to drive shaft Stone/disk - correct type and size/mounted correctly/dressed Use of Eye protection enforced
Battery Storage & Charging	Adequately ventilated, ignition free room/area/no smoking sign/s Batteries placed on rubber/wooden surface Emergency shower/eye wash provided No acid storage in area Prescribed methods in place and adhered to when charging batteries
Ancillary Lifting Equipment	Chain Blocks/Tirfors/jacks/mobile gantries etc. identified/numbered on register Chains in good condition/links no excessive wear/checked daily Lifting hooks – throat pop marked/safety latch fitted SWL/MML marked/displayed
Presses/Guillotines/Shears	Only operated by trained/authorised persons Interlocks/lock-outs fitted/PPE worn or used at all times

14.18 Workplace Environment, Health and Hygiene

Subject	Requirement
*Lighting	Adequate lighting in places where work is being executed e.g. stairwells and basements. Light fittings placed / installed causing no irritating/blinding glare. Stroboscopic effect eliminated (not only reduced) where moving objects or machinery is used
*Ventilation	Adequate ventilation / extraction / exhausting in hazardous areas e.g. chemicals /

	adhesives / welding / petrol or diesel/ motors running and in confined spaces / basements.
*Noise	Tasks identified where noise levels exceeds 85 dB at any one time. All reasonable steps taken to reduce noise levels at the source. Hearing protection used where noise levels could not be reduced to below 85 dB.
*Heat Stress	Measures in place to prevent heat exhaustion in heat stress problem areas e.g. steel decks, when the WBGT index reaches 30. (See Environmental Regulation 4) Cold drinking water readily available at all times.
*Ablutions	Sufficient hygiene facilities provided - 1 toilet per 30 employees (National Building Regulations prescribe chemical toilets for Construction sites) Toilet paper available. Sufficient showers provided. Facilities for washing hands provided Soap/cleaning agent available for washing hands Means of drying hands available Lock-up changing facilities / area provided. Ablution facilities kept hygienic and clean.
*Eating / Cooking Facilities	Adequate storage facilities provided. Weather protected eating area provided, separate from changing area Refuse bins with lids provided. Facilities kept clean and hygienic.
*Pollution of Environment	Measures in place to minimize dust generation. Accumulation or littering of empty cement pockets, plastic wrapping / bags, packing materials etc. prevented. Spillage / discarding of oil, chemicals and diesel into storm water and other drains or into existing or newly dug holes/cavities on site expressly prohibited.
*Hazardous Chemical Substances	All substances identified and list available e.g. acids, flammables, poisons etc. Material Safety Data Sheets (MSDS) indicating hazardous properties and emergency procedures in case of incident on file and readily available. Substances stored safely. Expiry dates meticulously checked where applicable

15. THE PRINCIPAL CONTRACTOR'S GENERAL DUTIES

The Principal Contractor shall at all times ensure his status of an “employer” as referred to in the Act, and will abide by his/her responsibilities, duties and functions as per the requirements of the Act and Regulations with specific reference to Section 8 of the Act.

The Principal Contractor shall keep, and on demand make available, a copy of the Act on site at all times and in addition to that he/she will introduce and maintain a file titled “Health and Safety File”, or other record in permanent form, which shall contain all relevant aspects and information as contemplated in the Construction Regulations. He/she will make this file available to the client or his representative whenever necessary or on request to an interested party.

16. THE PRINCIPAL CONTRACTOR'S SPECIFIC DUTIES

The Principal Contractor's specific duties in terms of these specifications are detailed in the Construction Regulations promulgated in February 2014.

The Principal Contractor is specifically referred to the following elements of the Construction Regulations:

Regulation No. 1	- Definitions
Regulation No. 2	- Scope of application
Regulation No. 3	- Application of construction permit
Regulation No. 4	- Notification of construction work
Regulation No. 7	- Principal Contractor and Contractor
Regulation No. 8	- Supervision of construction work
Regulation No. 9	- Risk Assessment
Regulation No. 28	- Stacking & Storage on construction sites
Regulation No. 30	- Construction employees' facilities
Regulation No. 32	- Approved Inspection authorities
Regulation No. 33	- Offences and penalties

This list must not be taken to be exclusive or exhaustive!

The Principal Contractor shall ensure compliance to the Act and its Regulations and specifically to the above regulations, and document each record in the Health and Safety File.

19. HOUSE KEEPING

Good housekeeping will be maintained at all times as per Construction Regulation 27. Poor housekeeping contributes to three major problems, namely, costly or increased accidents, fire or fire hazards and reduction in production. Good housekeeping will enhance production time.

Particular emphasis is to be placed on the following crucial elements of a construction site:

- Phase priorities and production/plant layout
- Enclosures
- Pits, openings and shoring
- Storage facilities
- Effective, sufficient and maintained lighting or illumination
- Principal sources of injuries e.g. stairways, runways, ramps, loose building material
- Oil, grease, water, waste, rubble, glass, storm water

- Colour coding
- Demarcations
- Pollution
- Waste disposal
- Ablution and hygiene facilities
- First aid

This list must not be taken to be exclusive or exhaustive!

In promotion of environmental control all waste, rubble, scrap etc, will be disposed of at a registered dump site and records will be maintained. Where it is found to be impractical to use a registered dump site or it is not available, the Principal Contractor will ensure that the matter is brought to record with the client or his representative, after which suitable, acceptable alternatives will be sought and applied.

Dross and refuse from metals, and waste matters or by-products whose nature is such that they are poisonous or capable of fermentation, putrefaction or constituting a nuisance shall be treated or disposed of by methods approved of by an inspector.

NOTE: No employer (Principal Contractor) shall require or permit any person to work at night or after hours unless there is adequate, suitable artificial lighting including support services in respect of Health and Safety.

20. LOCKOUT SYSTEMS: - *ELECTRICAL!*

A system of control shall be established in order that no unauthorized person can energize a circuit, open a valve, or activate a machine on which people are working or doing maintenance, even if equipment, plant or machinery is out of commission for any period, thus eliminating injuries and damage to people and equipment as far as is reasonably practicable.

Physical/mechanical lock-out systems shall be part of the safety system and included in training. Lockouts shall be tagged and the system tested before commencing with any work or repairs.

21. INCIDENT INVESTIGATION

Inspection and reporting is the best way in which a responsible contractor can control his area of responsibility. All incidents therefore, irrespective of whether it gave rise to loss, injury, damage or not, shall be investigated and the results recorded in the Health and Safety File.

22. GENERAL

The project under control of the Principal Contractor shall be subject to periodic health and safety audits that will be conducted by the client at intervals agreed upon between the Principal Contractor and the client, provided such intervals will not exceed periods of one month. The Principal Contractor is to ensure that he/she and all persons under his control on the construction site shall adhere to the above specifications, as non-conformance will lead to the client taking action as directed by Construction Regulation 5(1) (q). The Principal Contractor should note that he/she shall be held liable for any anomalies including costs and resulting deficiencies due to

delays caused by non-conformance and/or non-compliance to the above Health and Safety Specifications and the Health and Safety Plan based on these specifications.

23. IMPORTANT RECORDS TO BE KEPT

1 Inspection checklist (template)

The documents are to be used as a point of reference to determine which components of the Act would be applicable to a particular site or task or project,

INSPECTION CHECKLIST

Employer Particulars	
Employer:	
Registered Name of Enterprise:	
Trade Name of Enterprise:	
Company Registration No.:	
SARS Registration No.:	
UIF Registration No.:	
COIDA Registration No.:	
Relevant SETA for EEA purposes:	
Industry Sector:	
Bargaining Council:	
Contact Person:	
Address of Premises:	
Postal Address:	
Telephone Number:	
Fax Number:	
E-mail Address:	
Chief Executive Officer:	
Chief Executive Officer Address:	
Competent Person:	
Maximum power demand: in KW	
Health and Safety Representatives:	
Activities, products manufactured and/ services rendered:	
Raw materials, materials and chemical/ biological substances:	
Total Number of Employees:	Male: Female:

Contractor Particulars	
Contractors:	
Site Address:	
Contracts Manager:	
Managing Director:	
Competent Persons:	
CR16(1): SCAFFOLDING:	

CR17(1): SUSPENDED PLATFORMS:	
CR19(8)(a): MATERIAL HOIST (S):	
CR20(1): BULK MIXING PLANT:	
CR10(1)(a): FALL PROTECTION:	
CR13(1)(a): EXCAVATION WORK:	
CR14(1): DEMOLITION WORK:	
CR21(2)(b): EXPLOSIVE ACTUATED FASTENING TOOLS	
CR28(a): STACKING	

INSPECTION		N/A	YES	NO
SECTION/REGS	ITEM CHECKED			
	APPOINTMENTS			
CR8(1)	Supervisor:			
CR8(2)	Assistant Supervisor:			
CR8(5)	Construction Health and Safety Officer			
S17(1)	Health & Safety Representative: (ratio)			
S19(1)	Health & Safety Committees			
CR 14(1)	Demolition Expert			
	DOCUMENTS			
GAR 9(1)	Records of Incidents			
GAR 4	Copy of the Act			
GAR 7	Safety Reps Report			
Section 20(2)	Safety Committee Minutes			
DMR 18(7)	Lifting Machines, hand-powered lifting devices and lifting tackle			
CR 3(4)	Application for Construction Work Permit			
CR 4	Notification of Construction Work			
CR 9(6)	Risk Assessment			
CR 7(7)	Proof of the Health & Safety Induction Training			
CR 11(2)(c)	Structures			
CR13(2)(i)	Excavations			
CR7(1)(g)	Medical Certificates of Fitness			
CR 17(11)	Suspended platforms; inspections and performance test records			
CR 7(1)	Health & Safety File			
CR 17(11)	Suspended Platforms' Performance Records			
CR 19(8)(c)	Material Hoists Record Book			
CR21(2)(g)	Explosive actuated fastening device register			
CR 23(1)(k)	Construction Vehicle & Mobile Plant Register			
CR 24(e)	Electrical Installation & Machinery Register			
	INCIDENTS			
GAR 8(1) S24	Reported			
GAR 9(1)	Recorded Investigated Action Taken			







	PUBLIC SITE			
FR 2(1)	Sanitary Facilities			
CR 30(1) (c)	Changing Facilities for each sex			
CR 27(f)	Perimeter fence & no admittance			
CR 27(g)	Overhead protection netting/falling objects			
NB Notice	Pedestrian warning			
	PERSONAL SAFETY EQUIPMENT			
	Items Issued:			
GSR 2(3)	Items Required:			
S23	(What is the payment on each item?)			
	SAFETY PLANS			
	FIRST AID			
GSR 3(6)	Name(s) of First Aider(s):			
CR 5(1)(b)	Client's Health & Safety Specification			
CR7(1)(a)	Principal's contractor H&S Plan			
	FIRE HAZARD & PRECAUTIONS			
GR29	Flammables used, waste, hot work, diesel, fuel, gas			
	ELECTRICAL INSTALLATIONS & MACHINERY			
CR24	Guarding to Electrical Installations			
	ILLUMINATION			
ER 3(6)	Dangerous Places and signage as well			
	Housekeeping			
ER6(2)(b),(c),(d)	Clear space storage			
ER6(3)	Disposal of waste			

The guidelines and conditions provided in this attached document form an integral constituent of the Health and Safety Specifications. It is therefore a condition of acceptance that no Health and Safety Plan shall be complete unless all relevant elements of this document applicable to the above project have been included in the Health and Safety Plan. The final approval of the Health and Safety Plan in terms of CR5(1)(l) shall be subject to this requirement based on the following certification by the Principal Contractor or his Agent:

IMPORTANT CONTACT DETAILS

(FOR HEALTH & SAFETY ASPECTS ONLY)

The contractor is to add all the important contact information about essentials services, support and assistance.

	SERVICE	NUMBER	CONTACT PERSON
	Hospital		
	Ambulance		
	Water Electricity		
	Police		
	Fire Brigade		
	Engineer		

ADD OTHER IMPORTANT HEALTH & SAFETY CONTACT DETAILS AS MAY BE FOUND NECESSARY.

SUPERVISION BY THE DEPARTMENT OF PUBLIC WORKS:

Mr./Ms./Me - **PROJECT MANAGER**
(Add full details of the project manager)

.....
.....

Mr. /Ms/Me - **CONTROL/WORKS MANAGER**
(Add full details of the inspector)

.....
.....

.....**AND/OR ITS AGENT:** [as per CR 5(5)] – {Also refer specifically to Sections 8(2)(g), 8(2)(h) and 37(2) of the Act}

AGENT: (full particulars of agent)

SUPERVISION BY THE PRINCIPAL CONTRACTOR:

PRINCIPAL CONTRACTOR: (full particulars of principle contractor / contractor)

Mr. /Ms/Me - **HEALTH & SAFETY OFFICER (BUILDING)**
(Add full details of this officer)

.....
.....

Mr. /Ms/Me - **HEALTH & SAFETY OFFICER (ELECTRICAL)**
(Add full details of this officer)

.....
.....

Mr. /Ms/Me - **HEALTH & SAFETY OFFICER (MECHANICAL)**
(Add full details of this officer)

.....
.....

Mr. /Ms./Me - **HEAD: PROJECTS & MAINTENANCE**
 (Add full details of the head of the project)

.....

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1. PREAMBLE

In terms of Construction Regulation 5(1)(a) of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), the Department of Public Works, as the Client and/or its Agent on its behalf, shall be responsible to prepare a baseline risk assessment for an intended construction work project. In terms of construction regulations 5(1)(b), the client must prepare a suitable, sufficiently documented and coherent site specific Health & Safety Specifications for any intended construction project and provide any Principal Contractor who is making a bid or appointed to perform construction work for the Client and/or its Agent on its behalf with the same.

The Client's further duties are as described in The Act and the Regulations made thereunder. The

Principal Contractor shall be responsible for the Health & Safety Policy for the site in terms of Section 7 of the Act and in line with Construction Regulation 5 as well as the Health and Safety Plan for the project.

This 'Health and Safety Specifications' document is governed by the "Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), hereinafter referred to as 'The Act'.

Notwithstanding this, cognisance should be taken of the fact that no single Act or its set of Regulations can be read in isolation. Furthermore, although the definition of Health and Safety Specifications stipulates 'a documented specification of all health and safety requirements pertaining to associated works on a construction site, so as to ensure the health and safety of persons', it is required that the entire scope of the Labour legislation, including the Basic Conditions of Employment Act be considered as part of the legal compliance system. With reference to this specification document this requirement is

limited to all health, safety and environmental issues pertaining to the site of the project as referred to here-in. Despite the foregoing it is reiterated that environmental management shall receive due attention.

Due to the wide scope and definition of construction work, every construction activity and site will be different, and circumstances and conditions may change even on a daily basis. Therefore, due caution is to be taken by the Principal Contractor when drafting the Health and Safety Plan based on these Health and Safety Specifications. Prior to drafting the Health and Safety Plan, and in consideration of the information contained here-in, the contractor shall set up a Risk Assessment Program to identify and determine the scope and details of any risk associated with any hazard at the construction site, in order to identify the steps needed to be taken to remove, reduce or control such hazard. *This Risk Assessment and the steps identified will be the basis or point of departure for the Health and Safety Plan.* The Health and Safety Plan shall include documented 'Methods of Statement' (see definitions under Construction Regulations) detailing the key activities to be performed in order to reduce as far as practicable, the hazards identified in the Risk Assessment.

The Department of Public Works is tasked to provide accommodation and operational facilities to a very large proportion of the approximate 40 National Departments responsible for the governance of the Department of Public Works. A very large number of State employees and public users of the facilities and the services provided there-in directly interacts with the facilities provided by the well-being, health and safety of a great number of people. This Department thus has directly or indirectly, an impact on the Republic of South Africa as well as the National Parliament.

In this a high premium is to be placed on the health and safety of the most valuable assets of the Department of Public Works. These are its personnel, the personnel of its Clients and the physical assets of which it is the custodian and may also include the public as well. The responsibilities the Department and relevant stakeholders have toward its employees and other people present in the facilities or on the sites are captured further in this specification document. These responsibilities stem from both moral, civil and a variety of legal obligations. The Principal Contractor is to take due cognisance of the above statement.

Every effort has been made to ensure that this specification document is accurate and adequate in all respects. Should it however, contain any errors or omissions they may not be considered as grounds for claims under the contract for additional reimbursement or extension of time, or relieve the Principal Contractor from his responsibilities and accountability in respect of the project to which this specification document pertains. Any such inaccuracies, inconsistencies and/or inadequacies must immediately be brought to the attention of the Agent and/or Client.

2. SCOPE OF HEALTH AND SAFETY SPECIFICATION DOCUMENT

These Specifications should be read in conjunction with the Act, the Construction Regulations and all other Regulations and Safety Standards which were or will be promulgated under the Act or incorporated into the Act and be in force or come into force during the effective duration of the project. The stipulations in this specification, as well as those contained in all other documentation pertaining to the project, including contract documentation and technical specifications shall not be interpreted, in any way whatsoever, to countermand or nullify any stipulation of the Act, Regulations and Safety Standards which are promulgated under, or incorporated into the Act.

3. PURPOSE

The Department is obligated to implement measures to ensure the health and safety of all people and properties affected under its custodianship or contractual commitments, and is further obligated to monitor that these measures are structured and applied according to the requirements of these Health and Safety Specifications. ***(All references to the singular shall also be regarded as references to the plural)***

The purpose of this specification document is to provide the relevant Principal Contractor (and his /her contractor) with any information other than the standard conditions pertaining to construction sites which might affect the health and safety of persons at work and the health and safety of persons in connection with the use of plant and machinery; and to protect persons other than persons at work against hazards to health and safety arising out of or in connection with the activities of persons at work during the carrying out of construction work for the Department of Public Works. The Principal Contractor (and his /her contractor) is to be briefed on the significant health and safety aspects of the project and to be provided with information and requirements on inter alia:

- a) Safety considerations affecting the site of the project and its environment;
- b) Health and safety aspects of the associated structures and equipment;
- c) Submissions on health and safety matters required from the Principal Contractor (and his /her contractor); and
- d) The Principal Contractor's (and his /her contractor) health & safety plan.

To serve to ensure that the Principal Contractor (and his /her contractor) is fully aware of what is expected from him/her with regard to the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) and the Regulations made there-under including the applicable safety standards, and in particular in terms of Section 7 and 8 of the Act, Construction regulations 7 and 8.

To inform the Principal Contractor that the Occupational Health and Safety Act, 1993 (Act 85 of

1993) in its entirety shall apply to the contract to which this specification document applies. The Construction Regulations promulgated on 07 February 2014 shall apply to any person involved in construction work pertaining to this project, as will the Act.

4. DEFINITIONS - The most important definitions in the Act and Regulations pertaining to this specification document are hereby extracted.

“Purpose of the Act” –

To provide for the health and safety of persons at work and the health and safety of persons in connection with the use of plant and machinery; the protection of persons other than persons at work against hazards to health and safety arising out of or in connection with the activities of persons at work; to establish an advisory council for occupational health and safety; and to provide for matters connected therewith.

“Agent” –

means any person who acts as a representative for a client;

“Client” –

means any person for whom construction work is performed;

“Construction Work” is defined as any work in connection with –

- (a) The construction, erection, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure; or
- (b) the construction, erection, maintenance, demolition or dismantling of any bridge, dam canal, road, railway, runway, sewer or water reticulation system; or the moving of earth, clearing or land, the making of excavation, piling or any similar civil engineering structure or type of work;

“Construction work permit”

means a document issued in terms of construction regulations 3

“Contractor” –

means an employer, as defined in Section 1 of the Act, who performs construction work and includes Principal Contractors;

“Health and Safety File” –

means a file, or other record in permanent form, containing the information required as contemplated in the regulations;

“Health and Safety Plan” –

means a documented plan which addresses hazards identified and includes safe work procedures to mitigate, reduce or control the hazards identified;

“Health and Safety Specification” –

means a documented specification of all health and safety requirements pertaining to the associated works on a construction site, so as to ensure the health and safety of persons;

“Method Statement” –

means a document detailing the key activities to be performed in order to reduce as reasonably as practicable the hazards identified in any risk assessment;

“Principal Contractor” –

means an employer, as defined in section 1 of the Act who performs construction work and is appointed by the client to be in overall control and management of a part of or the whole of a construction site;

“Risk Assessment” –

means a program to determine any risk associated with any hazard at a construction site, in order to identify the steps needed to be taken to remove, reduce or control such hazard.

5. OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

5.1 Structure and Organization of OH&S Responsibilities

5.1.1. Overall Supervision and Responsibility for OH&S

- * The Client and/or its Agent on its behalf to ensure that the Principal Contractor, appointed in terms of Construction Regulation 5(5), implements and maintains the agreed and approved H&S Plan. Failure on the part of the Client or Agent to comply with this requirement will not relieve the Principal Contractor from any one or more of his/her duties under the Act and Regulations.

- * The Chief Executive Officer of the Principal Contractor in terms of Section 16 (1) of the Act to ensure that the Employer (as defined in the Act) complies with the Act. The pro forma Legal Compliance Audit may be used for this purpose by the Principal Contractor or his/her appointed contractor.

- * All OH&S Act (85 /1993), Section 16 (2) appointee/s as detailed in his/her/their respective appointment forms to regularly, in writing, report to their principals on matters of health and safety per routine and ad hoc inspections and on any deviations as soon as observed, regardless of whether the observation was made during any routine or ad hoc inspection and to ensure that the reports are made available to the principal Contractor to become part of site records (Health & Safety File).

- * The Construction Manager and Assistant Construction Manager appointed in terms of Construction Regulation 8(1), 8(2) to regularly, in writing, report to their principals on matters of health and safety per routine and ad hoc inspections and on any deviations as soon as observed, regardless of whether the observation was made during any routine or ad hoc inspection and to ensure that the reports are made available to the principal Contractor to become part of site records (Health & Safety File).

- * All Health and Safety Representatives (SHE-Reps) shall act and report as per Section 18 of the Act.

5.1.2. Further (Specific) Supervision Responsibilities for OH&S

Several appointments or designations of responsible and /or competent people in specific areas of construction work are required by the Act and Regulations. The following competent appointments, where applicable, in terms of the Construction Regulations are required to ensure compliance to the Act, Regulations and Safety Standards.

Required appointments as per the Construction Regulations:-

Item	Regulation	Appointment	Responsible Person
1.	5(1)(k)	Principal contractor for each phase or project	Client
2.	7(1)(c)	Contractor	Principal Contractor
3.	7(2)(c)	Contractor	Contractor
4.	8(1)	Construction Manager	Principal Contractor
5.	8(2)	Construction Manager assistant	Principal Contractor
6.	8(5)	Construction Health and Safety Officer	Principal Contractor
7.	9(1)	Person to carry out risk assessment	Contractor
9.	10(1)(a)	Fall protection planner	Contractor
10.	12 (1)	Temporary works designer	Contractor
12.	13(1)(a)	Excavation supervisor	Contractor
13.	13(2)(b)(ii)(bb)	Professional engineer or technologist	Contractor
14.	13(2)(k)	Explosives expert	Contractor
15.	14(1)	Supervisor demolition work	Contractor
16.	14(11)	Demolition expert	Contractor
18.	16(1)	Scaffold supervisor and scaffold erector	Contractor
19.	17(1)	Suspended platform supervisor	Contractor
20.	17(2)(c)	Compliance plan developer	Contractor
21.	17(8)(c)	Suspended platform expert	Contractor
22.	17(13)	Outrigger expert	Contractor
23.	18(1)	Rope access supervisor	Contractor
24.	19(8)(a)	Material hoist inspector	Contractor
25.	20(1)	Bulk mixing plant supervisor	Contractor
26.	21(2)(b)	Explosive actuator expert	Contractor
27.	22(a)	Crane supervisor	Contractor
28.	24(d)	Temporal electrical installations controller	Contractor
29.	24(e)	Temporal electrical installations inspector	Contractor
30.	28(a)	Stacking and storage supervisor	Contractor
31.	29(h)	Fire equipment inspector	Contractor

This list may be used as a reference or tool to determine which components of the Act and Regulations would be applicable to a particular site, as was intended under paragraph 3 & 4 of the Chapter "Preamble" (page 4) above. This list must not be assumed to be exclusive or comprehensive.

5.2 *Communication & Liaison*

5.2.1 OH&S Liaison between the Employer, the Principal Contractor, the other Contractors, the Designer and other concerned parties shall be through the H&S Committee as per the procedures determined by the H&S Committee.

5.2.2 In addition to the above, communication may be directly to the Client or his appointed Agent, verbally or in writing, as and when the need arises.

5.2.3 Consultation with the workforce on OH&S matters will be through their Supervisors and H&S Representatives ('SHE – Reps')

5.2.4 The Principal Contractor will be responsible for the dissemination of all relevant OH&S information to the other Contractors e.g. design changes agreed with the Client and/or its Agent on its behalf and the Designer, instructions by the Client and/or his/her agent, exchange of information between Contractors, the reporting of hazardous/dangerous conditions/situations etc.

6. INTERPRETATION

(i) The Occupational Health and Safety Act and all its Regulations, with the exception of the Construction Regulations, distinguish between the roles, responsibilities and functions of employers and employees respectively. It views consultants and contractors as employees of the "owner" of a construction or operational project, the "owner" being regarded as the employer. Only if formally agreed to by way of the written agreement in this regard between the "owner(s)" and consultant and /or between the "owner(s)" and the contractor(s), will these assumptions be relinquished in favour of the position agreed upon between the relevant parties.

(ii) The position taken by the Construction Regulations is that the "owner", in terms of its instructions, operates (has to operate) in the role of client as per relevant definition. The contractors working for the "client" are seen to be in two categories, i.e. the Principal Contractor and Contractors. The Principal Contractor has to take full responsibility for the health and safety on the site of the relevant project / contract. This includes monitoring health and safety conditions and overseeing administrative measures required by the Construction Regulations from all contractors on the project site. (Ordinary / sub) Contractors are required to operate under the scrutiny and control (in terms of all health and safety measures which are covered in the Construction Regulations) of the Principal Contractor. Where, for the work the Principal Contractor will have to execute himself, practical health and safety measures are applicable, he will also be subject to the relevant requirements with which (ordinary / sub) Contractors have to comply. The Principal Contractor will, however, not have to actually fulfill such requirements in respect of any of the work / functions of any (ordinary / sub) Contractors on the site for which he has been appointed as Principal Contractor. However, he has to monitor / oversee such processes, ensuring that the requirements are complied with and that the required appointments / evaluations / inspections / assessments and tests are done and that the records are duly generated and kept as prescribed in the Construction Regulations. This has to feature clearly in the Principal Contractor's Health and Safety Plan.

7. RESPONSIBILITIES

7.1 Client

7.1.1 The Client or his appointed Agent on his behalf will appoint each Principal Contractor for this project or phase/section of the project in writing for assuming the role of Principal Contractor as intended by the Construction Regulations and determined by the Bills of Quantities.

7.1.2 The Client or his appointed Agent on his behalf shall discuss and negotiate with the Principal Contractor the contents of the health and safety plan of the both Principal Contractor and Contractor for approval.

7.1.3 The Client or his appointed Agent on his behalf, will take reasonable steps to ensure that the health and safety plan of both the Principal Contractor and Contractor is implemented and maintained. The steps taken will include periodic audits at intervals of at least once every month.

7.1.4 The Client or his appointed Agent on his behalf, will prevent the Principal Contractor and/or the Contractor from commencing or continuing with construction work should the Principal Contractor and/or the Contractor at any stage in the execution of the works be found to:

- have failed to have complied with any of the administrative measures required by the Construction Regulations in preparation for the construction project or any physical preparations necessary in terms of the Act;
- have failed to implement or maintain their health and safety plan;
- have executed construction work which is not in accordance with their health and safety plan; or
- act in any way which may pose a threat to the health and safety of any person(s) present on the site of the works or in its vicinity, irrespective of him/them being employed or legitimately on the site of the works or in its vicinity.

7.2 Principal Contractor

7.2.1 The Principal Contractor shall accept the appointment under the terms and Conditions of Contract. The Principal Contractor shall sign and agree to those terms and conditions and shall, before commencing work, notify the Department of Labour of the intended construction work in terms of Regulation 3 of the Construction Regulations. Annexure B of this Specification contains a "Notification of Construction Work" form. The Principal

Contractor shall submit the notification in writing prior to commencement of work and inform the Client or his Agent accordingly.

7.2.2 The Principal Contractor shall ensure that he is fully conversant with the requirements of this Specification and all relevant health and safety legislation. This Specification is not intended to supersede the Act nor the Construction Regulations or any part of either. Those sections of the Act and the Construction Regulations which apply to the scope of work to be performed by the Principal Contractor in terms of this contract (entirely or in part) will continue to be legally required of the Principal Contractor to comply with. The Principal Contractor will in no manner or means be absolved from the responsibility to comply with all applicable sections of the Act, the Construction Regulations or any Regulations proclaimed under the Act or which may perceivable be applicable to this contract.

7.2.3 The Principal Contractor shall provide and demonstrate to the Client a suitable and sufficiently documented health and safety plan based on this Specification, the Act and the Construction Regulations, which shall be applied from the date of commencement of and for the duration of execution of the works. This plan shall, as appendices, include the health and safety plans of all Sub-contractors for which he has to take responsibility in terms of this contract.

7.2.4 The Principal Contractor shall provide proof of his registration and good standing with the Compensation Fund or with a licensed compensation insurer prior to commencement with the works.

7.2.5 The Potential Principal Contractor shall, in submitting his tender, demonstrate that he has made provision for the cost of compliance with the specified health and safety requirements, the Act and Construction Regulations. (Note: This shall have to be contained in the conditions of tender upon which a tenderer's offer is based.)

7.2.6 The Principal Contractor shall consistently demonstrate his competence and the adequacy of his resources to perform the duties imposed on the Principal Contractor in terms of this Specification, the Act and the Construction Regulations.

7.2.7 The Principal Contractor shall ensure that a copy of his health and safety plan is available on site and is presented upon request to the Client, an Inspector, Employee or Sub-contractor.

7.2.8 The Principal Contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the provisions of this Specification, the Act and the Construction Regulations, is opened and kept on site and made available to the Client or Inspector upon request. Upon completion of the works, the Principal Contractor shall hand over a consolidated health and safety file to the Client.

7.2.9 The Principal Contractor shall, throughout execution of the contract, ensure that all conditions imposed on his Sub-contractors in terms of the Act and the Construction Regulations are complied with as if they were the Principal Contractor.

7.2.10 The Principal Contractor shall from time to time evaluate the relevance of the Health and Safety Plan and revise the same as required, following which revised plan shall be submitted to the Client and/or his/her Agent for approval.

7.3 **Contractor** (Responsibilities of in terms of this contract and health and safety specification)

As per 7.2 above, as and where applicable or as indicated in the letter of appointment.

8. **SCOPE OF WORK** (*also refer to paragraph 2 on page 5*)

These specifications are applicable to the specific scope of work pertaining to the above-mentioned project as detailed in the tender documents, this amongst all includes for example:

“Phase 1 – Refurbishment of existing houses & outbuildings for Library information services consisting of elaborate audio visual aids and facilities including auditoriums.

- *Site clearance (what does this entail?)*
- *Site hoarding, demarcation and demolition as follows:*
- *Bulk Earthworks comprising...(excavations, filling, compaction, evening surface.....)*
- *Piling (by drilling, excavating.....pile driving.....pile hammering.....????)*

Phase 2 – Construction of a new four (4) storied Administration building.

- *Preparation of site by leveling, compaction etc.*
- *Excavations for parking areas/services*
- *Etc.”*

(elaborate sufficiently and provide adequate information to give full understanding of all work to be done)

[Notes to the Client, Designer, Project Manager, Architect, Agent:

add references to the above project and include specific elements identified as the ‘Critical Few’. The ‘Critical Few’ refer to those few or singular elements of the project that have the potential to impact in a major or devastating way on the project as a whole in the event of an accident or incident occurring. (20:80 principle)

Because of the inherent generic nature of the Health and Safety Specifications document, specific relevant information on the project must be provided and it may be necessary to draft the required information under this paragraph on a separate attached document.

If at any time after commencement of the project changes are brought about to the design or construction, sufficient health and safety information and appropriate resources are to be made available to the Principal Contractor to execute the work safely.]

N.B Construction Regulation 5(1)(g) determines that potential contractors submitting tenders have made provision for the cost of health and safety measures during the construction process. The Principal Contractor shall on tendering make provision for the cost of health and safety measures in terms of his/her documented Health and Safety Plan and measures based on these Health and Safety Specifications during the period of the project. The cost shall be duly quantified and clearly identified for such identifiable purpose.

THE HEALTH AND SAFETY PLAN IS THEREFORE TO BE INCLUDED WITH THE TENDER DOCUMENTS WHEN TENDERS ARE INVITED FOR THE PROJECT.

9. HEALTH AND SAFETY FILE

The Principal Contractor must, in terms of Construction Regulation 7(1)(b), keep a Health & Safety File on site at all times that must include all documentation required in terms of the Act and Regulations and must also include a list of all Contractors on site that are accountable to the Principal Contractor and the agreements between the parties and details of work being done. A more detailed list of documents and other legal requirements that must be kept in the Health and Safety File is attached as an addendum to this document.

IMPORTANT:

The Health and Safety File will remain the property of the Client and/or its Agent on its behalf throughout the period of the project and shall be consolidated and handed over to the Client and/or its Agent on its behalf at the time of completion of the project.

10. OH&S GOALS AND OBJECTIVES AND ARRANGEMENTS FOR MONITORING AND REVIEWING OH&S PERFORMANCE

The Principal Contractor is required to maintain an acceptable disabling incident frequency rate (DIFR) and report on this to the Client and/or its Agent on its behalf on a monthly basis.

11. IDENTIFICATION OF HAZARDS AND DEVELOPMENT OF RISK ASSESSMENTS, STANDARD WORKING PROCEDURES (SWP) AND METHOD STATEMENTS

The Principal Contractor is required to develop Risk Assessments, Standard Working Procedures (SWP) and Method Statements for each activity executed in the contract or project (see 4. below

“Project/Site Specific Requirements”)

The identification of hazards is over and above the hazards identification programme and those hazards identified during the drafting of the Health and Safety Plan.

12. ARRANGEMENTS FOR MONITORING AND REVIEW

12.1 Monthly Audit by Client and/or its Agent on its behalf

The Client and/or its Agent on its behalf will be conducting Periodic Audits at times agreed with the Principal Contractor Audit to comply with Construction Regulation 7(1)(c)(vii) to ensure that the principal contractor has implemented, is adhering to and is maintaining the agreed and approved OH&S Plan.

12.2 Other audits and inspections by client and/or its agent on its behalf.

The Client and/or its Agent on its behalf reserves the right to conduct any other ad hoc audits and inspections as it and/or its Agent on its behalf deem necessary.

A representative of the Principal Contractor and the relevant Health and Safety Representative(s) (SHE-Reps) must accompany the Client and/or its Agent on its behalf on all Audits and Inspections and may conduct their own audit/inspection at the same time. Each party will, however, take responsibility for the results of his/her own audit/inspection results. The Client and/or its Agent on its behalf may require to be handed a copy of the minutes of the previous Health and Safety Committee meeting reflecting possible recommendations made by that committee to the Employer for reference purposes.

12.3 Reports

12.3.1 The Principal Contractor shall report all incidents where an employee is injured on duty to the extent that he/she:

- * dies
- * becomes unconscious

- * loses a limb or part of a limb
- * is injured or becomes ill to such a degree that he/she is likely either to die or to suffer a permanent physical defect or likely to be unable for a period of at least 14 days either to work or continue with the activity for which he/she was usually employed

OR where:

- * a major incident occurred
- * the health or safety of any person was endangered
- * where a dangerous substance was spilled
- * the uncontrolled release of any substance under pressure took place
- * machinery or any part of machinery fractured or failed resulting in flying, falling or uncontrolled moving objects
- * machinery ran out of control,

to the Provincial Director of the Department of Labour within seven days and at the same time to the Client and/or its Agent on its behalf.

Refer in this regard to Section 24 of the Act & General Administrative Regulation 8.

12.3.2 The Principal Contractor is required to provide the Client and/or its Agent on its behalf with copies of all statutory reports required in terms of the Act and the Regulations.

12.3.3 The Principal Contractor is required to provide the Client and/or its Agent on its behalf with a monthly "SHE Risk Management Report".

12.3.4 The Principal Contractor is required to provide a.s.a.p. the Client and/or its Agent on its behalf with copies of all internal and external accident/incident investigation reports including the reports contemplated in 12.7, 12.8.2, 15, 16, 17, 21 and 22 below. As soon as the occurrence of any accident/incident of whatever nature comes to the notice of the Principal Contractor, it shall be reported immediately to the relevant Regional Manager for that particular jurisdiction.

12.4 Review

The Principal Contractor is to review the Hazard Identification, Risk Assessments and Standard Work Processes at each Production Planning and Progress Report meeting as the construction work develops and progresses and each time changes are made to the designs, plans and construction methods and processes.

The Principal Contractor must provide the Client and/or its Agent on its behalf, other Contractors and all other concerned parties with copies of any changes, alterations or amendments as contemplated in the above paragraph.

12.5 Site Rules and other Restrictions

12.5.1 Site OH&S Rules

The Principal Contractor must develop a set of site-specific OH&S rules that will be applied to regulate the Health and Safety Plan and associated aspects of the construction.

When required for a site by law, visitors and non-employees upon entering the site shall be issued with the proper Personal Protective Equipment (PPE) as and when necessary.

12.5.2 Security Arrangements

The Principal Contractor must establish site access rules and implement and maintain these throughout the construction period. Access control must include the rule that non-employees shall at all times be provided with fulltime supervision while on site.

The Principal Contractor must develop a set of Security rules and procedures and maintain these throughout the construction period.

If not already tasked to the H&S Officer appointed in terms of Construction Regulation 6(6), the Principal Contractor must appoint a competent Emergency Controller who must develop contingency plans for any emergency that may arise on site as indicated by the risk assessments. These must include a monthly practice/testing programme for the plans e.g. January: trench collapse, February: flooding etc. and practiced/tested with all persons on site at the time, participating.

12.6 Training

The contents and syllabi of all training required by the Act and Regulations including any other related or relevant training as required must be included in the Principal Contractor's Health and Safety Plan and Health and Safety File.

12.6.1 General Induction Training

All employees of the Principal and other Contractors must be in possession of proof of General Induction training

12.6.2 Site Specific Induction Training

All employees of the Principal and other Contractors must be in possession of Site Specific Occupational Health and Safety Induction or other qualifying training.

12.6.3 Other Training

All operators, drivers and users of construction vehicles, mobile plant and other equipment must be in possession of valid proof of training.

All employees in jobs requiring training in terms of the Act and Regulations must be in possession of valid proof of training as follows:

Occupational Health and Safety Training Requirements: (as required by the Construction Regulations and as indicated by the Health and Safety Specification Document & the Risk Assessment/s and recommendations by the Health and Safety Committee):

- * General Induction (Section 8 of the Act)
- * Site/Job Specific Induction (also visitors) (Sections 8 & 9 of the Act)
- * Site/Project Manager
- * Construction Supervisor
- * OH&S Representatives (Section 18 (3) of the Act)
- * Training of the Appointees indicated in 12.6.1 & 12.6.2 above
- * Operation of Cranes (Driven Machinery Regulations 18 (11))
- * Operators & Drivers of Construction Vehicles & Mobile Plant (Construction Regulation 23)
- * Basic Fire Prevention & Protection (Environmental Regulations 9 and Construction Regulation 29)
- * As a minimum basic First Aid to be upgraded when necessary (General Safety Regulations 3)
- * Storekeeping Methods & Safe Stacking (Construction Regulation 28)
- * Emergency, Security and Fire coordinator

12.7 Accident and Incident Investigation

The Principal Contractor is responsible to oversee the investigation of all accidents/incidents where employees and non-employees were injured to the extent that he/she/they had to receive first aid or be referred for medical treatment by a doctor, hospital or clinic. (General Administrative Regulation 9)

The results of the investigation to be entered into the Accident/Incident Register listed above. (General Administrative Regulation 9)

The Principal Contractor is responsible for the investigation of all non-injury incidents as described in Section 24 (1) (b) & (c) of the Act and keeping a record of the results of such investigations including the steps taken to prevent similar incidents in future.

The Principal Contractor is responsible for the investigation of all road traffic accidents relating to the construction site and keeping a record of the results of such investigations including the steps taken to prevent similar accidents in future.

Notwithstanding the requirements of Section 24 of the Act, ALL incidents shall be investigated and reported on in writing, irrespective of whether such incident gave rise to injury or damage.

12.8 H&S Representatives (SHE-Reps – ‘safety, health & environment’) and H&S Committees

12.8.1 Designation of H&S Representatives(‘SHE – Reps’)

Where the Principal Contractor employs more than 20 persons (including the employees of other Contractors (sub-contractors) he has to appoint one H&S Representative for every 50 employees or part thereof. (Section 17 of the Act and General Administrative Regulation 6. & 7.)

H&S Representatives have to be designated in writing and the designation shall be in accordance with the Collective Agreement as concluded between the parties as is required in terms of General Administration Regulation 6.

12.8.2 Duties and Functions of the H&S Representatives

The Principal Contractor must ensure that the designated H&S Representatives conduct at least a weekly inspection of their respective areas of responsibility using a checklist and report thereon to the Principal Contractor, after which these reports shall be consolidated for submission to the Health and Safety Committee.

H&S Representatives must be included in and be part of accident/incident investigations.

H&S Representatives shall be members of at least one H&S Committee and must attend all meetings of that H&S committee.

12.8.3 Establishment of H&S Committee(s)

The Principal Contractor must establish H&S Committees consisting of designated H&S Representatives together with a number of Employers Representatives appointed as per Section 19(3) that are not allowed to exceed the number of H&S Representatives on the committee. The persons nominated by the employer on a H&S Committee must be designated in writing for such period as may be determined by him. The H&S Committee shall co-opt advisory (temporary) members and determine the procedures of the meetings including the chairmanship.

The H&S Committee must meet minimum monthly and consider, at least, the following Agenda for the first meeting. Thereafter the H&S Committee shall determine its own procedures as per the previous paragraph.

Agenda:

- 1) Opening and determining of chairmanship (only when necessary)
- 2) Minutes of Previous Minutes
- 3) Observations
- 4) Program and Safety considerations
- 5) Hygiene
- 6) Housekeeping improvement 7) Incidents & Accidents / Injuries 8) Registers:

- a H&S Rep. Inspections b.
- Matters of First Aid
- c. Scaffolding
- d. Ladders
- e. Excavations
- f. Portable Electric Equipment
- g. Fire Equipment
- h. Explosive Power Tools
- i. Power Hand tools
- j. Incident! Report Investigation
- k. Pressure Vessels
- l. Personal Protective Equipment
- 9) Safety performance Evaluations
- 10) Education & Safety promotion program
- 11) First Aid Officials and training in First Aid
- 12) Demarcation of work- /hazardous-/safe areas/walkways
- 13) Posters and signage
- 14) Environmental preservation and conservation
- 15) Specific training programmes
- 16) General
- 17) Date of Next Meeting
- 18) Closing

13. PROJECT/SITE SPECIFIC REQUIREMENTS

The following is a list of specific activities and considerations that have been identified for the project and site and for which Risk Assessments, Standard Working Procedures (SWP), management and control measures and Method Statements (where necessary) have to be developed by the Principal Contractor:

- * Clearing & Grubbing of the Area/Site * Site Establishment including:
 - o Office/s
 - o Secure/Safe Storage and storage areas for materials, plant & equipment
 - o Ablution facilities
 - o Sheltered dining area
 - o Vehicle access to the site
- * Dealing with existing Structures.
- * Location of existing Services
- * Installation & Maintenance of Temporary Construction Electrical Supply, Lighting and Equipment
- * Adjacent Land uses/Surrounding property exposures
- * Boundary & Access control/Public Liability Exposures (Remember: the Employer is also responsible for the OH&S of non-employees affected by his/her work activities.)
- * Health risks arising from neighboring as well as own activities and from the environment
 - e.g. threats by dogs, bees, snakes, lightning, allergies etc.
- * Exposure to Noise
- * Exposure to Vibration
- * Protection against dehydration and heat exhaustion

- * Protection from wet & cold conditions
- * Dealing with HIV/Aids and other diseases as per specific programme provided by the client and/or its Agent on its behalf
- * Use of Portable Electrical Equipment including:
 - o Angle grinder
 - o Electrical Drilling machine
 - o Skill saw
- * Excavations including:
 - o Ground/soil conditions
 - o Tree nching
 - o Shoring
 - o Drainage
 - o Daily inspections *
 - o Welding including:
 - o Arc Welding
 - o Gas welding
 - o Flame Cutting
 - o Use of LP Gas torches and appliances
- * Loading & Offloading of Trucks
- * Aggregate/Sand and other Materials Delivery
- * Manual and Mechanical Handling
- * Lifting and Lowering Operations
- * Driving & Operation of Construction Vehicles and Mobile Plant including:
 - o Trenching machine
 - o Excavator
 - o Bomag Roller
 - o Plate Compactor
 - o Front End Loader
 - o Mobile Cranes and the ancillary lifting tackle
 - o Parking of Vehicles & Mobile Plant
 - o Towing of Vehicles & Mobile Plant
- * Use and Storage of Flammable Liquids and other Hazardous Substances – the client and/or its Agent on its behalf to be informed of this prior to commencing of the project
- * Layering and Bedding of trench floor
- * Installation of Pipes in trenches
- * Backfilling of Trenches
- * Protection against Flooding
- * Gabion work
- * Use of Explosives - the client and/or its Agent on its behalf to be informed of this prior to commencing of the project
- * Protection from Overhead Power Lines
- * As discovered by the Principal Contractor's hazard identification exercise
- * As discovered from any inspections and audits conducted by the Client and/or its Agent on its behalf or by the Principal Contractor or any other Contractor on site *
- * As discovered from any accident/incident investigation.

13.1 The following are in particular requirements depending on scope of works and will form a basis for compliance audits.

1. Administrative & Legal Requirements
2. Education, Training & Promotion
3. Public Safety & Emergency Preparedness
4. Personal Protective Equipment
5. Housekeeping
6. Scaffolding, Formwork & Support work
7. Ladders
8. Electrical Safeguarding
9. Emergency/Fire Prevention & Protection
10. Excavations & Demolition
11. Tools
12. Cranes
13. Personnel & Material Hoists
14. Transport & Materials Handling
15. Site Plant & Machinery
16. Plant & Storage Yards/Site Workshops Specifics
17. Health & Hygiene

14. OUTLINED DATA, REFERENCES AND INFORMATION ON CERTAIN AND/OR SPECIFIC OBLIGATORY REQUIREMENTS TO ENSURE COMPLIANCE

14.1 Administrative & Legal Requirements

OHS Act Section/ Regulation	Subject	Requirements
Construction Regulation 3	Construction work permit	Apply to the Provincial Labour Office for any construction work as defined under CR 3(1)(a)(b) & (c)
Construction. Regulation 4	Notice of carrying out Construction work	Department of Labour notified Copy of Notice available on Site
General Admin. Regulation 4	*Copy of OH&S Act (Act 85 of 1993)	Updated copy of Act & Regulations on site. Readily available for perusal by employees.
COID Construction regulations 5(1)(j)	*Registration with Compensation Insurer	Written proof of registration/Letter of good standing available on Site
Construction. Regulation 5(1)(b) & 5(1)(n)	H&S Specification & Programme	H&S Spec received from Client and/or its Agent on its behalf OH&S programme developed & Updated regularly

Section 8(2)(d) Construction. Regulation 9	*Hazard Identification & Risk Assessment	Hazard Identification carried out/Recorded Risk Assessment and – Plan drawn up/Updated RA Plan available on Site Employees/Sub-Contractors informed/trained
Section 16(2)	*Assigned duties (Managers)	Responsibility of complying with the OH&S Act assigned to other person/s by CEO.
Construction. Regulation 8(1)	Designation of Person Responsible on Site	Competent person appointed in writing as Construction Manager with job description
Construction. Regulation 8(2)	Designation of Assistant for above	Competent person appointed in writing as Assistant Construction Supervisor with job description
Section 17 & 18	*Designation of	More than 20 employees - one H&S Representative, one

General Administrative Regulations 6 & 7	Health & Safety Representatives	additional H&S Rep. for each 50 employees or part thereof. Designation in writing, period and area of responsibility specified in terms of GAR 6 & 7 Meaningful H&S Rep. reports. Reports actioned by Management.
Section 19 & 20 General Administrative Regulations 5	*Health & Safety Committee/s	H&S Committee/s established. All H&S Reps shall be members of H&S Committees Additional members are appointed in writing. Meetings held monthly, Minutes kept. Actioned by Management.
Section 37(1) & (2)	*Agreement with Mandatories/ (Sub-)Contractors	Written agreement with (Sub-)Contractors List of (Sub-) Contractors displayed. Proof of Registration with Compensation Insurer/Letter of Good Standing Construction Supervisor designated Written arrangements re. H&S Reps & H&S Committee Written arrangements re. First Aid
Section 24 & General Admin. Regulation 8 COID Act Sect.38, 39 & 41	*Reporting of Incidents (Dept. of Labour)	Incident Reporting Procedure displayed. All incidents in terms of Sect. 24 reported to the Provincial Director, Department of Labour, within 3 days. (Annexure 1?)(WCL 1 or 2) and to the Client and/or its Agent on its behalf Cases of Occupational Disease Reported Copies of Reports available on Site Record of First Aid injuries kept

General Admin. Regulation 9	*Investigation and Recording of Incidents	All injuries which resulted in the person receiving medical treatment other than first aid, recorded and investigated by investigator designated in writing. Copies of Reports (Annexure 1) available on Site Tabled at H&S Committee meeting Action taken by Site Management.
Construction. Regulation 10	Fall Prevention & Protection	Competent person appointed to draw up and supervise the Fall Protection Plan Proof of appointees competence available on Site Risk Assessment carried out for work at heights Fall Protection Plan drawn up/updated Available on Site
Construction. Regulation 11	Structures	Information re. the structure being erected received from the Designer including: <ul style="list-style-type: none"> - geo-science technical report where relevant - the design loading of the structure - the methods & sequence of construction - anticipated dangers/hazards/special measures to construct safely Risk Assessment carried out Method statement drawn up All above available on Site Structures inspected before each shift. Inspections register kept
Construction. Regulation 16	Scaffolding	Competent persons appointed in writing to: <ul style="list-style-type: none"> - erect scaffolding (Scaffold Erector/s) - act as Scaffold Team Leaders - inspect Scaffolding weekly and after inclement weather (Scaffold Inspector/s) Written Proof of Competence of above appointees available on Site Risk Assessment carried out Inspected weekly/after bad weather. Inspection register/s kept

<p>Construction. Regulation 17</p>	<p>Suspended Platforms</p>	<p>Competent persons appointed in writing to:</p> <ul style="list-style-type: none"> - control the erection of Suspended platforms - act as Suspended platforms Team Leaders - inspect Suspended Scaffolding weekly and after inclement weather <p>Risk Assessment conducted Certificate of Authorisation issued by a registered professional engineer available on Site/copy forwarded to the Department of Labour The following inspections of the whole installation carried out by a competent person</p> <ul style="list-style-type: none"> - after erection and before use - daily prior to use. Inspection register kept <p>The following tests to be conducted by a competent person:</p> <ul style="list-style-type: none"> - load test of whole installation and working parts every three months - hoisting ropes/hooks/load attaching devices quarterly. <p>Tests log book kept Employees working on Suspended Platform medically examined for physical & psychological fitness. Written proof available</p>
<p>Construction. Regulation 13</p>	<p>Excavations</p>	<p>Competent person/s appointed in writing to supervise and inspect excavation work Written Proof of Competence of above appointee/s available on Site Risk Assessment carried out Inspected:</p> <ul style="list-style-type: none"> - before every shift - after any blasting - after an unexpected fall of ground - after any substantial damage to the shoring - after rain. Inspections register kept <p>Method statement developed where explosives will be/ are used</p>
<p>Construction. Regulation 14</p>	<p>Demolition Work</p>	<p>Competent person/s appointed in writing to supervise and control Demolition work</p> <p>Written Proof of Competence of above appointee/s available on Site Risk Assessment carried out</p>
		<p>Engineering survey and Method Statement available on Site Inspections to prevent premature collapse carried out by competent person before each shift. Inspection register kept</p>

Construction. Regulation 19	Materials Hoist	Competent person appointed in writing to inspect the Material Hoist Written Proof of Competence of above appointee available on Site. Materials Hoist to be inspected weekly by a competent person. Inspections register kept.
Construction. Regulation 21	Explosive actuated fastening device	Competent person appointed to control the issue of the Explosive actuated fastening & cartridges and the service, maintenance and cleaning. Register kept of above Empty cartridge cases/nails/fixing bolts returns recorded Cleaned daily after use Work areas are demarcated!
Construction. Regulation 20	Bulk mixing plant	Competent person appointed to control the operation of the Bulk mixing plant and the service, maintenance and cleaning. Register kept of above Risk Assessment carried out Bulk mixing plant to be inspected weekly by a competent person. Inspections register kept
Construction. Regulation 23/ Driven Machinery Regulations 18 & 19	Cranes & Lifting Machines Equipment	Competent person appointed in writing to inspect Cranes, Lifting Machines & Equipment Written Proof of Competence of above appointee available on Site. Cranes & Lifting tackle identified/numbered Register kept for Lifting Tackle Log Book kept for each individual Crane Inspection: - All cranes - daily by operator - Tower Crane/s - after erection/6monthly - Other cranes - annually by comp. person - Lifting tackle(slings/ropes/chain slings etc.) - daily or before every new application
Construction. Regulation 24/Electrical Machinery Regulations 9 & 10/ Electrical Installation Regulations	*Inspection & Maintenance of Electrical Installation & Equipment (including portable electrical tools)	Competent person appointed in writing to inspect/test the installation and equipment. Written Proof of Competence of above appointee available on Site. Inspections: - Electrical Installation & equipment inspected after installation, after alterations and quarterly. Inspection Registers kept Portable electric tools, electric lights and extension leads must be uniquely identified/numbered. Weekly visual inspection by User/Issuer/Storeman. Register kept.

Construction. Regulation 28/ General Safety	*Designation of Stacking & Storage Supervisor.	Competent Person/s with specific knowledge and experience designated to supervise all Stacking & Storage
Regulation 8(1)(a)		Written Proof of Competence of above appointee available on Site
Construction. Regulation 29/ Environmental Regulation 9	*Designation of a Person to Co-ordinate Emergency Planning And Fire Protection	Person/s with specific knowledge and experience designated to co-ordinate emergency contingency planning and execution and fire prevention measures Emergency Evacuation Plan developed: <ul style="list-style-type: none"> - Drilled/Practiced - Plan & Records of Drills/Practices available on Site Fire Risk Assessment carried out All Fire Extinguishing Equipment identified and on register . Inspected weekly. Inspection Register kept Serviced annually
General Safety Regulation 3	*First Aid	Every workplace provided with sufficient number of First Aid boxes. (Required where 5 persons or more are employed) First Aid freely available Equipment as per the list in the OH&S Act. One qualified First Aider appointed for every 50 employees. (Required where more than 10 persons are employed) List of First Aid Officials and Certificates Name of person/s in charge of First Aid box/es displayed. Location of First Aid box/es clearly indicated. Signs instructing employees to report all Injuries/illness including first aid injuries
General Safety Regulation 2	Personal Safety Equipment (PSE)	PSE Risk Assessment carried out Items of PSE prescribed/use enforced Records of Issue kept Undertaking by Employee to use/wear PSE PSE remain property of Employer, not to be removed from premises GSR 2(4)

General Safety Regulation 9	*Inspection & Use of Welding/Flame Cutting Equipment	Competent Person/s with specific knowledge and experience designated to Inspect Electric Arc, Gas Welding and Flame Cutting Equipment Written Proof of Competence of above appointee available on Site All new vessels checked for leaks, leaking vessels NOT taken into stock but returned to supplier immediately Equipment identified/numbered and entered into a register Equipment inspected weekly. Inspection Register kept Separate, purpose made storage available for full and empty vessels
Pressure Equipment Regulations (PER)	Pressure Equipment Regulations (PER)	Competent Person/s with specific knowledge and experience designated to supervise the use, storage, maintenance, statutory inspections & testing of Pressure Equipment. Written Proof of Competence of above appointee available on Site
		Risk Assessment carried out Certificates of Manufacture available on Site Register of Pressure Equipment on Site Inspections & Testing by Approved Inspection Authority (AIA): <ul style="list-style-type: none"> - after installation/re-erection or repairs - Annual External inspections, - every 36 months. - Register/Log kept of inspections, tests. Modifications & repair A risk based inspection process by an authorised certification body, SAQCC(IPE) registered person
Construction. Regulation 23	Construction Vehicles & Mobile Plant	Operators/Drivers appointed to: <ul style="list-style-type: none"> - Carry out a daily inspection prior to use - Drive the vehicle/plant that he/she is competent to operate/drive Written Proof of Competence of above appointee available on Site. Record of Daily inspections kept
General Safety Regulation 13A	*Inspection of Ladders	Competent person appointed in writing to inspect Ladders Ladders inspected at arrival on site and weekly there after. Inspections register kept Application of the types of ladders (wooden, aluminium etc.) regulated by training and inspections and noted in register
General Safety regulation 13B	Ramps	Competent person appointed in writing to Supervise the erection & inspection of Ramps. Inspection register kept. Daily inspected and noted in register

1443 Education & Training

Subject	Requirement
<p>*Company OH&S Policy Section 7(1)</p> <p>*Company/Site OH&S Rules (Section 13(a))</p> <p>*Induction & Task Safety Training (Section 13(a))</p> <p>*General OH&S Training (Section 13(a))</p> <p>*Occupational Health &</p>	<p>Policy signed by CEO and published/Circulated to Employees Policy displayed on Employee Notice Boards Management and employees committed.</p> <p>Rules published Rules displayed on Employee Notice Boards Rules issued and employees effectively informed or trained: written proof Follow-up to ensure employees understand/adhere to the policy and rules.</p> <p>All new employees receive OH&S Induction Training. Training includes Task Safety Instructions. Employees acknowledge receipt of training. Follow-up to ensure employees understand/adhere to instructions.</p> <p>All current employees receive specified OH&S training: written proof Operators of Plant & Equipment receive specified training Follow-up to ensure employees understand/adhere to instructions.</p> <p><u>Incident Experience Board indicating e.g.</u> * No. of hours worked without an Injury</p>
<p>Safety Promotion</p>	<p>* No. of days worked without an Injury Mission, Vision and Goal Star Grading - Board kept up to date. Safety Posters displayed & changed regularly Employee Notice Board for OH&S Notices. Site OH&S Competition. Company OH&S Competition. Participation in Regional OH&S Competition Suggestion scheme.</p>

Subject	Requirement
<p>*Notices & Signs</p>	<p>Notices & Signs at entrances / along perimeters indicating “No Unauthorised Entry”. Notices & Signs at entrance instructing visitors and non - employees what to do, where to go and where to report on entering the site/yard with directional signs. e.g. “Visitors to report to Office” Notices & Signs posted to warn of overhead work and other hazardous activities. e.g. General Warning Signs</p>
<p>Site Safeguarding</p>	<p>Nets, Canopies, Platforms, Fans etc. to protect members of the public passing / entering the site.</p>

*Security Measures	Access control measures/register in operation Security patrols after hours during weekends and holidays Sufficient lighting after dark Guard has access to telephone/ mobile/other means of emergency communication
*Emergency Preparedness	Emergency contact numbers displayed and made available to Security & Guard Emergency Evacuation instructions posted up on all notice boards (including employees' notice boards) Emergency contingency plan available on site/in yard Doors open outwards/unobstructed Emergency alarm audible all over (including in toilets)
*Emergency Drill & Evacuation	Adequate No. of employees trained to use Fire Fighting Equipment. Emergency Evacuation Plan available, displayed and practiced. (See Section 1 for Designation & Register)

14.3 Public Safety, Security Measures & Emergency Preparedness

14.4 Personal Protective Equipment

Subject	Requirement
*PPE needs analysis	Need for PPE identified and prescribed in writing. PPE remain property of Employer, not to be removed from premises GSR 2(4)
*Head Protection	All persons on site wearing Safety Helmets including Sub-contractors and Visitors (where prescribed)
*Foot Protection	All employees on site wearing Safety Footwear including Gumboots for concrete / wet work and non-slip shoes for roof work. Visitors to wear same upon request or where prescribed

*Eye and Face Protection	<p><u>Eye and Face (also Hand and Body) Protection</u> (Goggles, Face Shields, Welding Helmets etc.) used when operating the following:</p> <ul style="list-style-type: none"> * Jack/ Kango Hammers * Angle / Bench Grinders * Electric Drills (Overhead work into concrete / cement / bricks) * Explosive Powered tools * Concrete Vibrators / Pokers * Hammers & Chisels * Cutting / Welding Torches * Cutting Tools and Equipment * Guillotines and Benders * Shears * Sanders and Sanding Machines * CO2 and Arc Welding Equipment * Skill / Bench Saws * Spray Painting Equipment etc.
*Hearing Protection	<p><u>Hearing Protectors</u> (Muffs, Plugs etc.) used when operating the following:</p> <ul style="list-style-type: none"> * Jack / Kango Hammers * Explosive Powered Tools * Wood/Aluminium Working Machines e.g. saws, planers, routers
*Hand Protection	<p><u>Protective Gloves</u> worn by employees handling / using:</p> <ul style="list-style-type: none"> * Cement / Bricks / Steel / Chemicals * Welding Equipment * Hammers & Chisels * Jack / Kango Hammers etc.
*Respiratory Protection	<p>Suitable/efficient prescribed <u>Respirators</u> worn correctly by employees handling / using:</p> <ul style="list-style-type: none"> * Dry cement * Dusty areas * Hazardous chemicals * Angle Grinders * Spray Painting etc.
*Fall Prevention Equipment	<p>Suitable <u>Safety Belts</u> / Fall Arrest Equipment correctly used by persons working on / in unguarded, elevated positions e.g.:</p> <ul style="list-style-type: none"> * Scaffolding * Riggers * Lift shafts * Edge work * Ring beam edges etc. <p>Other methods of fall prevention applied e.g. catch nets</p>
*Protective Clothing	<p>All jobs requiring protective clothing (Overalls, Rain Wear, Welding Aprons etc.) Identified and clothing worn.</p>
*PPE Issue & Control	<p>Identified Equipment issued free of charge. All PPE maintained in good condition. (Regular checks). Workers instructed in the proper use & maintenance of PPE. Commitment obtained from wearer accepting conditions and to wear the PPE. Record of PPE issued kept on H&S File.</p>

	PPE remain property of Employer, not to be removed from premises GSR 2(4)
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14.5 Housekeeping

Subject	Requirement
*Scrap Removal System	<p>All items of Scrap/Unusable Off-cuts/Rubble and redundant material removed from working areas on a regular basis. (Daily) Scrap/Waste removal from heights by chute/hoist/crane. Nothing thrown/swept over sides. Scrap disposed of in designated containers/areas Removal from site/yard on a regular basis.</p>
Stacking & Storage (See Section 1 for Designation & Register)	<p><u>Stacking:</u></p> <ul style="list-style-type: none"> * Stable, on firm level surface/base. * Prevent leaning/collapsing * Irregular shapes bonded * Not exceeding 3x the base * Stacks accessible * Removal from top only. <p><u>Storage:</u></p> <ul style="list-style-type: none"> * Adequate storage areas provided. * Functional – e.g. demarcated storage areas/racks/bins etc. * Special areas identified and demarcated e.g. flammable gas, cement etc. * Neat, safe, stable and square. * Store/storage areas clear of superfluous material. * Storage behind sheds etc. neat/under control. * Storage areas free from weeds, litter etc.
*Waste Control/Reclamation	<p>Re-usable off-cuts and other re-usable material removed daily and kept to a minimum in the work areas. All re-usable materials neatly stacked/stored in designated areas. (Nails removed/bent over in re-usable timber). Issue of hardware/nails/screws/cartridges etc. controlled and return of unused items monitored.</p>
Sub-contractors (Housekeeping)	Sub-contractors required to comply with Housekeeping requirements.

Subject	Requirement
[Redacted]s	Unprotected openings adequately guarded/fenced/barricaded/catch net installed

<p>5 Working at Heights (including roof work)</p>	<p>bad/hazardous weather Fall protection measures (including warning notices) when working close to edges or on fragile roofing material Covers over openings in roof of robust construction/secured against displacement</p>
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14.6 Working at Heights (including roof work)

14.7 Scaffolding / Formwork / Support Work

Subject	Requirement
<p>Access/System Scaffolding</p>	<p>Foundation firm / stable Sufficient bracing. Tied to Structure/prevented from side or cross movement Platform boards in good condition/sufficient/secured. Handrails and toe boards provided. Access ladders / stairs provided. Area/s under scaffolding tidy. Safe/unsafe for use signs Complying with OH&S Act/SABS 085</p>
<p>Free Standing Scaffolding</p>	<p>Foundation firm / stable Sufficient bracing. Platform boards in good condition/sufficient/secured. Handrails and toe boards provided. Access ladders / stairs provided. Area/s under scaffolding tidy. Safe/unsafe for use signs Height to base ratio correct Outriggers used /tied to structure where necessary Complying with OH&S Act/SABS 085</p>
<p>*Mobile Scaffolding</p>	<p>Foundation firm / stable Sufficient bracing. Platform boards in good condition/sufficient/secured. Handrails and toe boards provided. Access ladders / stairs provided. Area/s under scaffolding tidy. Safe/unsafe for use signs</p>
<p>*Mobile Scaffolding</p>	<p>Wheels / swivels in good condition Brakes working and applied. Height to base ratio correct. Outriggers used where necessary Complying with OH&S Act/SABS 085</p>

Suspended Scaffolding	<p>Outriggers securely supported and anchored. Correct No. of steel wire ropes used. Platform as close as possible to the structure. Handrails on all sides All winches / ropes / cables / brakes inspected regularly and replaced as prescribed Scaffolding complies with OHS Act (Act 85/93) Winch(es) maintained by competent person(s)</p>
Formwork / Support Work	<p>All components in good condition. Foundation firm / stable. Adequate bracing / stability ensured. Good workmanship / uprights straight and plumb. Good cantilever construction. Safe access provided. Areas under support work tidy. Same standards as for system scaffolding.</p>
Special Scaffolding	<p>Special Scaffolding e.g. Cantilever, Jib and Truss-out scaffolds erected to an acceptable standard and inspected by specialists.</p>
Edges & Openings	<p>Edges barricaded to acceptable standards. Manhole openings covered / barricaded. Openings in floor / other openings covered, barricaded/fenced. Stairs provided with handrails. Lift shafts barricaded / fenced off.</p>

Subject	Requirement
*Physical Condition / Use & Storage	<p>Stepladders - hinges/stays/braces/stiles in order. Extension ladders - ropes/rungs/stiles/safety latch/hook in order. Extension / Straight ladders secured or tied at the bottom / top. No joined ladders used Wooden ladders are never painted except with varnish Aluminium ladders NOT to be used with electrical work All ladders stored on hooks / racks and not on ground. Ladders protrude 900 mm above landings / platforms / roof. Fixed ladders higher than 5 m have cages/Fall arrest system</p>

Subject	Requirement
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<p>*Electrical Distribution Boards & Earth Leakage</p>	<p>Colour coded / numbered / symbolic sign displayed. Area in front kept clear and unobstructed. Fitted with inside cover plate / openings blanked off / no exposed "live" conductors / terminals/Door kept close Switches / circuit breakers identified. Earth leakage protection unit fitted and operating. Tested with instrument: Test results within 15 – 30 milliamps Aperture/Opening/s provided for the plugging in and removal of extension leads without the need to open the door Apertures and openings used for extension leads to be protected against the elements and especially rain</p>
<p>*Electrical Installations & Wiring</p>	<p>Temporary wiring / extension leads in good condition / no bare or exposed wires. Earthing continuity / polarity correct: Looking at the open connectors to connect the wiring, the word "Brown" has the letter 'R' in it, so the <u>b'R'own</u> wire connects to the 'R'ight hand connector. "Blue" has the letter 'L' in it, so the <u>b'L'ue</u> wire connects to the 'L'eft hand connector. Cables protected from mechanical damage and moisture. Correct loading observed e.g. no heating appliance used from lighting circuit etc. Light fittings/lamps protected from mechanical damage/moisture. Cable arrestors in place and used inside plugs</p>
<p>*Physical condition of Electrical Appliances & Tools</p>	<p><u>Electrical Equipment and Tools:</u> (includes all items plugging in to a 16 Amp supply socket) Insulation / casing in good condition. Earth wire connected/intact where not of double insulated design Double insulation mark indicates that no earth wire is to be connected. Cord in good condition/no bare wires/secured to machine & plug. Plug in good condition, connected correctly and correct polarity.</p>

B Ladders

14.9 Electricity (as part of, or additional to the manual "Safety & Switching Procedures for Electrical Installations"- see attached document)

Subject	Requirement
*Fire Extinguishing Equipment	Fire Risks Identified and on record <u>The correct and adequate Fire Extinguishing Equipment available for:</u> <ul style="list-style-type: none"> * Offices * General Stores * Flammable Store * Fuel Storage Tank/s and catchment well * Gas Welding / Cutting operations * Where flammable substances are being used / applied. * Equipment Easily Accessible
*Maintenance	Fire equipment checked minimum monthly, serviced yearly
*Location & Signs	<u>Fire Extinguishing Equipment:</u> <ul style="list-style-type: none"> * Clearly visible * Unobstructed * Signs posted including “No Smoking” / “No Naked Lights” where required. (Flammable store, Gas store, Fuel tanks etc.)
* Storage Issue & Control of Flammables (incl. Gas cylinders)	Storage Area provided for flammables with suitable doors, ventilation, bund etc. Flammable store neat / tidy and no Class A combustibles. Decanting of flammable substances carried out in ignition free and adequately ventilated area. Container bonding principles applied Only sufficient quantities issued for one task or one day’s usage Separate, special gas cylinder store/storage area. Gas Cylinders stored / used / transported upright and secured in trolley/cradle/structure and ventilated. Types of Gas Cylinders clearly identified as well as the storage area and stored separately. Full cylinders stored separately from empty cylinders. All valves, gauges, connections, threads of all vessels to be checked regularly for leaks. Leaking acetylene vessels to be returned to the supplier IMMEDIATELY .
*Storage, Issue & Control of Hazardous Chemical Substances (HCS)	HCS storage principles applied: products segregated Only approved, non-expired HCS to be used Only the prescribed PPE shall be used as the minimum protection Provision made for leakage/spillage containment and ventilation Emergency showers/eye wash facilities provided HCS under lock & key controlled by designated person Decanted/issued in containers as prescribed with information/warning labels Disposal of unwanted HCS by accredited disposal agent No dumping or disposal of any HCS on or inside the storage area or anywhere else on the project site All vessels or containers to be regularly checked for leaks

14.10 Emergency and Fire Prevention and Protection

14.11 Excavations

Subject	Requirement
Excavations, any man-made cavity, trench, pit or depression formed by cutting, digging or scooping	Shored / Braced to prevent caving / falling in. Provided with an access ladder. Excavations guarded/barricaded/lighted after dark in public areas Soil dumped at least 1 m away from edge of excavation On sloping ground soil dumped on lower side of excavation All excavations are subject to daily inspections

Subject	Requirement
*Hand Tools	<p><u>Shovels / Spades / Picks:</u></p> <ul style="list-style-type: none"> * Handles free from cracks and splinters * Handles fit securely <p><u>Hammers:</u></p> <ul style="list-style-type: none"> * Working end sharp and true * Good quality handles, no pipe or reinforcing steel handles. * Handles free from cracks and splinters * Handles fit securely <p><u>Chisels:</u></p> <ul style="list-style-type: none"> * No mushroomed heads / heads chamfered * Not hardened * Cutting edge sharp and square <p><u>Saws:</u></p> <ul style="list-style-type: none"> * Teeth sharp and set correctly * Correct saw used for the job
*Explosive actuated fastening device.	<p>Only used by trained / authorised personnel.</p> <p>Prescribed warning signs placed / displayed where tool is in use.</p> <p>Work area must be properly isolated/demarcated during use of tool.</p> <p>Inspected at least monthly by competent person and results recorded.</p> <p>Issue and return recorded including cartridges / nails and unused cartridges / nails / empty shells recorded.</p> <p>Cleaned daily after use.</p>

Subject	Requirement
Tower Crane	<p>Only operated by trained authorised operator with valid certificate of training</p> <p>Structure - no visible defects</p> <p>Electrical installation good/safe</p> <p>Crane hook: Throat pop marked/safety latch fitted/functional</p> <p>SWL/MML displayed</p> <p>Limit switches with backup switches fitted/operational</p> <p>Access Ladder fitted with backrests/Fall arrest system installed</p> <p>Lifting tackle in good condition/inspection colour coding</p> <p>Lifting tackle checked daily</p>

*Mobile Crane	Only operated by trained authorised operator with valid certificate of training
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14.12 Tools

14.13 Cranes

	<p>Rear view mirrors Windscreen visibility good Windscreen wipers operating effectively Indicators operational Hooter working Tyres safe/sufficient tread/pressure visibly sufficient No missing Wheel nuts Headlights, taillights operational Reverse alarm working and audible and known by all employees</p>
*Mobile Crane continued	<p>Grease nipples and grease on all joints No Oil leaks Hydraulic pipes visibly sound/no leaks No corrosion on Battery terminals Boom visibly in good condition/no apparent damage Cable/sheaves greased/no visible damage/split wires/corrosion and checked daily Brakes working properly Crane hook: Throat pop marked/safety latch fitted/functional SWL/MML displayed By-pass valves operational Deflection chart displayed/visible to operator/driver Outriggers functional used</p>
*Gantry Crane	<p>Only operated by trained authorised persons Correct slinging techniques used Recognised/displayed on chart signals used Log book kept/up to date Prescribed inspections conducted on crane & lifting tackle and checked daily "Crane overhead" signage, where applicable Crane hook: Throat pop marked/safety latch fitted/functional SWL/MML displayed/load limiting switches fitted/operational</p>
Subject	Requirement
Builder's Hoist	<p>"Hoist In Operation" - sign displayed. General construction strong and free from patent defects. <u>Tower:</u> * Adequately secured / braced. * At least 900 mm available for over travel. * Barricaded at least 2 100 mm high at ground level and floors. * Landing place provided with gate at least 1 800 high. <u>Platform:</u> * No persons conveyed on platform * Steel wire ropes with breaking strength of six times max. load. * Signal systems used which may include two way radio connection. * Goods prevented from moving / falling off. * Effective brake capable of stopping and holding max. load.</p>

14.14 Builder's Hoist

14.15 Transport & Materials Handling Equipment

Subject	Requirement
*Site Vehicles	All Site Vehicles, Dumpers, Bobcats, Loaders etc; checked daily before use by driver / operator. Inventory of vehicles used/operated on site Inspection by means of a checklist / results recorded. No persons riding on equipment not designed or designated for passengers. Site speed limit posted, enforced and not exceeded. Drivers / Operators trained / licensed and carrying proof. No unauthorised persons allowed to drive / operate equipment.
Conveyors	Conveyor belt nip points and drive gear guarded. Emergency stop/lever/brake fitted, clearly marked & accessible and tested to be functional under full load.

14.16 Site Plant and Machinery

Subject	Requirement
Brick Cutting Machine	Operator Trained. Only authorised persons use the machine. Emergency stop switch clearly marked and accessible. Area around the machine dry and slip/trip free/clear of off-cuts All moving drive parts guarded/electrical supply cable protected Operator using correct PPE - eye/face/hearing/foot/hands/body.
*Electric Arc Welder	Welder Trained. Only authorised / trained persons use welder. Earth cable adequately earthed to work. Electrode holder in good condition/safe Cables, clamps & lugs/connectors in good condition. Area in which welding machine is used is dry/protected from wet. Welder using correct PPE - eye/ face/foot/body/respirator. Correct transparent screens & warning signs placed
*Woodworking Machines	Operators Trained. Only authorised persons use machines. Provided with guards. Guards used. Operators using correct PPE - eye/face/feet/hearing Circular saws strictly operated according to prescribed methods and settings Only prescribed saw blades (cross-cut, ripping blade, smooth cut, aluminium) shall be used for various applications
*Compressors	Relief valves correctly set and locked / sealed. Maximum Safe Working Pressure (MSWP) indicated on face of pressure gauge: not on glass cover. All drives adequately guarded. Receiver/lines drained daily Hoses good condition/clamped, not wired Compressed air NEITHER used to dust off clothing/PPE/ and work areas NOR on bare skin

Concrete Mixer / Batch Plant	<p>Top platform provided with guardrails.</p> <p>Dust abatement methods in use.</p> <p>Operators using correct PPE - eye / hands / respirators.</p> <p>All moving drive parts guarded.</p> <p>Emergency stops identified / indicated and accessible.</p> <p>Area kept clean/dry/and free from tripping and slipping hazards.</p>
	Operators overseer identified and crane signals displayed and used.
*Gas Welding / Flame Cutting Equipment	<p>Only authorised/trained persons use the equipment.</p> <p>Torches and gauges in good condition.</p> <p>Flashback arrestors fitted at cylinders and gauges.</p> <p>Hoses in good condition/correct type/all connections with clamps</p> <p>Cylinders stored, used and transported in upright position, secured in trolley / cradle / to structure.</p> <p>All cylinders regularly checked for leaks, leaking cylinders returned immediately</p> <p>Fire prevention/control methods applied/hot work permits</p>

Subject	Requirements
Section 8(2)(1) General Machinery Regulation 2(1): Supervision of the Use & Maintenance of Machinery	<p>Person/s with specific knowledge and experience designated in writing to Supervise the Use & Maintenance of Machinery</p> <p>Critical items of Machinery identified/numbered/placed on register/inventory</p> <p>Inspection/maintenance schedules for abovementioned</p> <p>Inspections/maintenance carried out to above schedules</p> <p>Results recorded</p>
General Machinery Regulation 9(2): Notices Operation of Machinery	Schedule D Notice posted in Work areas

14.17 Plant & Storage Yards/Site Workshops Specifics

Lock-out Procedure	Lock-out procedure in operation
Ergonomics	Ergonomics survey conducted – results on record Survey results applied
Demarcation & Colour Coding	Demarcation principles applied All services, pipes, electrical installation, stop-start controls, emergency controls etc. colour coded to own published or SABS standard Employees trained to identify colour coding
Portable & Bench Grinders	Area around grinder clear/trip/slip free Bench grinders mounted securely/grinder generally in good condition/No excessive vibration On/Off switch/button clearly demarcated/accessible Adequate guards in place Tool rest – secure/square/max. 2 mm gap, perpendicular to drive shaft Stone/disk - correct type and size/mounted correctly/dressed Use of Eye protection enforced
Battery Storage & Charging	Adequately ventilated, ignition free room/area/no smoking sign/s Batteries placed on rubber/wooden surface Emergency shower/eye wash provided No acid storage in area Prescribed methods in place and adhered to when charging batteries
Ancillary Lifting Equipment	Chain Blocks/Tirfors/jacks/mobile gantries etc. identified/numbered on register Chains in good condition/links no excessive wear/checked daily Lifting hooks – throat pop marked/safety latch fitted SWL/MML marked/displayed
Presses/Guillotines/Shears	Only operated by trained/authorised persons Interlocks/lock-outs fitted/PPE worn or used at all times

Subject	Requirement
*Lighting	Adequate lighting in places where work is being executed e.g. stairwells and basements. Light fittings placed / installed causing no irritating/blinding glare. Stroboscopic effect eliminated (not only reduced) where moving objects or machinery is used
*Ventilation	Adequate ventilation / extraction / exhausting in hazardous areas e.g. chemicals / adhesives / welding / petrol or diesel/ motors running and in confined spaces / basements.
*Noise	Tasks identified where noise levels exceeds 85 dB at any one time. All reasonable steps taken to reduce noise levels at the source. Hearing protection used where noise levels could not be reduced to below 85 dB.
*Heat Stress	Measures in place to prevent heat exhaustion in heat stress problem areas e.g. steel decks, when the WBGT index reaches 30. (See Environmental Regulation 4) Cold drinking water readily available at all times.

*Ablutions	Sufficient hygiene facilities provided - 1 toilet per 30 employees (National Building Regulations prescribe chemical toilets for Construction sites) Toilet paper available. Sufficient showers provided. Facilities for washing hands provided
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14.18 Workplace Environment, Health and Hygiene

	Soap/cleaning agent available for washing hands Means of drying hands available Lock-up changing facilities / area provided. Ablution facilities kept hygienic and clean.
*Eating Cooking Facilities	/ Adequate storage facilities provided. Weather protected eating area provided, separate from changing area Refuse bins with lids provided. Facilities kept clean and hygienic.
*Pollution of Environment	Measures in place to minimize dust generation. Accumulation or littering of empty cement pockets, plastic wrapping / bags, packing materials etc. prevented. Spillage / discarding of oil, chemicals and diesel into storm water and other drains or into existing or newly dug holes/cavities on site expressly prohibited.
*Hazardous Chemical Substances	All substances identified and list available e.g. acids, flammables, poisons etc. Material Safety Data Sheets (MSDS) indicating hazardous properties and emergency procedures in case of incident on file and readily available. Substances stored safely. Expiry dates meticulously checked where applicable

15. THE PRINCIPAL CONTRACTOR'S GENERAL DUTIES

The Principal Contractor shall at all times ensure his status of an “employer” as referred to in the Act, and will abide by his/her responsibilities, duties and functions as per the requirements of the Act and Regulations with specific reference to Section 8 of the Act.

The Principal Contractor shall keep, and on demand make available, a copy of the Act on site at all times and in addition to that he/she will introduce and maintain a file titled “Health and Safety File”, or other record in permanent form, which shall contain all relevant aspects and information as contemplated in the Construction Regulations. He/she will make this file available to the client or his representative whenever necessary or on request to an interested party.

16. THE PRINCIPAL CONTRACTOR'S SPECIFIC DUTIES

The Principal Contractor's specific duties in terms of these specifications are detailed in the Construction Regulations promulgated in February 2014.

The Principal Contractor is specifically referred to the following elements of the Construction Regulations:

Regulation No. 1	- Definitions
Regulation No. 2	- Scope of application
Regulation No. 3	- Application of construction permit
Regulation No. 4	- Notification of construction work
Regulation No. 7	- Principal Contractor and Contractor
Regulation No. 8	- Supervision of construction work
Regulation No. 9	- Risk Assessment
Regulation No. 28	- Stacking & Storage on construction sites
Regulation No. 30	- Construction employees' facilities
Regulation No. 32	- Approved Inspection authorities
Regulation No. 33	- Offences and penalties

This list must not be taken to be exclusive or exhaustive!

The Principal Contractor shall ensure compliance to the Act and its Regulations and specifically to the above regulations, and document each record in the Health and Safety File.

19. HOUSE KEEPING

Good housekeeping will be maintained at all times as per Construction Regulation 27. Poor housekeeping contributes to three major problems, namely, costly or increased accidents, fire or fire hazards and reduction in production. Good housekeeping will enhance production time.

Particular emphasis is to be placed on the following crucial elements of a construction site:

- Phase priorities and production/plant layout
- Enclosures
- Pits, openings and shoring
- Storage facilities
- Effective, sufficient and maintained lighting or illumination
- Principal sources of injuries e.g. stairways, runways, ramps, loose building material
 - Oil, grease, water, waste, rubble, glass, storm water
- Colour coding
- Demarcations
- Pollution
- Waste disposal
- Ablution and hygiene facilities
- First aid

This list must not be taken to be exclusive or exhaustive!

In promotion of environmental control all waste, rubble, scrap etc, will be disposed of at a registered dump site and records will be maintained. Where it is found to be impractical to use a registered dump site or it is not available, the Principal Contractor will ensure that the matter is brought to record with the client or his representative, after which suitable, acceptable alternatives will be sought and applied.

Dross and refuse from metals, and waste matters or by-products whose nature is such that they are poisonous or capable of fermentation, putrefaction or constituting a nuisance shall be treated or disposed of by methods approved of by an inspector.

NOTE: No employer (Principal Contractor) shall require or permit any person to work at night or after hours unless there is adequate, suitable artificial lighting including support services in respect of Health and Safety.

20. LOCKOUT SYSTEMS: - ELECTRICAL!

A system of control shall be established in order that no unauthorized person can energize a circuit, open a valve, or activate a machine on which people are working or doing maintenance, even if equipment, plant or machinery is out of commission for any period, thus eliminating injuries and damage to people and equipment as far as is reasonably practicable.

Physical/mechanical lock-out systems shall be part of the safety system and included in training. Lockouts shall be tagged and the system tested before commencing with any work or repairs.

21. INCIDENT INVESTIGATION

Inspection and reporting is the best way in which a responsible contractor can control his area of responsibility. All incidents therefore, irrespective of whether it gave rise to loss, injury, damage or not, shall be investigated and the results recorded in the Health and Safety File.

22. GENERAL

The project under control of the Principal Contractor shall be subject to periodic health and safety audits that will be conducted by the client at intervals agreed upon between the Principal Contractor and the client, provided such intervals will not exceed periods of one month. The Principal Contractor is to ensure that he/she and all persons under his control on the construction site shall adhere to the above specifications, as non-conformance will lead to the client taking action as directed by Construction Regulation 5(1) (q). The Principal Contractor should note that he/she shall be held liable for any anomalies including costs and resulting deficiencies due to delays caused by non-conformance and/or non-

compliance to the above Health and Safety Specifications and the Health and Safety Plan based on these specifications.

23. IMPORTANT RECORDS TO BE KEPT

- 1 Inspection checklist (template)

The documents are to be used as a point of reference to determine which components of the Act would be applicable to a particular site or task or project,

INSPECTION CHECKLIST

Employer Particulars	
Employer:	
Registered Name of Enterprise:	
Trade Name of Enterprise:	
Company Registration No.:	
SARS Registration No.:	
UIF Registration No.:	
COIDA Registration No.:	
Relevant SETA for EEA purposes:	
Industry Sector:	
Bargaining Council:	
Contact Person:	
Address of Premises:	
Postal Address:	
Telephone Number:	
Fax Number:	
E-mail Address:	
Chief Executive Officer:	
Chief Executive Officer Address:	
Competent Person:	
Maximum power demand: in KW	

Health and Safety Representatives:	
Activities, products manufactured and/ services rendered:	
Raw materials, materials and chemical/ biological substances:	
Total Number of Employees:	Male: Female:

Contractor Particulars	
Contractors:	
Site Address:	
Contracts Manager:	
Managing Director:	
Competent Persons:	
CR16(1): SCAFFOLDING:	
CR17(1): SUSPENDED PLATFORMS:	
CR19(8)(a): MATERIAL HOIST (S):	
CR20(1): BULK MIXING PLANT:	
CR10(1)(a): FALL PROTECTION:	
CR13(1)(a): EXCAVATION WORK:	
CR14(1): DEMOLITION WORK:	
CR21(2)(b): EXPLOSIVE ACTUATED FASTENING TOOLS	
CR28(a): STACKING	

INSPECTION				
SECTION/RE IS	ITEM CHECKED	N/A	YES	NO
	APPOINTMENTS			
CR8(1)	Supervisor:			
CR8(2)	Assistant Supervisor:			
CR8(5)	Construction Health and Safety Officer			

S17(1)	Health & Safety Representative: (ratio)			
S19(1)	Health & Safety Committees			
CR 14(1)	Demolition Expert			
	DOCUMENTS			
GAR 9(1)	Records of Incidents			
GAR 4	Copy of the Act			
GAR 7	Safety Reps Report			
Section 20(2)	Safety Committee Minutes			
DMR 18(7)	Lifting Machines, hand-powered lifting devices and lifting tackle			
CR 3(4)	Application for Construction Work Permit			
CR 4	Notification of Construction Work			
CR 9(6)	Risk Assessment			
CR 7(7)	Proof of the Health & Safety Induction Training			
CR 11(2)(c)	Structures			
CR13(2)(i)	Excavations			
CR7(1)(g)	Medical Certificates of Fitness			
CR 17(11)	Suspended platforms; inspections and performance test records			
CR 7(1)	Health & Safety File			
CR 17(11)	Suspended Platforms' Performance Records			
CR 19(8)(c)	Material Hoists Record Book			
CR21(2)(g)	Explosive actuated fastening device register			
CR 23(1)(k)	Construction Vehicle & Mobile Plant Register			
CR 24(e)	Electrical Installation & Machinery Register			
	INCIDENTS			
GAR 8(1) S24	Reported			
GAR 9(1)	Recorded Investigated Action Taken			
	PUBLIC SITE			
FR 2(1)	Sanitary Facilities			

CR 30(1) (c)	Changing Facilities for each sex			
CR 27(f)	Perimeter fence & no admittance			
CR 27(g)	Overhead protection netting/falling objects			
NB Notice	Pedestrian warning			
	PERSONAL SAFETY EQUIPMENT			
	Items Issued:			
GSR 2(3)	Items Required:			
S23	(What is the payment on each item?)			
	SAFETY PLANS			
	FIRST AID			
GSR 3(6)	Name(s) of First Aider(s):			
CR 5(1)(b)	Client's Health & Safety Specification			
CR7(1)(a)	Principal's contractor H&S Plan			
	FIRE HAZARD & PRECAUTIONS			
GR29	Flammables used, waste, hot work, diesel, fuel, gas			
	ELECTRICAL INSTALLATIONS & MACHINERY			
CR24	Guarding to Electrical Installations			
	ILLUMINATION			
ER 3(6)	Dangerous Places and signage as well			
	Housekeeping			
ER6(2)(b),(c),(d)	Clear space storage			
ER6(3)	Disposal of waste			

The guidelines and conditions provided in this attached document form an integral constituent of the Health and Safety Specifications. It is therefore a condition of acceptance that no Health and Safety Plan shall be complete unless all relevant elements of this document applicable to the above project have been included in the Health and Safety Plan. The final approval of the Health and Safety Plan in terms of CR5(1)(l) shall be subject to this requirement based on the following certification by the Principal Contractor or his Agent:

IMPORTANT CONTACT DETAILS

(FOR HEALTH & SAFETY ASPECTS ONLY)

The contractor is to add all the important contact information about essentials services, support and assistance.

SERVICE

NUMBER

CONTACT PERSON



Hospital		



Ambulance		



Water		
Electricity		



Police		



Fire Brigade		



Engineer		

ADD OTHER IMPORTANT HEALTH & SAFETY CONTACT DETAILS AS MAY BE FOUND NECESSARY.