

INVITATION TO BID**CBD 1**

BID NUMBER	7/2026
CLOSING DATE AND TIME	THURSDAY 6 AUGUST 2026 STRICTLY @ 12:00
DESCRIPTION	Construction of a Shade net Structure and Containerised WWTW (Winery)
NAME OF TENDERER/BIDDER	
CSD NUMBER	
TOTAL BID PRICE (VAT INCLUDED)	
VALIDITY PERIOD OF BID	90 DAYS

SUBMISSION OF DOCUMENTS

Sealed tenders, endorsed as indicated in the bid document, must reach **Casidra** SOC Ltd at their Head Office, 22 Louws Avenue, Southern Paarl, placed in the bid box available at Reception.

FAILURE TO PROVIDE ANY OF THE COMPULSORY DOCUMENTATION AND PARTICULARS MAY RENDER THE BID INVALID.

PLEASE NOTE:

Documents must be bound as **Casidra** will not take responsibility for any information that is lost due to unbound submissions of tenders.

THE FOLLOWING RETURNABLE DOCUMENTS (INCLUDING THE CBD FORMS AS PART OF THE BID) MUST BE VALID FOR A PERIOD OF 90 CALENDER DAYS AFTER CLOSURE OF THE BID AND SUBMITTED AS PART OF THE BID PACKET

Document	Description	Compulsory	Comment
CBD 1	Invitation to bid	✓	
CBD 2	Conditions to submit bid	✓	
CBD 3	Terms of Reference	✓	
CBD 4	Pricing schedule	✓	

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CBD 5 (a)	Supply Chain – Preferential Procurement Regulations 2022 and Codes of good practice	✓	
CBD 5 (b)	Declaration	✓	
Name of bidder			
Postal address			
Street address			
Telephone number (code and number)			
Cell phone number			
E-mail address			
VAT registration number			
SARS TCC attached (Foreign suppliers with no tax obligation in South Africa must complete the SBD1 form that will be submitted to SARS for verification and issuing of a Confirmation of Tax Obligation letter.)		YES	☐ NO ☐
Originally certified B-BBEE status level certificate/Original Sworn Affidavit (A B-BBEE status level verification certificate must be delivered to Casidra SOC Ltd, 22 Louws Avenue, Paarl, in order to qualify for preference points for B-BBEE)		YES	☐ NO ☐
CIDB Registration number	Number:	YES	☐ NO ☐
Registration for electrical compliance with department of labour	Number:	YES	☐ NO ☐
COIDA	Number:	YES	☐ NO ☐
I, _____ as the authorised representative of the company / CC / business hereby declare that, to the best of my knowledge the information submitted is true and correct and that I am duly authorized as a signatory of this bid. On behalf of my business, I accept the terms and conditions as set out in this document. I will supply documentary proof of any information supplied herein on request and to the satisfaction of Casidra. In terms of the POPI Act I further give consent that my contact and company details as will be captured on the Casidra database may be shared with the role players/funders involved in the project and be used by Casidra for the purpose of further procurement.			
Signature of bidder		Date	
Capacity under which this bid is signed			

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1. BID SUBMISSION:		
1.1. Bids must be delivered by the stipulated time to the correct address. Late bids will not be accepted. 1.2. All bids must be submitted on the official forms provided (not to be re-typed). 1.3. Bidders must be registered on the Central Supplier Database (CSD). 1.4. Original Sworn Affidavit and originally certified B-BBEE certificates must be submitted to bidding institution to qualify for preference points for B-BBEE. 1.5. Bids are subject to the Casidra SOC Ltd Financial Regulations, Preferential Procurement Policy Framework Act and the Preferential Procurement Regulations, 2022, the General Conditions of contract (GCC) where applicable, and if applicable other special conditions of contract.		
2. TAX COMPLIANCE REQUIREMENTS		
2.1. Bidders must ensure compliance with their tax obligations. 2.2. If a discrepancy exists between CSD and SARS, a printed version of the Tax Clearance Certificate (TCC) must be supplied by the supplier and the e-Filing PIN number for verification of authentication by Casidra SOC Ltd. 2.3. Foreign suppliers with no tax obligation in South Africa must complete SBD1 that will be submitted to SARS for verification and the issuing of a Confirmation of Tax Obligation letter. 2.4. Consortia/joint ventures/sub-contractors must each submit a separate TCC.		
3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS		
3.1. Is the bidder a resident of the Republic of South Africa (RSA)	Yes ☐	No ☐
3.2. Does the bidder have a branch in RSA?	Yes ☐	No ☐
3.3. Does the bidder have a permanent establishment in the RSA?	Yes ☐	No ☐
3.4. Does the bidder have any source of income in the RSA?	Yes ☐	No ☐
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO OBTAIN A TAX COMPLIANCE STATUS/TAX COMPLIANCE SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.		
4. TENDER CONDITIONS		
CASIDRA reserves the right to: - disregard any bids where the declaration has not been signed; - accept parts of the bid items or split bids based upon item prices; - disclose the results of the points awarded on request; - evaluate and award points according to the documentation supplied and evaluate functionality at its own discretion; - award the bid to the qualifying bidder with the highest number of points scored, unless the prices are not market related or on the basis of objective criteria stated in the tender documents, and - to award the bid to a bidder which does not necessarily have the lowest price.		
The bid may be cancelled if: - all the bid offers received are higher than R50 million; - circumstances change and there is no longer a requirement for this service; - funds are no longer available or if there are insufficient funds available in the budget for the work; - no acceptable bids and/or market related prices are received; - there is a material irregularity in the tender process (administrative non-compliance of prescribed legislation); - false information was supplied by the bidder; - Cancellation of bid will be placed in the same media as initially advertised.		
Other notes: - Final points scored will be rounded off to the nearest 2 decimal places. - In the event of equal scores, the offer with the highest B-BBEE score will be successful. If scores are still equal, and where functionality is part of the bid, the offer with the highest functionality score will be successful. If the scores are still equal, the drawing of lots will determine the outcome. Casidra SOC Ltd retains the right to amend financial/accounting calculations and to accept the amended amount as the new bid amount.		

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SUPPORTING DOCUMENTATION		
Project managers to indicate what supporting documentation MUST form part of the tender. If marked YES, then it must be provided to SCM:	Yes	No
Baseline Risk Assessment	☒	☐
Health & Safety plan	☒	☐
Drawings / sketches  cold mountain shadenet.pdf  Design Picture.pdf	☒	☐
COMPULSORY DOCUMENTATION NEEDED TO BE SUBMITTED AS PART OF THIS BID:		
COIDA – Letter of good standing	☒	☐
COMPANY PROFILE – Detailed company profile including but not withstanding core business activities, background, resources, etc.	☒	☐
CONSTRUCTION MANAGER COMPETENCY - Provide proof of competency of a construction manager in terms of Construction Regulations 2014 Clause 8 in format of CV showing competency in field of construction as well as health & safety	☒	☐
CIDB - Provide written proof for a minimum grading of 3GB and 3CE	☒	☐

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TERMS OF REFERENCE

CBD 3

PROJECT: STANFORD: COLD MOUNTAIN COOP: CONSTRUCTION OF A SHADE NET STRUCTURE	
GENERAL REQUIREMENTS The works, as described, are situated close to Stanford. The quoted amount will be a lump bid and must include labour, material and machinery. The successful bidder must have the capacity to start the works within 7 (seven) days of appointment.	
Conditions that may pose a risk: Rocky ground conditions can be expected and the construction site is situated on a slope. Security for materials and equipment must be supplied. The Contractor must put all necessary precautions in place to work under these conditions and prepare the site with the correct falls.	
CONTRACT PERIOD	The completion period of this service is (Three) 3 Months starting from the day of appointment.
RETENTION	Retention is 10% of contract sum for 3 months not bearing interest, with no upper limit.
PENALTY CLAUSE	The penalty R 550.00 per calendar day will be applied for late completion of works.
COMPULSORY SITE MEETING	TUESDAY 28 JULY 2026 12:00, BRUNIA WINES, STANFORD.
CIDB GRADING (If marked YES under Procurement Strategy above)	For Construction works above the value of R500 000: tenderers must have a CIDB contractor grading designation GRADE 3GB and 3CE or higher. Joint ventures are eligible to submit tenders provided that: 1. Every member of the joint venture is registered with the CIDB; 2. The lead partner has a contractor grading designation in the (above indicated) class of construction work; 3. The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with Table 9 of the <i>Construction Industry Development Regulations, 14 November 2008, GG 31603.</i>

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SUB CONTRACTING Bidder to complete sub-contracting section on CBD 5 if applicable.	Under CIDB Practice note 7 of 2007, one of the following subcontracting will apply: 1. Domestic subcontractor (appointed by the main contractor at his/her discretion);
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FUNCTIONAL REQUIREMENTS
Functional refers to: A service or product that is designed to be practical, useful, working or operating, taking into account factors like quality, reliability, viability, and durability and the technical capacity (time and resources) and ability (knowledge and skills) of the bidder to execute the works. <i>Bids that fail to meet the minimum score, for individual criteria and total for functional criteria as stipulated in the tender document, will be an unacceptable tender.</i> This bid is subject to the evaluation of functional requirements: NO
LABOUR LOG SHEETS
One of Casidra's agreed mandate with the Western Cape Department of Agriculture is to report on jobs created for the individual projects. To assist Casidra with accurate reporting it is a condition of this bid document that the successful bidder will have to submit labour log sheets with all required information properly completed. Documentation <u>MUST be submitted with every payment claim</u> from the Contractor on a monthly basis. Failure to submit this information will result in default by the contractor and may affect payment certificates being issued. Documentation will consist of excel spreadsheet combined total person days, weekly log timesheet & relevant copies of South African ID Documents of workers claimed for under person days. This documentation will be emailed to the successful bidder. Weekly log sheet MUST be signed by workers on the site. The person days claimed for workers must have South African citizenship. The Protection of Personal Information Act 4 of 2013 (also known as POPIA), regulates and controls the processing, usage and storage of personal information. In order to be compliant with POPIA, Casidra commits not to share your information with any third party outside Provincial & National Departments of Agriculture, project management agencies, co-workers and associates / partners as per our business approval and evaluation, and reporting processes.

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SCOPE OF WORKS

This project consists of the following 2 elements:

1. SHADE-NET

Cold Mountain Farming requires a shade-net structure, size 204 x 150m constructed of CCA treated wooden poles frame and 40% green shade-net cover. The contractor must provide all necessary material, machinery and labour to construct the shade-net structure as indicated on the attached plan.

THE SCOPE OF WORKS ELEMENTS

1. Removal of vegetation
2. Levelling of site
3. Planting of poles
4. Installation of anchor cables
5. Installation of Wire support
6. Double gates

REMOVAL OF VEGETATION AND SITE LEVELLING

Clear the ground and level where the shade-net is to be constructed. This operation shall be deemed to include the digging up and removal of rubbish, debris, vegetation, hedges, shrubs, bush etc. as well as the digging up of top soil and examining for and removal of all dead roots and other vegetable matter likely to provide food for termites.

Prepare the site by cutting and filling to obtain a final of 2% fall from North to South

POLE SUPER STRUCTURE:

Contractor to erect structure as per the below specification and the contract drawing. Any discrepancy must be brought to the attention of the project manager during the tender process.

POLES

All corner, intermediate and stay poles for the shade-net structure to be CCA treated round poles, to SANS 457, size for the external poles (Yellow marked) to be 5400mm long with diameters shown on drawing.

Poles to be installed as per the layout plan. Contractor to note the 4500mm height above ground level needed throughout the structure as required by the client.

ANCHOR CABLING & POLE

The anchor has to be fixed with fully galvanised 8mm thick stainless steel anchor cabling at angles as shown. Contractor to note that the anchor cables must be wound up in its entire length. Stay cables must be attached to the perimeter poles at the same point of tension as where the horizontal cable or wire is attached.

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The anchor wire must be attached to 20mm Y – Type steel bars. The bars are to be driven at a minimum depth of 900mm into the ground or deeper until solid ground are reach. The outer poles to be attached to 20mm Y – Type steel bars with a concrete base as shown on the drawing.

WIRE SUPPORT & INSTALLATION

Allow for both anchor, top and cross lines formed from high stainless steel, 6mm anchor cabling. All side wiring to be 2.24mm fully galvanising wiring. Wires to be installed as per drawing. Lacing up is critical to the overall stability of the structure and to the longevity. Once cloth has been laced up and the wires tied and tensioned onto the respective poles, the cloth must be pleated like curtain material on the taut edges.

After the cross wires have been tensioned, close gaps of the cloth with 75mm long by 2,5mm thick cable ties at 200mm centres.

SHADE CLOTH

Cover the complete structure with 40% green shade netting. Shade cloth netting to be knitted conforming to SABS standard 1703 Edition 1.02 - 2003. The shade-net to be fastened unto the steel wire running over the pole line in longitudinal direction by continuous twine in order to prevent billowing during strong winds.

DOUBLE GATES

The double gates to the opening to be of sizes to fit the opening shown and constructed out of 32 x 32 x 3mm galvanised framework, mitred at angles and all welded together. Fill in the framing with 2,5mm thick, 50mm galvanised hexagon fencing material.

Each grille to hung on purpose made bullet hinges. Allow for three hinges per gate.

Provide the one gate with 1 x lockable barrel bolts fixed to the middle of the gate and 2 x lockable barrel bolts to the bottom of each gate as shown. Allow for 300 x 200 x 150mm wide concrete block as shown below the barrel bolts.

Provide each gate with 3 x 50mm highly security locks with three (3) keys per lock.

NOTE: The position of the two gates will be shown out on site hand over

CLEANING OF SITE

Contractor to allow for picking up all loose cut wire to ensure that farm animals cannot eat the waste and cause internal damage. All concrete spillage to be picked up and carted off site.

2. WASTE WATER TREATMENT:

For the treatment of biodegradable wine cellar effluent and sewage, the proposal is for a low energy, potentially carbon neutral biological treatment process in order for the treated waste water to be re-used for dust suppression, irrigation and flushing of toilets.

The treatment process can be briefly described as follows;

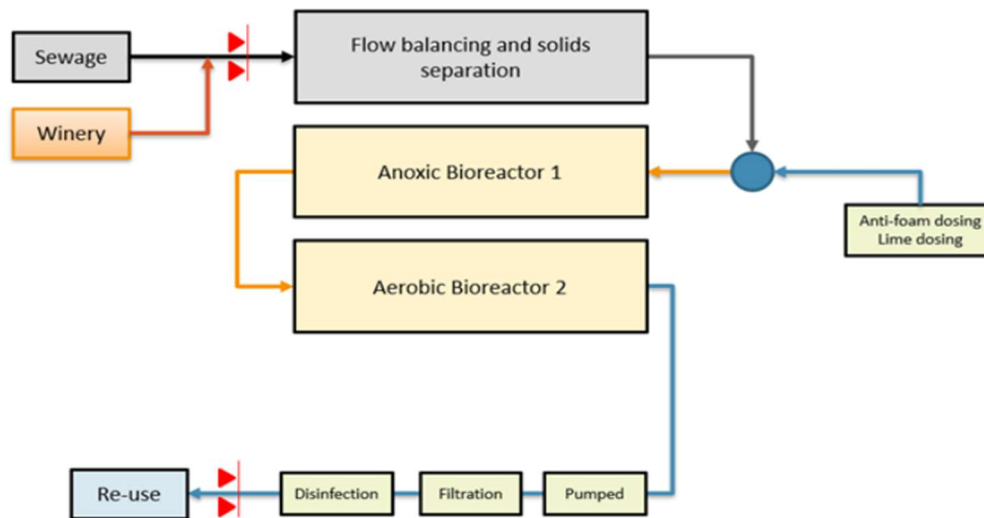
- Sewage and winery effluent gravity flows to the first stage of the proposed treatment plant which comprises of solids separation chambers and pump sump

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- Biological treatment of wastewater.
- High rate activated sludge aerobic treatment with various chemicals etc
- Re-use of treated water mentioned before where the quality is compliant with the South African Department of Water and Sanitation (DWS)

The system needs to be designed for a waste water flow of approximately 15,5 m³/day which includes the following;

- 300-ton cellar with a waste outflow of 11 kl/day
- Sewerage outflow of 4 kl/day



Expected Outcome:

A fully operational wastewater treatment plant capable of receiving combined sewage and winery effluent, treating the wastewater through flow balancing, biological treatment, filtration and disinfection processes, and producing treated water suitable for re-use.

Site Preparation

- Clear vegetation and unsuitable material.
- Level the site to the required platform level.
- Compact the formation to engineer's requirements.
- Mark positions of containers, pipe routes and chambers.

Construct Foundations

- Excavate foundation areas.
- Prepare and compact subgrade.
- Cast reinforced concrete plinths for the three containers.
- Cast concrete bases for pumps, dosing equipment and control panels.

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- Allow concrete to cure before installation.

Install Underground Pipework

- Excavate pipe trenches.
- Lay inlet, interconnecting and outlet pipelines.
- Install valves and fittings.
- Backfill and compact trenches.

Construct Inlet and Outlet Structures

- Construct inlet receiving chamber.
- Construct treated water outlet chamber.
- Install pipe penetrations and fittings.
- Test structures for leaks.

Deliver and Position Containers

- Transport treatment containers to site.
- Offload using crane.
- Position containers on prepared foundations.
- Secure containers to foundations.
- Verify alignment and levels.

Mechanical Installation

- Connect all inter-container pipework.
- Install pumps and valves.
- Install aeration equipment.
- Install dosing equipment for lime and anti-foam.
- Install filtration and disinfection equipment.
- Complete all mechanical connections.

Electrical Installation

- Install control panel and distribution board.
- Install power and control cabling.
- Connect pumps, blowers and instrumentation.
- Install earthing and surge protection.
- Test electrical systems.

Testing

- Conduct hydrostatic testing of pipework.
- Check operation of pumps and blowers.
- Test dosing systems.
- Verify operation of instrumentation and controls.
- Rectify defects identified during testing.

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Commissioning

- Introduce clean water and test plant operation.
- Gradually introduce wastewater flow.
- Monitor treatment performance.
- Adjust aeration and dosing requirements.
- Demonstrate compliance with design requirements.

Training and Handover

- Train operational personnel.
- Provide operation and maintenance manuals.
- Submit as-built drawings.
- Complete final inspection and handover.

Sequence Summary

1. Site establishment.
2. Site preparation.
3. Foundations.
4. Pipework installation.
5. Inlet/outlet chambers.
6. Container placement.
7. Mechanical installation.
8. Electrical installation.
9. Testing.
10. Commissioning.
11. Handover.

END OF WORK TO BE DONE

GENERAL CONDITIONS

SITE ACCESS:

The movement of vehicles on the site should be confined to demarcated access routes and existing roads should be used where approved by the Project Manager. Any deviation should first be approved by the Project Manager in consultation with the Landowner. The Contractor should ensure that vehicles leaving the site are clean and, wherever possible do not deposit mud and any other earth material on road surfaces. Please note to make allowance for removing security fencing panels and reinstatement in the tender pricing to gain access using the mechanized plant.

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STORAGE SHEDS FOR EMPLOYEES AND MATERIALS:

The Contractor shall provide for the supply, erection and maintenance and removal on completion of the works, of ample temporary sheds for the proper storage of materials and the use of his employees.

TEMPORARY LATRINES:

The contractor shall provide for the supply and erection of proper temporary latrines for the use of his employees. Latrines are to be maintained in a thoroughly clean and orderly condition and adopt such precautions to prevent the soil from being contaminated/polluted and remove such latrines after the works.

FIRE PREVENTION MEASURES:

No unauthorized fires may be allowed inside the construction area.

(Please see the baseline risk assessment and the health and safety specification).

The Contractor shall pay damages and the costs incurred to organizations called to put out any fires started by him.

The Contractor shall also pay any costs incurred to reinstate/rehabilitate burnt areas as deemed necessary by the Project Manager.

SECURITY:

The successful bidder is responsible for the security of his/her plant, facilities, resources, etc for the duration of the contract.

SITE CLEAN UP:

The Contractor shall ensure that all structures, equipment, materials, and facilities used or created on-site for or during construction activities are removed to the satisfaction of the Project Manager once the project has been completed. All roads to be repaired to at least its original condition. All damage to the site's infrastructure or land production must be repaired or rehabilitated before completion of the project

TIMELINE

ACTION	START DATE	END DATE	TOTAL DAYS
Administrative and tender preparation	2026-06-23 Tue	2026-07-17 Fri	24
Tender runtime/sourcing of quotes	2026-07-21 Tue	2026-08-06 Thu	16
Adjudication and award of bid (BEC)	2026-08-06 Thu	2026-08-13 Thu	7
Adjudication and award of bid (BAC)	2026-08-13 Thu	2026-08-20 Thu	7
Award & objection period	2026-08-21 Fri	2026-09-04 Fri	14
Time to activate delivery	2026-09-04 Fri	2026-09-07 Mon	3
Construction time/delivery completed	2026-09-07 Mon	2026-12-06 Sun	90
Total duration			161

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BID CONDITIONS

Lump Sum Bid

These documents are for a lump sum bid for all labour and material as set out in the Scope of Works. For the purposes of variation orders, the hourly or unit rates rate of the services should also be given if requested on the form **CBD 4**.

No unit rate price adjustment of whatever nature, except for decreases or increases in the Value-Added Tax (VAT) and / or Variation Orders, will be applicable in this contract. The bidder shall make provision in his bid price for possible fluctuations in costs.

Premises in Occupation

The premises for the works **will** be in occupation during the contract period. Approval to access the premises must be obtained from the land owner.

Fixed Price Bids

No contract price adjustment of whatever nature, except for decreases or increases in the Value-added Tax (VAT) and / or Variation Orders, shall be applicable in this contract. The Contractor will make provision in his bid for possible fluctuations in costs.

If the instruction / appointment for the construction of certain phases is done after the validity of the bid has expired, prices may, on request, be updated or re-negotiated within the reasonable norms of escalation.

Expenses in Preparation of Bid

The Client will not be responsible for, subject to the Preferential procurement regulations, nor pay any expenses for losses which the bidder may incur in preparation of this bid.

Inspection of Site

Bidders must familiarise themselves with the local conditions, the accessibility of the site, the full extent and nature of the work to be done and the conditions affecting the execution and pricing of the bid. Claims on the grounds of lack of knowledge in such respects or otherwise will not be entertained.

If a site meeting is held, notice of attendance must be forwarded to the contact person.

Only information given in writing to the Contractor by the Engineer during the tender period will be regarded as binding on the Contract. Verbal information, given during the site inspection or at any other time prior to the award of the Contract, will not be regarded as binding on the Contract.

Site

The site to be occupied will be clearly pointed out to the Contractor at the site handover. The Contractor will not be allowed to extend his operations beyond the boundaries of the site.

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Water for the Works

The Contractor may use if available. He will obtain permission from the Land Owner before any connection to or extension of the existing supply is made, which will be executed, removed and made good on completion of the works at the Contractor's own expense.

Electricity & Lighting for the Works

The Contractor may use the existing power if available. He will obtain permission from the Land Owner before any connection to or extension of the existing supply is made, which shall be executed, removed and made good on completion of the works at the Contractor's own expense.

The Contractor will allow for the risk of failure in the electrical supply or in case of an insufficient supply, in which case he will make his own arrangements and all costs that may arise shall be for his own account.

Scaffolding & Hoisting Equipment

The Contractor will provide for the supply, erection and removal of scaffolding and / or hoisting equipment as required.

Tools, Equipment & Machinery

The Contractor will provide all his own tools and equipment as well as facilities and transport for this project. Machinery should be sufficient to complete the works in the allocated time.

Existing Services

If the Contractor encounters any existing services such as cables, pipes or sewers during the execution of the works, he must immediately notify the Client, halting all work in the vicinity thereof, until instructions to proceed have been given by the Project Manager.

Electric wires, telephone wires, pipes, etc. will not be interfered with during the course of the contract but if it should be necessary to disconnect or cut any such wires or pipes, the Client will be advised thereof and his instruction awaited.

Accounts and Payments

Payment of accounts received by the Client in terms of the works completed, shall be affected within 30 days after receipt of a correctly completed and approved invoice for the work module. The Client does not accept responsibility for delays in payment due to faulty accounts or paperwork.

Payments will be done maximum on a fortnight basis and will only be made for work done/completed. Payment will be based upon a completed payment schedule which will be completed by bidder on award of tender. Payments will only be made upon physical inspection and sign off of completed work. Please allow timeous notice for inspections so that the necessary travel arrangements can be made.

Wage rates

Be responsible for all the sub-Contractors appointed by him to complete the works. A minimum **of 35%** of local labour must be incorporated in the project and all workers must be SA citizens.

The area for which local labour is to be sourced is in a 50km radius from site.

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The following guidelines should be considered when setting rates of pay for workers:

- The rate set should take into account wages paid for comparable unskilled work in the local area per sector, if necessary.
- The rate should be an appropriate wage to offer an incentive for work, to reward effort provided and to ensure a reasonable quality of work.
- It should not be more than the average local rate to ensure people are not recruited away from other employment and jobs with longer-term prospects.
- Men, women, disabled persons and the aged must receive the same pay for work of equal value.
- Provision should be made in the tender for value for payment of UIF and COIDA statutory levies.

Construction Insurance

Proof of construction insurance for planned work must be submitted by the successful contractor **within 14 calendar days upon receipt of letter of award**. The value of the construction insurance is to be equivalent or higher than the accepted bidder's price.

Inspections, tests and analysis

All pre-bidding testing will be for the account of the contractor.

If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the contractor shall be open, at all reasonable hours, for inspection by a representative of the Client or an organization acting on behalf of the Client.

If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the Client shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.

If the inspections, tests and analyses show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the Client.

Where the supplies or services do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the contractor.

Supplies and services which do not comply with the contract requirements may be rejected.

Any contract supplies may on or after delivery be inspected, tested or analysed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the cost and risk of the contractor who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do comply with the requirements of the contract. Failing such removal, the rejected supplies shall be returned at the contractors cost and risk. Should the contractor fail to provide the substitute supplies forthwith, the Client may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the contractor.

The provisions of above clauses regarding inspection & testing shall not prejudice the right of the Client to cancel the contract on account of a breach of the conditions thereof, or to act in terms of the conditions of contract.

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Warranty

The contractor warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The contractor further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Client's specifications) or from any act or omission of the contractor, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.

This warranty shall remain valid for **twelve (12) months** after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise.

The Client shall promptly notify the contractor in writing of any claims arising under this warranty. Upon receipt of such notice, the contractor shall, within the period specified and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the Client.

If the contractor, having been notified, fails to remedy the defect(s) within the period specified, the Client may proceed to take such remedial action as may be necessary, at the contractor's risk and expense and without prejudice to any other rights which the Client may have against the contractor under the contract.

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PRICING SCHEDULE

CBD 4

Please read notes on next page.							
NAME OF BIDDER							
BID NUMBER							
Are you registered in terms of sections 23 of the Value-Added Tax Act 1991 (Act no 89 of 1991) as amended?1			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Yes</td> <td style="width: 50%; text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">☐</td> <td style="text-align: center;">☐</td> </tr> </table>	Yes	No	☐	☐
Yes	No						
☐	☐						
If yes to above, provide your VAT number							
Bill of quantities (if yes, it will be attached separately)			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Yes</td> <td style="width: 50%; text-align: center;">No</td> </tr> <tr> <td style="text-align: center;">☐</td> <td style="text-align: center;">☒</td> </tr> </table>	Yes	No	☐	☒
Yes	No						
☐	☒						
Item no	Quantity	Description	Bid price (RSA currency) (see 3a)				
1	1	Construction of a Shade-net Structure					
1	1	Construction of Containerised Waste water treatment system					
		Installation					
		Commission					
		SUB TOTAL					
		VAT					
		GRAND TOTAL					

Signature of bidder	
Date	

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To be initialised by bidder		<i>Initial here</i>

NOTES (applicable where indicated)		
A. PRICE (where applicable)		
1. FIRM PRICES a. Only firm prices will be accepted. b. No non-firm prices will be considered. c. All delivery cost must be included in the bid price for delivery at prescribed destination. d. In cases where different delivery points influence the pricing, a separate pricing schedule must be submitted for each delivery point. 2. NON-FIRM PRICES a. In cases of period contracts, non-firm prices will be adjusted (loaded) with the assessed contract price adjustments implicit in non-firm prices when calculated the comparative prices. b. Price adjustments will be allowed at periods and times specified in the bidding documents. c. In cases where different delivery points influence the pricing, a separate pricing schedule must be submitted for each delivery point. d. The quantities are given as a guideline for a bid and for the purposes of unit rates and in no way be used as a measured bid. 3. PROFESSIONAL SERVICES a. All applicable taxes include value-added tax, pay as you earn, income tax, unemployment insurance contributions and skills development levies.		
B. CONSTRUCTION (applicable to construction only)		
1. The total price for the service must include all labour and material required for the proper execution of the work as described in the Scope of Works and as per Engineers drawings (where applicable). 2. The tender will be evaluated on the criteria for a market related price. 3. The contractor must attach a detailed and comprehensive proof of competency of a construction manager in terms of Construction Regulations 2014, Clause 8 including experience regarding construction health & safety regulations. 4. The contractor must attach the proof of CIBD grading as specified in the scope of works. 5. The contractor must be in possession of a valid COIDA letter of good standing and it must be attached. 6. Where applicable, the contractor must attach valid proof or registration with the Department of Labour for the installation of the main electrical supply.		
C. OTHER NOTES (applicable to all bids)		
1. The tender will be evaluated on the criteria for a market related price. 2. The full cost of the service and/or works must be indicated and may not be discounted or cross subsidised against another service, project, transaction or sale of goods. Such contributions against the total project cost must be specified, itemised, costed and clearly indicated in the bid. 3. The prices must be valid for a period of 90 days from date of closure of the bid to allow for evaluation and appointment. 4. Casidra SOC Ltd retains the right to amend financial/accounting calculations and to accept the amended amount as the new bid amount.		
D. COMPANY PROFILE (applicable when requested)		
1. The contractor must attach a detailed and comprehensive company profile including core competencies of personnel . The company profile must summarize information about the organisation. 2. The company profile must include the following: a. Company core business activities (describe products and services and markets in which it operates). b. Company background (state number of years in business, location, history of company etc.) c. Company resources (number of employees, core competencies of personnel, structure of company)		
E. WARRANTY (applicable when requested)		
1. Where requested, the bidder must attach proof of warranty offered on the letterhead of the bidder.		
F. BROCHURE (applicable when requested)		
1. Bidder must provide detailed brochure and technical specifications of products where requested. 2. Bidder must be able to provide proof of service location within applicable radius as specified in CBD 3 (Scope of works).		
G. AFTER SALES SERVICES AGREEMENT (applicable when requested)		
1. Where applicable, the bidder must sign and submit the after sales agreement.		
H. APPOINTMENT (applicable to construction and professional services)		
1. The successful contractor will be given notification in writing by means of an appointment letter 2. The successful contract must sign the CBD 8 , together with this document, which will form the contract.		
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To be initialised by bidder		<i>Initial here</i>

CHANGES MADE BY BIDDER

If the bidder wishes to make any changes to any of the bid conditions or specifications, or wishes to qualify this bid in any way, it must be clearly set out below. Any changes made and not listed, will disqualify a bid.

Any changes made by the bidder outside the scope of works, resulting in not meeting pre-qualifying conditions or compulsory subcontracting, may influence the functionality of the end product and may result in the bid being disqualified.

[illegible]

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To be initialised by bidder		<i>Initial here</i>

REFERENCES PROVIDED BY TENDERER

BIDDER IS NOT SUPPOSED TO SIGN THESE DOCUMENTS. THE REFERENCE FORM MUST BE SIGNED BY PERSON SUBMITTING THE REFERENCE

Reference company name					
Contact information					
Description of work					
Value of work					
Completed					
Performance of the contractor according below criteria:					
	Poor/bad	Done	Average	Good quality	Excellent
Quality of work					
Project time frame					
Completed within budget					
Overall management of works					
Signed by (Name)					
Signature of company reference					
Date					

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To be initialised by bidder		Initial here

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Value of work					
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	Poor/bad	Done	Average	Good quality	Excellent
Quality of work					
Project time frame					
Completed within budget					
Overall management of works					
Signed by (Name)					
Signature of company reference					
Date					

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To be initialised by bidder		Initial here

SCHEDULE: CONSTRUCTION MANAGER COMPETENCY

The contractor must attach to this page DETAILED & COMPREHENSIVE proof of competency of a construction manager in terms of Construction Regulations 2014 Clause 8.

Please attach a complete CV for evaluation purposes relevant to this occupation of Construction work.
Please also supply this particular person's experience regarding construction health & safety regulations.

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To be initialised by bidder		<i>Initial here</i>

SCHEDULE: DETAILED COMPANY PROFILE

The contractor must attach to this page a DETAILED & COMPREHENSIVE company profile including core competencies of personnel. The company profile must summarize information about your organisation. In order for a company profile to be compliant for this bid, the following detail MUST be included in the company profile.

- Company core business activities – Describe your products and services and markets in which you operate
- Company background – State number of years in business, location, history of company, etc
- Company resources – Number of employees, core competencies of personnel, structure of company - organogram

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To be initialled by bidder		Initial here

COIDA LETTER OF GOOD STANDING

The contractor must attach to this page a copy of the current letter of good standing

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To be initialised by bidder		<i>Initial here</i>

SCHEDULE: CIDB GRADING

The contractor must attach to this page their proof of CIDB grading of **3GB and 3CE** or higher

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To be initialised by bidder		<i>Initial here</i>

SUPPLY CHAIN MANAGEMENT			
PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022 AND CODES OF GOOD PRACTICE			
Only for use of bids from R2 000 to maximum of R50 million			
Casidra, as a Schedule 3D development and implementation agent for the Western Cape Provincial Government underwrites, and complies with the Provincial and National developmental initiatives and administers funds on behalf of donors. Within this context, and because of the specific requirements of the donors for the application of the funds, the awarding of bids is dependent on the special evaluation criteria as set out in the policies of Casidra. The evaluation criteria of this Preferential Procurement Policy are based on the “Preferential Procurement Policy Framework (Act 5 of 2000)” and related Regulations. Awarding of the bid is dependent on preferential points system, and every presentation is measured against the specific evaluation criteria as shown. The completion and signature of the document is thus a pre-requisite to qualify as a service provider.			
This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution. NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST MAKE SURE OF THE CONTENTS OF THE BROAD BASED BLACK ECONOMIC EMPOWERMENT ACT AND THE CODES OF GOOD PRACTICE WHICH CAN BE FOUND ON: • http://www.thedtic.gov.za/financial-and-non-financial-support/b-bbee/broad-based-black-economic-empowerment/ • https://www.gov.za/documents/broad-based-black-economic-empowerment-act • https://www.bbbeeecommission.co.za/			
DEFINITIONS			
1.1	“ affidavit ” is a type of verified statement or showing, or in other words, it contains a verification, meaning it is under oath or penalty of perjury, and this serves as evidence to its veracity and is required for court proceedings;		
1.2	“ B-BBEE ” means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;		
1.3	“ B-BBEE status level of contributor ” means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice of Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;		
1.4	“ EME ” is an Exempted Micro Enterprise with an annual total revenue of R10 million or less;		
1.5	“ Large Enterprise ” is any enterprise with an annual total revenue above R50 million;		
1.6	QSE is a Qualifying Small Enterprise with an annual total revenue between R10 million and R50 million;		
1.7	“ The Act ” means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000);		
1.8	“ The Regulations ” means the Preferential Procurement Regulations, 2011 and 2022;		
1.9	“ Consortium or joint venture ” means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract;		
1.10	“ person ” includes a juristic person;		
1.11	“ sub-contract ” means the primary contractor’s assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract;		
1.12	“ trust ” means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and		
1.13	“ trustee ” means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person;		
1.14	“ Original sworn affidavit ” means the initial document which was not photocopied or electronically reproduced;		
1.15	“ Original certified B-BBEE certificate ” means the certification of a copy of the B-BBEE certificate confirming the validity of the original document. The stamp of the notary must be ORIGINAL .		
GENERAL CONDITIONS			
1.1	The value of this bid is estimated to not exceed R50 million (all applicable taxes included) and therefore the 80/20 points system shall be applicable.		
1.2	Preference points for this bid shall be awarded for:		
	(a) Price; and		
	(b) B-BBEE Status Level of Contribution.		
1.3	The maximum points for this bid are allocated as follows:		
	<table border="1"> <thead> <tr> <th>POINTS</th> </tr> </thead> <tbody> <tr> <td> </td> </tr> </tbody> </table>	POINTS	
POINTS			

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	PRICE	80	
	B-BBEE STATUS LEVEL OF CONTRIBUTION	20	
	Total points for Price and B-BBEE	100	

1.4 Failure on the part of a bidder to fill in, sign this form and submit in the circumstances prescribed in the Codes of Good Practice either a B-BBEE Verification Certificate form issued by a Verification Agency accredited by the South African Accreditation System (SANAS) or by a Registered Auditor approved by the Independent Regulatory Board of Auditors (IRBA) or an affidavit confirming annual total revenue and level of black ownership together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.5 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

1.6 The bidder is responsible to provide **Casidra** SOC Ltd with (refer to 2.2 under POINTS AWARDED FOR PRICE:

1.6.1. An **original sworn affidavit**

1.6.2. An **originally certified B-BBEE certificate**.

ADJUDICATION USING A POINT SYSTEM

1.1 Subject to Regulation 7 of the **Casidra** SOC Ltd Financial Regulations and PPR 2022, the bidder obtaining the highest number of total points will be awarded the contract.

1.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts.

1.3 Points scored must be rounded off to the nearest 2 decimal places.

1.4 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.

1.5 However, where functionality criterion forms part of the bid and is part of the evaluation process, and two or more bids have scored equal points including equal preference points for B-BBEE, the successful bid must be the one scoring the highest score for functionality.

POINTS AWARDED FOR PRICE

THE 80/20 PREFERENCE POINT SYSTEM

1. A maximum of 80 points is allocated for price on the following basis:

$$Ps = 80 \left(1 - \frac{Pt - Pmin}{Pmin} \right)$$

Where
Ps = Points scored for price of tender under consideration
Pt = Rand value of offer tender consideration
Pmin = Rand value of lowest acceptable tender

2. A maximum of 20 points will be awarded for B-BBEE status level of contribution:

2.1. In terms of Regulations 5(2) of the Regulations preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level on Contributor	Number of points	Points awarded (for office use only)	BEE recognition level
1	20	EME & QSE 100% Black owned	135%
2	18	EME & QSE 51% + Black	125%
3	14		110%
4	12	EME 51% < Black owned	100%
5	8		80%
6	6		60%
7	4		50%
8	2		10%
Non-compliant contributor	0		0%

2.2. B-BBEE requirements:

An **EME** must submit a valid, fully completed, **original, certified, dated and signed sworn affidavit** (no photostat copies of certification allowed) confirming annual turnover and level of black ownership or an affidavit issued by Companies Intellectual Property Commission (accounting officer for a Closed Corporation).

If a **startup EME**, a **clear, originally certified copy**, of B-BBEE certificate issued by the CIPC for EME's only is accepted.

A **QSE that is less than 51% (50% or less) black owned** must be verified in terms of the QSE scorecard issued via Government Gazette and submit a **clear, valid, originally certified copy** of a B-BBEE Verification Certificate issued by SANAS.

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A **QSE that is at least 51% black owned (51% or higher)** must submit an **original, certified, dated and signed sworn affidavit** confirming turnover and level of black ownership as well as declare its empowering status or an affidavit issued by Companies Intellectual Property Commission.

A **large enterprise** must submit a **clear, valid, originally certified copy** of a B-BBEE Verification Certificate issued by a verification agency accredited by SANAS.

A **trust, consortium or joint venture**, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.

A **trust, consortium or joint venture** (including unincorporated consortia and joint ventures) must submit a consolidated B-BBEE status level verification certificate for every separate tender.

Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.

3. Bids of non-compliant contributors (where no certificate was submitted) will be considered but no points will be awarded for B-BBEE status.

DECLARATION

Bidders who claim points in respect of B-BBEE status level of contribution **MUST** complete the following:

1. B-BBEE status level of contributor claimed in terms of paragraph 1 and 2 above:

B-BBEE status level of contributor:

2. SUB-CONTRACTING

2.1. Will any portion of the contract be sub-contracted:

Yes ☐

No ☐

(Tick applicable box)

2.2. If YES, INDICATE:

a. What percentage of contract will be subcontracted?

b. The name of the subcontractor

c. B-BBEE status level of the sub-contractor

d. Is sub-contractor EME or QSE

Yes ☐

No ☐

e. Attach the **originally certified** B-BBEE certificate/**original** sworn affidavit as proof.

MARKET RELATED PRICING

If a bidder, whose tender is compliant and received the highest overall points, do not offer a market related price, the offer may be negotiated with that bidder to be market related.

Are you willing to negotiate your offer?

Yes ☐

No ☐

SUPPLY CHAIN PERFORMANCE MEASUREMENT

In order for **Casidra** to measure its supply chain efficiency and effectiveness, please assist us by answering the following questions:

- What were the source that made you became aware of this bid being available.

Personal Email invite to bid:	☐
Via a friend or business partner:	☐
National Government E-Tender website:	☐
Local Newspapers:	☐
Casidra own website:	☐
CIDB website	☐
Other (specify)	☐

- Was the time allowed to date of closure sufficient for you to compile an offer?

No – too short ☐	Yes – Sufficient ☐	No - Too long ☐
---	---	--

I, _____
as the authorised representative of the company / CC / business hereby declare that, to the best of my knowledge the abovementioned information is true and correct and that I am duly authorized as a signatory of this bid. On behalf of my business, I accept the terms and

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conditions as set out in this document. I will supply documentary proof of any information supplied herein on request and to the satisfaction of Casidra. In terms of the POPI Act I further give consent that my contact and company details as will be captured on the Casidra database may be shared with the role players/funders involved in the project and be used by Casidra for the purpose of further procurement.	
Signature	
Date	

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CBD 5.1 (b) DECLARATION

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

- 1.1 Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa, 1996 (Constitution), and further expressed in the various applicable legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.
- 1.2 If a person is listed in the Register for Tender Defaulters and/or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. DECLARATION ON EMPLOYMENT BY ORGAN OF STATE

- 2.1 Is the bidder, or any of the directors / trustees / shareholders / members / partners of the bidder employed by an organ of state, as defined in section 239 of the Constitution? **YES/NO**
- 2.2 If YES, furnish particulars of the names, individual identity numbers, in the table below:

Full Name	Identity Number	Name of organ of state

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

- 2.3.1 If so, furnish particulars:

.....
.....

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

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

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

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To be initialised by bidder		<i>Initial here</i>

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

3 GENERAL DECLARATION

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

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

I CERTIFY THAT THE ABOVE IS CORRECT.

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

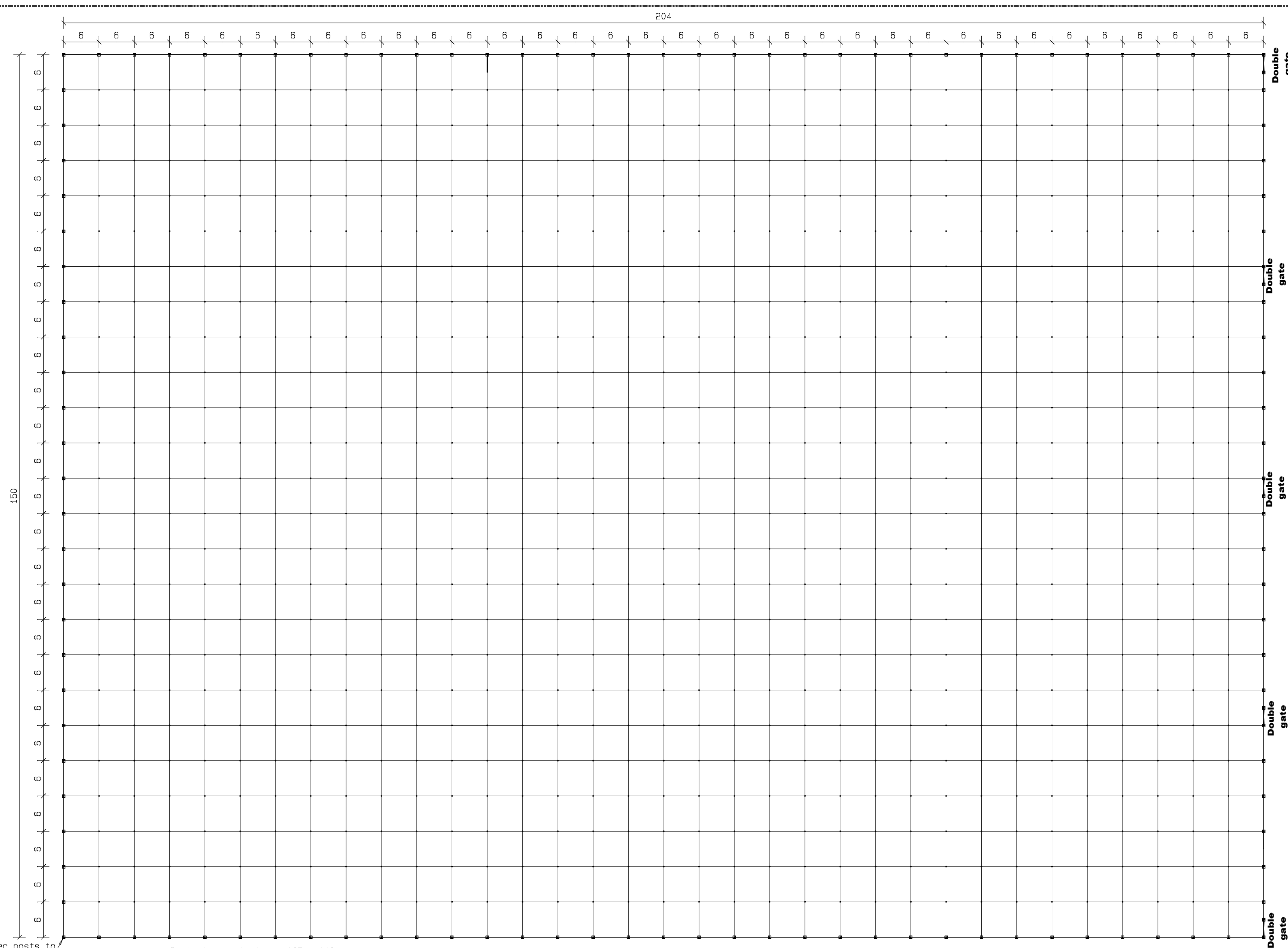
.....
Signature

.....
Date

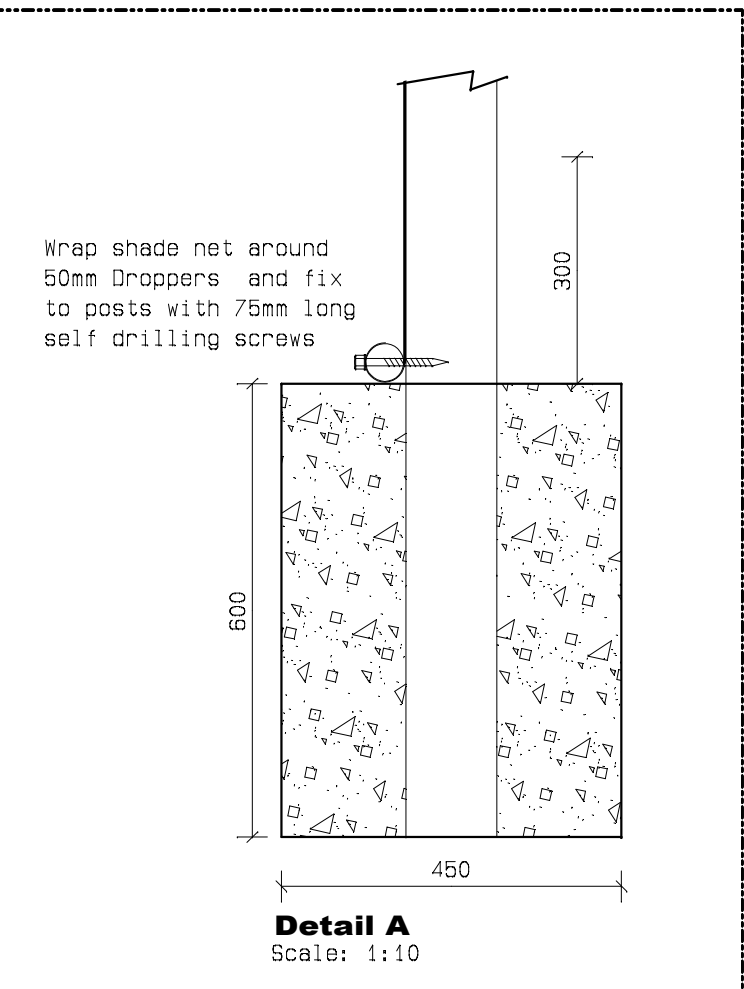
.....
Designation

.....
Name of bidder

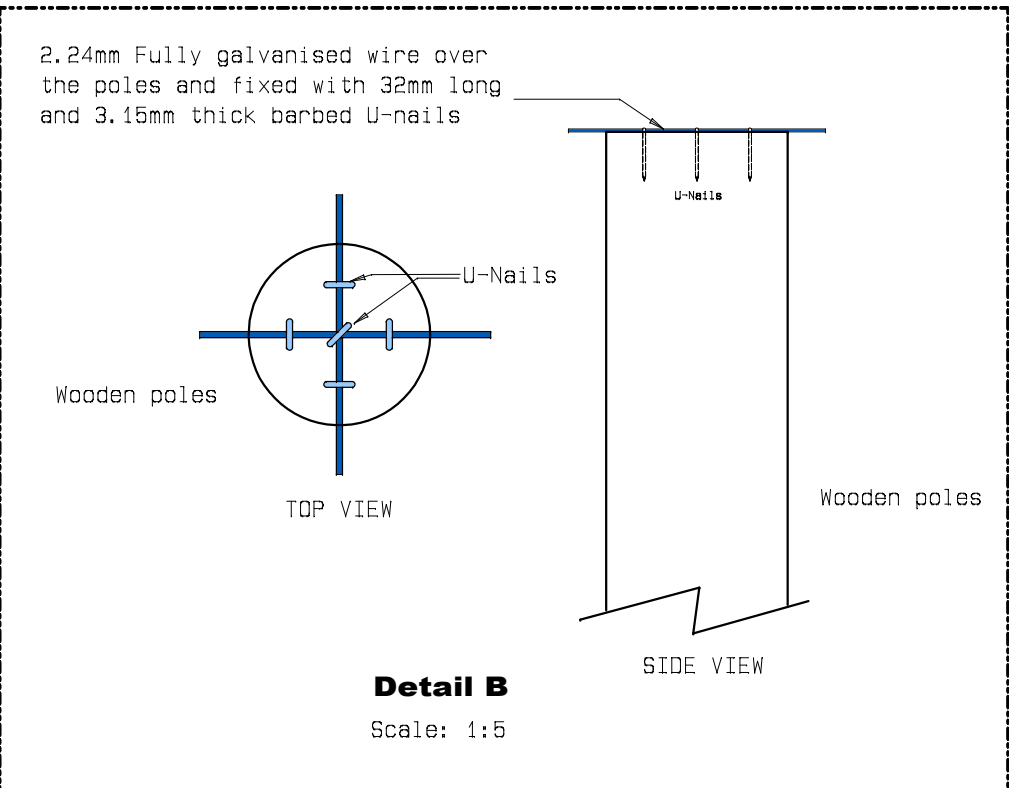
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To be initialised by bidder		<i>Initial here</i>



Scale: 1:500



Detail A
Scale: 1:10



Detail B
Scale: 1:5

CONTACT PERSONS	
J.S. Swanepoel Programme Manager: Environmental Sustainability Casidra SOC Ltd Cell: 084 900 9992	
A.J. Otto Senior Project Manager: Technical Casidra SOC Ltd Cell: 093 410 7738	
DESCRIPTION AND INFORMATION	
FARM PLAN LAYOUT	
DETAILS	
 CASIDRA Post Box 660 Louw Street Pearl South 7624 Tel: (021) 863-5000 Fax: (021) 863-1055	
CONSTRUCTION OF A SHADENET STRUCTURE ON THE FARM No. 10/129 IN STANFORD DISTRICT	
MUNICIPAL DRAWING	
Client: Dept. of Agriculture	Drawn by: J S Swanepoel Pr. Senior Arch T. Reg no.:S T 1037
Project: Cold Mountain Coop	Checked by: KAIZEN TEAM
Municipality: Overstrand Municipality	Scales: 1:10 000, 1:500, 1:100 , 1:10 & 1:5
Region: Western Cape	Total coverage: Farm size : 394,82 Hectare Shade net size : 3,06 Hectare
Client Signature:	Draughtsman Signature:
Date: August 2024	Drawing ref: cold mountain shadenet.dra





STANFORD: COLD MOUNTAIN COOP: CONSTRUCTION OF A SHADE NET STRUCTURE AND WATER EFFLUENT SYSTEM

JULY 2026

BASELINE RISK ASSESMENT REPORT

A baseline risk assessment focuses on the identification of risk that applies to the whole project. The purpose of conducting a baseline risk assessment is to establish a risk profile.

This is an initial risk assessment that focuses on a broad overview in order to determine the risk profile to be used in subsequent risk assessments. It is performed to obtain a benchmark of the types and size of potential hazards, which could have a significant impact on the whole project and all stakeholders.

The stakeholders need to identify the major and significant risks, then prioritise these risks and evaluate the effectiveness of current systems for risk control.

The risks for the above project which have been identified have been highlighted under the following categories: -

1. Scope of work (what is being built?)

This project consists of the following elements:

- The construction of a shade net structure

2. Location of site and elements specific to the location (municipal by-laws, weather factors, geographical factors)

Stanford normally receives about 330mm of rain per year and because it receives most of its rainfall during winter. It receives the lowest rainfall (28mm) in January and the highest (47mm) in June. The monthly distribution of average daily maximum temperatures shows that the average midday temperatures for Stanford range from 14°C in July to 28°C in December.

3. Geo- technical risks (conditions of the soil, raise any concerns that may hinder the project progress)

The site consists of sandy soil conditions, during high rainfalls, the soil can be waterlogged.

For office use only	Version no: 2	Date: 20 October 2014
To be signed upon appointment of winning bidder to form the agreement between the parties		
Signature for Casidra		Signature for Contractor

4. Environmental risks (This is the actual or potential threat of adverse effects on living organisms and environment by effluents, emissions, wastes, resource depletion, etc involved in the construction phase)

Due to the site being in an environmental area there is always the risk for soil, groundwater and surface water pollution and contamination when using mechanical plant, fuel and pesticides. It will also not be allowed to dispose of any kind of waste by burying it on site.

5. Risk assessments based on scope of work (Is this a high rise building in a built-up area? Is it working in a flood plain and/or river with eroded soil conditions?)

Due to the nature of the works, there is risk of maintaining structural stability during excavations. Dangers presented are the collapse of excavations, falling or dislodging material and falling into excavations.

The erection of steel framework presents its own dangers on both the erection of heavy steel sections and installation of roof plastics, especially at height. Care must be taken during the erection process with mechanical equipment working in close proximity to site labour force.

Working at height poses risks of falling, material/tools dropping down damaging infrastructure and/or personnel. People are struck by material falling from loads being lifted and material that rolls or is kicked off work platforms; others are struck or buried by falling materials. Structures under construction may also collapse, eg steel frames that have not been adequately braced, or formwork that is prematurely loaded.

6. Equipment Risks.

The equipment risks associated with this project is as follows:-

It is envisaged that this will be both a mechanised and labour job. There will be mechanised earth moving equipment in close proximity to people, infrastructure, and surrounding environment.

7. Material Risks.

The following could pose risks associated with the project:-

- Flammable materials such as diesel/petrol in a highly flammable environment.
- Inhalation of poison or being in contact with skin
- Care must be taken not to dispose of any material by burning

8. Ergonomic Risks (Ergonomic hazards refer to workplace conditions that pose the risk of injury to the musculoskeletal system of the worker).

Cold conditions. Dangers associated with pneumonia. During winter season.

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Manual handling

Lifting heavy and awkward loads causes back and other injuries. Some injuries can result from a single lift, but more commonly, long-term injury develops as a result of repeated minor injury due to repetitive lifting.

Noise and vibration

High levels of noise can cause hearing loss and repeated use of vibrating tools can cause hand-arm vibration syndrome (damage to nerves and blood vessels – most commonly in the hands and fingers).]

Chemicals

Exposure to materials such as cement and solvents can cause skin problems such as dermatitis.

9. Controls specific to client requirements (two day induction, pink overalls, entrance to existing premises, etc).

N/A

RISK OVERVIEW CHART FOR PROJECT:

RISK CATEGORY	RISK FACTOR	ASSOCIATED RISK	RISK PROBABILITY FACTOR (1-5) 1 being low 5 being very high
LOCATION	Cool temperatures	Pneumonia	2
GEOGRAPHICAL	Very loose sandy soil	Windstorms and risk of collapse of ground when excavating or open excavations	3
ENVIRONMENTAL	Dust pollution	Dust will affect both neighboring & current farmers crops	3
	Soil contamination	Risk of pollution to ground by contaminants	3
	High winds	Risk of damage to construction materials and risk of being blown	4

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		off structure	
SCOPE OF WORK	Structural stability	Risk that people be killed or seriously injured by collapses and falling materials while working in excavations	3
	Working at Heights	Risk of falling material and/or personnel	5
	Site enclosure	Risks to public if not managed and implemented	4
EQUIPMENT	Mechanised plant working with labour	Risk of injury to labour force due to close proximity	5
MATERIAL	Flammable material	Dangerous to work with and to store	3
ERGONOMIC	Manual handling	Lifting of heavy equipment	4
	Noise/Vibration	High noise levels	4
	Chemicals	Exposure to chemicals	4
	Heat	Heat exhaustion	4
CLIENT REQUIREMENTS	Working times	No work is to be done after 17h00 at night	3

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Please find below risk assessment template which can be used by the contractor to manage the above identified risks.

Risk assessment							
Title:							
Company name:			Date assessment was carried out:				
Assessment carried out by:			Date of next review:				
Risk assessment Activity or area	What are the hazards?	Who might be harmed and how?	What are you already doing?	What further action do you need to take?	Who needs to carry out the action?	When is the action needed by?	Done

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STANFORD: COLD MOUNTAIN COOP: CONSTRUCTION OF A SHADE NET STRUCTURE AND WATER EFFLUENT SYSTEM.

JULY 2026

OCCUPATIONAL HEALTH & SAFETY SPECIFICATION

In terms of the Construction Regulations 2014 Regulation 5, a baseline risk assessment for the intended works is required to be done by the Client for each specific construction site.

This risk assessment will inform the site-specific Occupational Health and Safety specifications that must be supplied to the designer, who will supply any design specifications to be added and then supplied to the prospective Contractor (Bidder) as part of the tender documents. This specification must be translated into actions and preventative risk management measures by the Contractor that will form part the Occupational Health and Safety Plan of the Contractor.

This specification forms an integral part of the contract, and the Contractor is required to use it at pre-tender phase to make sufficient provision for related costs for risk management and after award of tender for the purpose of drawing up its project-specific construction phase health and safety plan.

It is the responsibility of the Contractor in the bidding process to:

- ensure that he include adequate provision for the cost for health and safety measures in his bid and
- Provide proof and include in his cost the necessary competencies and resources to perform the work safely.

The risks for the above project which have been identified, evaluated and resulted in the following specifications that are highlighted under the following categories: -

This specification does not replace the requirement of the Contractor to comply to all relevant legislation and the regulations of the Occupational Health and Safety Act, but just highlight the specific identified and relevant risk factors that need special mention and attention by the Contractor in his bid.

1. General administrative requirements

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DESIGNATION	NAME	CONTACT NO's	ADDRESS	RESPONSIBLE PERSON
Project Client	Casidra SOC	021 863 5000	22 Louws Avenue Southern Paarl 7624	N/A
Municipality	Overstrand Municipality	028 313 8000 (tel)	Civic centre, magnolia st, Hermanus	N/A
Project Funder	Department of Agriculture	021 808 5000 (tel)	ELSENBURG – HEAD OFFICE	N/A

2. Scope of work (what is being built?)

This project consists of the following elements:

- The construction of a shade net structure

3. Location of site and elements specific to the location (municipal by-laws, weather factors, geographical factors)

What is the risk?	Cold and rain
Hazard Identification?	High temperatures together with high wind factor.
Who will be injured & mechanism of injury?	All personnel working on site. Possible injury will vary from pneumonia and or broken ankles from muddy soil.
Preventative action recommended	
Description	Category: Reduction/transfe r/control/avoidance
• Monitor weather for worsening soil conditions on daily basis. When conditions underfoot do not assist with mechanical and/or personnel, call site off until conditions improve • Ensure for shade and sufficient water onsite for high temperatures. • Ensure temperature is monitored and call site off with WGT of 40 and higher	Risk reduction/control

What is the risk?	Wind
Hazard Identification?	High winds are experienced in the area and danger of falling off temporary and/or permanent structures
Who will be injured & mechanism of injury?	All personnel working at height. Possible injury will vary from dislocation, broken bones to death by falling.
Preventative action recommended	

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Description	Category: Reduction/transfer/control/avoidance
- All temporary structures to be designed and erected to withstand high winds. All fall protection must be in place before workers can access platforms - Subcontract temporary platform erection to a specialist and they then bear all responsibility of erected temporary platforms - All people working at heights must have a harness. - Install wind meter on site with siren warning for wind speeds above 40km/h. Work at heights will stop until wind subsides	- Risk reduction/mitigation - Risk transfer - Risk control - Risk avoidance

4. Geo- technical risks (conditions of the soil, raise any concerns that may hinder the project progress)

What is the risk?	Soil conditions
Hazard Identification?	Sandy soil conditions and soggy when wet
Who will be injured & mechanism of injury?	Infrastructure damage, damage to earthmoving equipment and personnel injury will vary from dislocation, broken bones to death
Preventative action recommended	
Description	Category: Reduction/transfer/control/avoidance
This is specialized work that requires competent human resources that are adequately skilled in working with locating unknown services and dealing with them when located. Heavy and dangerous machinery in loose sandy soil conditions when also require skill set.	Risk control

5. Environmental risks (This is the actual or potential threat of adverse effects on living organisms and environment by effluents, emissions, wastes, resource depletion, etc involved in the construction phase)

What is the risk?	Soil contamination
Hazard Identification?	Risk of pollution to ground and river by its contaminants
Who will be injured & mechanism of injury?	Environment and this invariably falls over to communities, which then in affect the members of the public
Preventative action recommended	
Description	Category:

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	Reduction/transfer/control/avoidance
Maintenance and service areas should be demarcated during site establishment and all maintenance and service activities contained so as to avoid any contamination of soil and / or water. All vehicles, equipment, fuel and petroleum services and tanks should be maintained in a good condition that prevents leakage and possible contamination of soil or water supplies. Refueling areas should be bunded and lined to prevent spilled fuels and oils from contaminating the ground or water. It is suggested that as a minimum, sandbags should be placed surrounding the bulk fuel supply tank. The floor of the area is to be lined with plastic and a layer of sand of approximately 50mm is placed on top of the plastic. Automatic shut-off nozzles are recommended on all dispensing units. The park and service area should be treated with a suitable hydrocarbon absorption or remediation product. Absorbent spill mop-up products should be on hand. All servicing should be done with a drip tray present to prevent accidental spillage of oils and fuels. A suitable leak proof container for the storage of oiled equipment (filters, drip tray contents and oil changes, etc.) should be established. All spills to be immediately contained, reported to the Project Manager, and dealt with.	Risk control/reduction

What is the risk?	Snakes
Hazard Identification?	Being bitten by snakes
Who will be injured & mechanism of injury?	Personnel working on site
Preventative action recommended	
Description	Category: Reduction/transfer/control/avoidance
As the work entails working in dense brush and biomass areas, the risk of disturbing a snake is very high. Make sure that all personnel are made aware of the increased risk of the presence of snakes. Wear proper protective clothing to protect against snake bites. An increased awareness and alertness is the best protection, the snake will not be looking for you, so watch for it. If a snake is seen or reported on site, note the area of the snake and work in this area stops until the hazard is removed. DO NOT approach, attack or otherwise provoke the	Risk reduction/control/avoidance

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snake as 95% of those bitten have done this. REMEMBER - IF PROVOKED IT WILL STRIKE.

If bitten, the following procedures should apply:

- 1.Immediately apply a broad firm bandage around the limb and on the bitten area. It should be as tight as one would bind a sprained ankle. As much of the limb should be bandaged as possible. Bind from below upwards. Crepe bandages are ideal, but any flexible material can be used, eg tear up clothing or old towels into strips. Panty hose is satisfactory.
- 2.Keep the limb and the victim as still as possible. Splint the limb.
- 3.Bring transport to the victim if possible.
- 4.Leave the bandage and splint on until medical care is reached.

Don't cut or excise the bitten area.

Don't apply an arterial tourniquet.

Don't wash the bitten area. The snake involved may be identified by the detection of venom on the skin.

What is the risk?	Bees
Hazard Identification?	Being stung by bees
Who will be injured & mechanism of injury?	Personnel working on site
Preventative action recommended	
Description	Category: Reduction/transfe r/control/avoidan ce
Upon finding a bee hive/nest, do not try to get rid of the nest or hive yourself. Each type of insect or situation will likely need different removal methods. It is best to call pest control professionals for this service. Upon being stung, most people experience local effects like pain, swelling, itching, and redness around the sting site. In rare cases, a severe allergic reaction can occur. This situation is serious and can cause "anaphylaxis" or anaphylactic shock. Symptoms of anaphylaxis can appear immediately (within minutes) or up to 30 minutes later. Symptoms to watch for include: • hives, itching and swelling in areas other than the sting site,	Risk avoidance/control/r eduction/transfer

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- swollen eyes and eyelids,
- wheezing,
- tightness in the chest and difficulty breathing,
- hoarse voice or swelling of the tongue,
- dizziness or sharp drop in blood pressure,
- shock,
- unconsciousness or cardiac arrest.

Although most deaths result from severe allergic reactions, some are caused by direct toxicity of the insect venom. Of those who die from a severe allergic reaction to a sting, half die within 30 minutes, and three-quarters within 45 minutes. If you see any signs of reaction, or even if you are not sure, call or have a co-worker call emergency medical services right away. Also, get medical help if the sting is near the eyes, nose or throat. People who have been stung multiple times (such as when fleeing from a swarm or nest) can sometimes suffer serious health effects. While rare, death may occur.

Employers should be notified if a worker, especially one who works outdoors, has allergies to insect stings. Co-workers should be trained in emergency first aid, be aware of the signs of a severe reaction, and know how to use the bee sting kit (self-injectable epinephrine). Always carry a cellular phone in case you need emergency medical help.

The best way to prevent stings is to avoid the insects. Leave the area, if possible. If there is a travelling swarm, they will likely leave within a few days.

Note that insect repellent ("bug spray") does not affect these stinging insects. Avoidance and awareness are the keys to not being stung.

Before working at a site:

- Take a look around. Check to see if there are any visible signs of activity or a hive or nest. If you see a number of insects flying around, check to see if they are entering/exiting from the same hole or place. If so, it is likely a nest or a source of food.
- Wear long sleeve shirts, and long pants. If you cannot avoid working near bees or wasps, wear a bee-keepers style hat with netting to cover your head, neck and shoulders. Tape your pant legs to your boots/socks, and your sleeves to your gloves. You may also wish to wear an extra layer of clothing since wasp stings are long enough to reach through one layer of clothing.
- Power tools such as lawnmowers, weed eaters and chainsaws will aggravate the insects. When using these tools, be aware that the tools may provoke the insects or in some cases, cause the insects to swarm.

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If you find you are working near stinging insects, here are some tips. DO NOT	• Most bees and wasps will not sting unless they are startled or attacked. Do not swat at them or make fast movements. The best option is to let the insects fly away on their own. If you must, walk away slowly, or gently "blow" them away. The only exception is if you have disturbed a nest and hear "wild" buzzing. Protect your face with your hands and run from the area immediately. • Wear light-colored clothes such as khakis, beige, or blue. Avoid brightly coloured, patterned, or black clothing. • Tie back long hair to avoid bees or wasps from getting entangled in your hair. • Be careful when shaking out clothing or towels as the insects could be inside the folds. • If you find a bee or wasp in your car, take a thick cloth and cover the insect before it gets frightened. Carefully, let the insect back outside through an open window. • Do not wear perfumes, colognes, scented soaps, or powders as they contain fragrances that are attractive. • Do not go barefoot or wear sandals, especially in areas where there is clover or other flowering plants that attract bees.	
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6. Risk assessments based on scope of work (Is this a high rise building in a built-up area? Is it working in a flood plain and/or river with eroded soil conditions?)

What is the risk?	Structural stability
Hazard Identification?	Unstable working platforms could cause risk of collapse on trenches. Risk of excavations collapsing and burying or injuring people working in them; material falling from the sides into any excavation; and people or plant falling into excavations
Who will be injured & mechanism of injury?	Risk that people be killed or seriously injured by collapses and falling materials while working in excavations
Preventative action recommended	
Description	Category: Reduction/transfer/control/avoidance

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COLLAPSE OF EXCAVATIONS

Temporary support – Before digging any trench pit, tunnel, or other excavations, decide what temporary support will be required and plan the precautions to be taken.

Make sure the equipment and precautions needed (trench sheets, props, baulks etc) are available on site **before** work starts.

Battering the excavation sides – Battering the excavation sides to a safe angle of repose may also make the excavation safer.

In granular soils, the angle of slope should be less than the natural angle of repose of the material being excavated. In wet ground a considerably flatter slope will be required

FALLING OR DISLODGING MATERIAL

Loose materials – may fall from spoil heaps into the excavation. Edge protection should include toeboards or other means, such as projecting trench sheets or box sides to protect against falling materials. Head protection should be worn.

Undermining other structures – Check that excavations do not undermine scaffold footings, buried services or the foundations of nearby buildings or walls. Decide if extra support for the structure is needed before you start. Surveys of the foundations and the advice of a structural engineer may be required.

Effect of plant and vehicles – Do not park plant and vehicles close to the sides of excavations. The extra loadings can make the sides of excavations more likely to collapse.

FALLING INTO EXCAVATIONS

Prevent people from falling – Edges of excavations should be protected with substantial barriers where people are liable to fall into them.

To achieve this, use:

- Guard rails and toe boards inserted into the ground immediately next to the supported excavation side; or
- fabricated guard rail assemblies that connect to the sides of the trench box

Risk reduction/avoidance

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the support system itself, eg using trench box extensions or trench sheets longer than the trench depth. INSPECTION A competent person who fully understands the dangers and necessary precautions should inspect the excavation at the start of each shift. Excavations should also be inspected after any event that may have affected their strength or stability, or after a fall of rock or earth. A record of the inspections will be required and any faults that are found should be corrected immediately.	
---	--

Who will be injured & mechanism of injury?	Public will be injured and/or killed	
Preventative action recommended		
Description		Category: Reduction/transfer/control/avoidance
Construction work should be fenced off and suitably signed. This will protect people (especially children) from site dangers and the site from vandalism and theft. Site access should be monitored and controlled and all access routes should be clearly demarcated. A constant regard must be taken to safety and dangerous areas and should be adequately cordoned off to prevent accidental injury. Temporary fencing/hoarding with appropriate warning signs must be in place. Make sure there is a system to ensure necessary precautions are kept in place during working hours and that night-time and weekend protection is put in place as required before the site closes		

What is the risk?	Working at heights
Hazard Identification?	Risks of falling material, tools & personnel
Who will be injured & mechanism of injury?	People/Infrastructure being struck by falling material & tools causing injury or even death. The same for personnel falling from heights.
Preventative action recommended	
Description	Category:

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	Reduction/transfe r/control/avoidan ce
Avoid working at heights where you can. Use work equipment to prevent falls where work at height cannot be avoided. Where the risk of a fall cannot be eliminated, use work equipment to minimize the distance and consequences of a fall should one occur. Always consider measures that protect all those at risk, ie ■ collective protection measures (scaffolds, nets, soft landing systems) before measures that only protect the individual, ie personal protection measures (a harness). Ensure work is carried out only when weather conditions do not jeopardise the health and safety of the workers. Suitable precautions must be taken to prevent falls. General access scaffolds provide a means of working at height while preventing falls and should be provided whenever practicable. Scaffolds should be designed, erected, altered and dismantled only by competent people and the work should always be carried out under the direction of a competent supervisor. Ensure the scaffold is based on a firm, level foundation. The ground or foundation should be capable of supporting the weight of the scaffold and any loads likely to be placed on it. Ensure it is braced and tied into a permanent structure or otherwise stabilised.	Risk reduction/avoidance/control

7. Equipment Risks

What is the risk?	Heavy Mechanized equipment
Hazard Identification?	Close proximity to labour force on ground working together in combined operations gives risk of collision
Who will be injured & mechanism of injury?	Infrastructure damage, damage to plant equipment/constructed items and personnel injury will vary from dislocation, broken bones to death
Preventative action recommended	
Description	Category: Reduction/transfe r/control/avoidan ce
This is specialized work that requires competent human resources that are adequately skilled in working with heavy and dangerous equipment. Guidelines and practical advice to all work operations to ensure effective and proper management of working with mechanical plant must be in place. Toolbox talks MUST make all personnel aware of the dangers. Equipment must be checked for proper working controls such as	Risk Control

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reverse warning sirens, etc.	
Make sure equipment is in good working order each and every day and before every single operation. All workers should wear bright protective clothing and signs that are highly visible.	

8. Material Risks.

What is the risk?	Storage of materials
Hazard Identification?	Tripping/ Flammable materials igniting
Who will be injured & mechanism of injury?	Material/Infrastructure & personell
Preventative action recommended	
Description	Category: Reduction/transfe r/control/avoidan ce
Designate storage areas for plant, materials, waste, flammable substances (eg foam plastics, flammable liquids and gases such as propane) and hazardous substances (eg pesticides and timber treatment chemicals). Flammable materials will usually need to be stored away from other materials and protected from accidental ignition. Do not store materials where they obstruct access routes or where they could interfere with emergency escape, eg do not store flammable materials under staircases or near to doors or fire exits. If materials are stored at height (eg on top of a container or on a scaffold gantry), make sure necessary guard rails are in place if people could fall when stacking or collecting materials or equipment. Keep all storage areas tidy, whether in the main compound or on the site itself. Try to plan deliveries to keep the amount of materials on site to a minimum. Waste materials also need storing safely before their removal from the site and make sure that you allow sufficient space for waste skips and bins.	Risk Control

What is the risk?	Flammable material
Hazard Identification?	Dangerous to work with and store for prevention of fires
Who will be injured & mechanism of injury?	Infrastructure damage and injury or death to all persons
Preventative action recommended	
Description	Category: Reduction/transfe r/control/avoidan

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	ce
Fuels and flammable materials should be stored in suitably equipped storage areas demarcated within the Contractor's camp. These areas must comply with general fire safety requirements. No fuel may be stored within drainage lines or areas. Impervious lining materials should be used in these storage areas to prevent contamination of the ground in the event of spillages or leaks, and automatic shut-off nozzles should be used on all dispensing units. Quantities of fuels and flammable/hazardous materials stored on site should be appropriate to the requirement for these substances on site. Fuels and oils should be safely located out of harm's way from the elements. No fuel / oil containers may be left unattended within drainage areas. All open containers containing used oil, etc., should be kept under roof or have adequate water tight lids. All spills to be immediately contained, reported to the Project Manager and dealt with. Adequate fire fighting equipment should be available on site, in good working order, and according to the fire hazard present during construction activities of at least one type ABC all-purpose 12.5kg extinguisher and a water cart with a minimum capacity of 1000 litres for the duration of the contract. Any welding, gas cutting or cutting of metal should only be permitted inside the demarcated working areas for this purpose and these areas should be approved by the Project Manager.	Risk control

What is the risk?	Fire
Hazard Identification?	Flammable materials are always evident on construction site and danger of fire is always constant
Who will be injured & mechanism of injury?	Material/Infrastructure & personnel
Preventative action recommended	
Description	Category: Reduction/transfer/control/avoidance
Fire can be a particular hazard in refurbishment/new work when there is a lot of dry timber and at the later stages of building jobs where flammable materials such as adhesives, insulating materials and soft furnishings are present.	Risk reduction/transfer/control/avoidance

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Many fires can be avoided by careful planning and control of work activities.
Good housekeeping and site tidiness are important not only to prevent fire, but also to ensure that emergency routes do not become obstructed. Making site rules can help.

9. Ergonomic Risks (Ergonomic hazards refer to workplace conditions that pose the risk of injury to the musculoskeletal system of the worker).

What is the risk?	Health
Hazard Identification?	On-site injuries due to physical construction work taking place
Who will be injured & mechanism of injury?	Personnel suffering ill-health
Preventative action recommended	
Description	Category: Reduction/transfer/control/avoidance
Construction workers are likely to suffer ill health as a result of their work in the industry after exposure to both harsh working conditions and hazardous substances. Assess both immediate risks, eg being overcome by fumes in a confined space, and longer-term health risks. Materials like cement can cause dermatitis. Sensitizing agents like isocyanates can make people using them have sudden reactions, even though they may have used the substance many times before. If harm from the substance is possible, the first step to take is to try and avoid it completely by not using it at all. try and control exposure. Some of the ways this could be done include: Keep containers closed except when transferring; using cutting and grinding tools and blasting equipment fitted with exhaust ventilation or water suppression to control dust; ensuring good ventilation in the working area by opening doors, windows and skylights. The need to provide personal protective equipment (PPE) is also a must and will contribute in minimizing exposure risks. Respirators can protect against dusts, vapours and gases. Ear plugs for noise, etc. Where protective clothing is provided (such as overalls and gloves), it must be of the right type to protect the wearer against the particular hazard they are going to encounter. All manufacturers offer advice on the most suitable gloves for specific types of hazard. When using gloves to help prevent dermatitis, users must avoid getting contaminants inside the gloves when putting them on and taking them off. It is also essential to	Risk reduction/transfer/control/avoidance

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provide washing facilities, with a supply of hot and cold (or warm) running water, soap and a means of drying the hands, to help prevent dermatitis.

First aid can save lives, reduce pain and help an injured person make a quicker recovery. Provide adequate and appropriate equipment, facilities and personnel to enable first aid to be given to your employees if they are injured or become ill at work. The minimum provision for all sites is:

- a first aid box with enough equipment to cope with the number of workers on site;
- an appointed person to take charge of first-aid arrangements;
- information telling workers the name of the appointed person or first aider and where to find them.

10. Controls specific to client requirements (two day induction, pink overalls, entrance to existing premises, etc).

No work after 17h00 and only on weekdays

11. Personal Protective Equipment (PPE) and Clothing

The principal contractor and other contractors shall ensure that all workers are issued with protective clothing free of charge and make use of the equipment and protection provided such as to wear hard hats, protective footwear, overalls, etc. The Principal Contractor and all Contractors shall make provision and keep adequate quantities of SABS approved PPE on site at all times. The Principal Contractor shall clearly outline procedures to follow when PPE or Clothing is:

- ☐ Lost or stolen;
- ☐ Worn out or damaged

The above procedure applies to Contractors and their Sub-contractors, as they are all employers in their own right, as per section 37 (2) of the Act.

(The general PPE requirements are attached under Annexure A to this document as well as an additional list of PPE for biomass removal is also attached as Addendum B to this specification).

12. Occupational Health and Safety signage

The Contractor shall provide and maintain adequate on-site OHS signage. Including but not limited to: 'no unauthorised entry', 'report to site office', 'beware of overhead work', 'hard hats, overalls, safety boots, respirators, etc'. Signage shall be posted up at all entrances to site as well as on site in strategic locations e.g. access routes, stairways, entrances to structures and buildings, scaffolding, and other potential risk areas/operations

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13. Fences and access

Construction sites in built-up areas or adjacent to public roads must be suitable and sufficiently fenced off and provided with controlled access points to prevent the entry of unauthorised persons.

14. Admittance to site

A notice must be posted up at every entrance to a building site prohibiting the entry of unauthorised persons to such workplace and no person shall enter such a site without the permission of the employer or user as the case may be. In no circumstances may the wording "Enter at Own Risk" be used

15. Speed Restrictions, construction vehicles and Protection

The Principal Contractor shall ensure that all persons in its employment, all Contractors, and all those that are visiting the site are aware and comply with the site speed restriction(s) and route identification for construction vehicles only. Separate vehicle and pedestrian access routes shall be provided, maintained, controlled, and enforced.

16. Hazardous Chemical Substances (HCS)

The Principal Contractor and other relevant Contractors shall provide the necessary training and information regarding the use, transport, and storage of HCS. The Principal Contractor shall ensure that the use, transport, and storage of HCS is carried out as prescribed by the HCS Regulations. The Contractor shall ensure that all hazardous chemicals on site have a Material Safety Data Sheet (MSDS) on site and the users are made aware of the hazards and precautions that need to be taken when using the chemicals. The First Aiders must be made aware of the MSDS and how to treat HCS incidents appropriately.

The below acts are relevant regarding the transporting, storage and application of these agricultural chemicals:-

- Fertilizers, farm feeds, agricultural remedies and stock remedies act, 1947 (Act no. 36 of 1947)
- Hazardous Substances Amendment Act, No. 53 of 1992
- The South African National Pesticide registration authority registrar: Act no. 36 of 1947

17. Public and Site Visitor Health and Safety

The Principal Contractor shall ensure that every person working on or visiting the site, as well

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as the public in general, shall be made aware of the dangers likely to arise from site activities, including the precautions to be taken to avoid or minimise those dangers. Appropriate health and safety notices and signs shall be posted up, but shall not be the only measure taken.

The Principal Contractor has a duty in terms of the OHS Act 85/1993 to do all that is reasonably practicable to prevent members of the public and site visitors from being affected by the construction activities.

Site visitors must be briefed on the hazards and risks they may be exposed to and what measures are in place or should be taken to control these hazards and risks. A record of these 'inductions' must be kept on site in accordance with the Construction Regulations.

18. Occupational Hygiene

Exposure of workers to occupational health hazards and risks is very common in any work environment, especially in construction. Occupational exposure is a major problem and all contractors must ensure that proper health and hygiene measures are put in place to prevent exposure to these hazards. Prevent inhalation, ingestion, absorption, and noise induction.

Contractor must identify site-specific health risks for construction. e.g. cement dust, wet cement, wood-dust, noise, etc.

19. Welfare Facilities

The Principal Contractor must supply the following clean, hygienic and maintained facilities:

- Shower facilities, after consultation with employees or employee representative (1 shower for every 15 persons).
- Sufficient toilets (1 toilet per 30 workers) and hand washing facilities. Separate toilets needed for both males and females. Toilet paper must be provided.
- Changing facilities for each sex
- Sheltered eating areas
- Waste bins must be strategically placed and emptied regularly.

Workers who are far removed from their homes, reasonable and suitable living accommodation for the workers must be provided and adequate transportation between sites and homes where suitable living accommodation is not available.

20. Alcohol and other Drugs

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No alcohol and other drugs will be allowed on site. No person may be under the influence of alcohol or any other drugs while on the construction site. Any person on prescription drugs must inform his/her superior, who shall in turn report this to the Principal Contractor forthwith.

Any person suffering from any illness/condition that may have a negative effect on his/her safety performance must report this to his/her superior, who shall in turn report this to the Principal Contractor forthwith. Any person suspected of being under the influence of alcohol

or other drugs must be sent home immediately, to report back the next day for a preliminary inquiry. A full disciplinary procedure must be followed by the Contractor concerned and a copy of the disciplinary action must be forwarded to the Principal Contractor for his records.

21. Other compliance requirements

Notwithstanding the Occupational Health & Safety Act, the contractor must also confirm to the following acts:

- Basic conditions of employment act 75 of 1997
- National Road Traffic Act 93 of 1996
- National Environmental Management: Biodiversity Act, no 10 of 2004
- National Veld and Forest Fire Act, no 101 of 1998.
- Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Amendment act

22. Management control measures and review

23. Risk assessment of the site must be reviewed at least every 30 days. Based on the effectiveness of the existing measures, the safety plan must be adjusted to meet the new or existing identified deficiencies.

24. Electrical Safety

All persons who carry out or arrange for work of any description for Casidra in connection with **electrical apparatus** shall make themselves acquainted with the Occupational Health and Safety Act (Act 85 1993) with particular reference to the Electrical Machinery Regulations, Regulations 1 to 23 inclusive.

The works performed under this contract shall comply in every respect with the latest relevant rules and regulations including following:

- Occupational Safety and Health Act (OSH Act)
- The South African Bureau of Standards Code of Practice SANS 10142
- Normal requirements laid down by Eskom.
- The latest requirements of the IEC and the British Standard Institute, where no SANS codes of practice exist.
- All rules and regulations issued by local and other authorities having jurisdiction over the contract.

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The contractor must, in addition to compliance with the Electrical Installation Regulations, 2009, and the Electrical Machinery Regulations, 1988, promulgated by Government Notice No. R. 1593 of 12 August 1988, ensure that —

- (a) before construction commences and during the progress thereof, adequate steps are taken to ascertain the presence of and guard against danger to workers from any electrical cable or apparatus which is under, over or on the site;
- (b) all parts of electrical installations and machinery are of adequate strength to withstand the working conditions on construction sites;
- (c) the control of all temporary electrical installations on the construction site is designated to a competent person who has been appointed in writing for that purpose;
- (d) all temporary electrical installations used by the contractor are inspected at least once a week by a competent person and that inspection findings are recorded in a register kept on the construction site; and
- (e) all electrical machinery is inspected by the authorized machine operator or user on a daily basis using a relevant checklist prior to use and the inspection findings are recorded in a register kept on the construction site

NOTE:

The Electrical Installation Regulations clause 6 (2) require electrical contractors to register annually.

“(2) Any person who does electrical installation work as an electrical contractor shall register annually in the form of Annexure 3 with the chief inspector or a person appointed by the chief inspector “

In terms of the OHS Act Electrical Installation Regulations, a Certificate of Compliance (CoC) must be issued by a registered person, defined as “a person registered as an electrical tester for single phase, an installation electrician, or a master installation electrician”. Registered persons may be the owners or employees of electrical contractors. They must be currently registered with the Department of Labour (DoL), and registrations must be renewed annually, bi-annually or every three years depending on the application. No company may do electrical contracting work unless they have a permanently employed registered person as part of the company.

Department of Labour stating the certification as either ‘single phase tester’, “installation electrician” or “master installation electrician” with a unique licence number

Safety equipment

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The following equipment required for working on electrical installations and distribution systems, must be maintained in good order and repair and must be made available:-

Safety belt, overalls, hard hat, safety shoes or boots, rubber gloves, "Men Working" notice boards, locks for locking off switches, buss bar shutters in truck-type switchgear, isolators or earthing links, rubber sheet and length of rope with short circuiting earthing-chains, earthing sticks and testing/phasing sticks rated for the voltage of the equipment to be tested.

Under no circumstances shall work be carried out on electrical apparatus unless the proper safety equipment is used

With regard to overhead linesmen, no work shall be carried out unless use is made of a non-metallic ladder and the appropriate safety belt, rubber gloves, overalls, hardhat and safety shoes or boots are worn. The buddy system must also be implemented.

Earthing

Always safety test before applying earths

Risk assessment of the site must be reviewed at least every 30 days. Based on the effectiveness of the existing measures, the safety plan must be adjusted to meet the new or existing.

At completion of the electrical installation work in the tender, a test as required must be performed to ensure safe operation of the equipment and a signed original CoC be supplied to the client.

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ADDENDUM A – GENERAL MINIMUM PPE REQUIREMENTS

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	<u>Eye and Face (also Hand and Body) Protection</u> (Goggles, Face Shields, Welding Helmets etc.) used when operating the following: * 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	<u>Hearing Protectors</u> (Muffs, Plugs etc.) used when operating the following: * Jack / Kango Hammers * Explosive Powered Tools * Wood/Aluminium Working Machines e.g. saws, planers, routers
*Hand Protection	<u>Protective Gloves</u> worn by employees handling / using: * Cement / Bricks / Steel / Chemicals * Welding Equipment * Hammers & Chisels * Jack / Kango Hammers etc.
*Respiratory Protection	Suitable/efficient prescribed <u>Respirators</u> worn correctly by employees handling / using: * Dry cement * Dusty areas * Hazardous chemicals * Angle Grinders * Spray Painting etc.

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*Fall Prevention Equipment	Suitable <u>Safety Belts</u> / Fall Arrest Equipment correctly used by persons working on / in unguarded, elevated positions e.g.: * Scaffolding * Riggers * Lift shafts * Edge work * Ring beam edges etc. Other methods of fall prevention applied e.g. catch nets
*Protective Clothing	All jobs requiring protective clothing (Overalls, Rain Wear, Welding Aprons etc.) Identified and clothing worn.
*PPE Issue & Control	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)

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