

INVITATION TO BID

CBD 1

BID NUMBER	12/2026
CLOSING DATE AND TIME	FRIDAY 28 AUGUST 2026 STRICTLY @ 12:00
DESCRIPTION	ROBERTSON: LAKEY PROJECT: CONSTRUCTION OF PROCESSING FACILITIES AND UPGRADING OF ABLUTION FACILITIES
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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To be initialised by bidder		<i>Initial here</i>

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)			
Cellphone 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			

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

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.		

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

FOR OFFICE USE ONLY – TO BE COMPLETED AT BSC MEETING

PLEASE INDICATE TYPE OF WORKS		
Infrastructure/construction (includes animal husbandry, building, greenhouses, sheds and storerooms, civil and building works including stores, engineering and electrical engineering works)	☒	
Training	☐	
Catering services	☐	
Production inputs (includes feed, fertilizers, packing material, seeds and plants, transport, soil preparation)	☐	
Professional services (Engineers, consulting engineers, Veterinarians and services, Legal Practitioners, Industrial Consultants or Recruitment Agencies, Training service providers, Subject matter specialists acting as consultants, etc.)	☐	
Mechanisation (Vehicles, farming implements/equipment)	☐	
Other (Irrigation)	☐	
PROCUREMENT STRATEGY (Please indicate by choosing either YES or NO and click on the box.)	Yes	No
1. Advertising on e-tender	☒	☐
2. Advertising on CIDB	☒	☐
3. Advertising on Casidra portal	☒	☐
4. RFQ	☐	☒
5. Open tender process	☒	☐
6. Contract administration sheet completed	☒	☐
7. Procure plan sheet completed	☒	☐
For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

8. Advertise period (3 weeks) <i><u>*Note if bid document and advertisement period is less than 14 days, attach CEO approval.</u></i>	☒	☐
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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  updated lakey store - 15 x 9m april 2026 ver 4.pdf  Lakey Projects Farm Layout.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.	☒	☐
CIDB - Provide written proof for a minimum grading of 3GB	☒	☐
ELECTRICAL – Letter from department of labour for Electrical registration of sub-contractor with expiry date.	☒	☐
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	☒	☐
WARRANTY – Provide written proof for a 12-month warranty for product / goods offered after completion of work.	☒	☐

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		Initial here

REFERENCES – Provide a minimum of least three (3) different references from three (3) different companies	☒	☐
EXPERIENCE – Provide detailed list of completed projects with contact numbers regarding civil projects completed as well as monetary value	☒	☐
BILL OF QUANTITIES – Complete BOQ provided for all unit rates	☒	☐

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

PROJECT: ROBERTSON: LAKEY PROJECT: CONSTRUCTION OF PROCESSING FACILITIES AND UPGRADING OF ABLUTION FACILITIES	
GENERAL REQUIREMENTS The works, as described, the project is situated on a farm which is approximately 14 Kilometres from Robertson Town direction to Ashton. The T-Junction at Agteriedam Padstal you turn left. The project is just after Assegai Rest Klaasvoogds. 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: Clayish ground and at places very rocky conditions can be expected. Security for materials and equipment must be supplied. The Contractor must put all necessary precautions in place to work under these conditions.	
CONTRACT PERIOD	The completion period of this service is (4) Four 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 1200.00 per calendar day will be applied for late completion of works.
CIDB	For Construction works above the value of R500 000: tenderers must have a CIDB contractor grading designation GRADE 3GB 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>.
COMPULSORY SITE MEETING	The project is situated on a farm which is approximately 14 Kilometres from Robertson Town direction to Ashton GPS Coordinates (Google Earth): https://maps.app.goo.gl/QHwPd3YTCEAH5oi8A

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

	Date of compulsory site meeting is Tuesday 18 August 2026 at 11h00.
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);
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.	

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

SCOPE OF WORKS

ROBERTSON: LAKEY PROJECT: CONSTRUCTION OF PROCESSING FACILITIES AND UPGRADING OF ABLUTION FACILITIES

This project consists of the following elements:

The scope of works is for the construction of a processing facility and upgrading of ablution facility.

This project consists of the following elements:

PART A – NEW PROCESSING FACILITY

- Construction of a steel structure of 9 metres wide by 15 metres long. Roof sheets, side and gable ends cladding are including.
- The construction of a 150mm thick reinforced concrete floor.
- The construction of insulated panelling on top of the concrete floor
- All painting of a steel portal frame building. All fixing methods are not to be welded where possible, due to design being such that the steel frame can be moved to another location.
- The price must include all supply and transport of materials to and from site.

PART B – UPGRADING ABLUTION FACILITIES

GENERAL CONDITIONS

SITE ACCESS:

The movement of vehicles on the site should be confined to clearly demarcated access routes and existing roads should be used where approved by the Farmer / Land owner. Any deviation should first be approved by the Project Manager, with 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.

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 for 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 at the completion of the works.

DISCREPANCIES BETWEEN PLAN AND SPECIFICATION:

Any discrepancy between the plan and the specification must be brought to the attention of the technical Project Manager before the tenderer submits his price. This is to eliminate any confusion as to what is required for the contract because the tenderer must take note of the fact ***that no additional costs will be entertained for discrepancies between the plan and the specification after the tender price has been submitted.***

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		Initial here

SECURITY:

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

CLEARING AWAY OF RUBBISH AND MATERIALS:

All rubbish accumulated during the works (including testing and commissioning) and all superfluous materials not required for completion of the contract shall be removed from site by the Contractor on an on-going basis, and as and when directed by the Engineer or Employer.

DUST CONTROL:

The Contractor is to take appropriate measures to minimise the generation of dust as a result of construction works, to the satisfaction of the Project Manager.

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

FIRE PRECAUTIONS:

All reasonable precautions shall be taken to avoid the outbreak of fire, particularly in work involving the use of naked flames. The Contractor is to allow for full time supervision, and nominate a responsible person to ensure each artisan who is welding, or carrying out any operation that could cause a fire hazard, be equipped with a fire extinguisher. All workmen shall be made aware of the dangers involved in the careless disposal of matches, cigarettes and the like as well as the accumulation of rubbish on site. Hot work permits shall be enforced.

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 sites infrastructure or land production must be repaired or rehabilitated before completion of the project.

NOISE AND NUISANCE CONTROL:

Operations shall be conducted in such a manner that nuisance shall not be caused to the general public, adjoining residents and users of adjacent buildings. If such nuisance is being caused the Contractor shall immediately make such arrangements that will prevent a recurrence of the same and indemnify the Employer against any claims arising therefrom.

RESTRICTIONS ON WORKMEN:

Ensure that workmen confine their activities to the area in which the Contract Works are being carried out. On no account shall workmen enter and use any existing building on site or any completed building without permission. No workmen shall be allowed to use any of the new fittings such as sinks, basins, WC's, cooking equipment, electrical circuits or appliances etc. Smoking will not be allowed on site.

Any transgressions of the above may lead to permanent dismissal from site. All workmen shall be identifiable by suitable ID cards and uniform work clothing.

PLACING OF ORDERS:

The contractor shall place all orders for materials as early as possible, as he/she will be held responsible for any delay in the delivery thereof.

DIMENSIONS OF NEW WORK:

The contractor shall take all dimensions affecting new work on the site since he will be held solely responsible for all new work being of the correct sizes.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

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 Engineer, 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 Project Manager will be advised thereof and his instruction awaited

DRAWINGS:

The below Drawings to form part of the contract regarding specifications and construction detail: -

 updated lakey store - 15 x 9m april 2026 ver 4.pdf

 Lakey Projects Farm Layout.pdf

SPECIFICATION - PART A – NEW PROCESSING FACILITY

. STRUCTURAL STEEL SANS REQUIREMENTS

- All structural steelwork shall comply with SANS 1200H or 1200HA as applicable. Structural fasteners shall comply with SANS 1700.
- All weldable structural steel shall comply with SANS 1431.
- All structural steel must be grade 300WA.

Supply and install structural steel portal frame as per the drawings and to following specifications: -

- Steel Columns to be IPE 160aa
- Steel Truss to be IPE 160aa

DESIGN

The Steel Structure has been designed by Structural Engineer. If the tenderer wants to change the design, the tenderer must provide a detailed certified engineering plan and the contractor takes full responsibility for structural design work.

Please note changes under CDB3.1 Changes made by bidder.

PAINTING OF STEEL STRUCTURE

All steelwork must be wire brushed down and free from all surface rust. Allow for an approved primer coat, followed by an undercoat and two coats of dark grey, high gloss paint. All paint is to be SABS approved and details submitted to the Project Manager for approval.

The frames are to be primed before the structure is transported to site. Before any cladding has been commenced, all paint coatings must have been completed. This must be inspected by the Project Manager and approved before the final fixing of any cladding and roof sheets can commence.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

Touching up on site must be done thoroughly, especially on the site bolts. It should be done as soon as possible after erection to prevent the corrosion of fasteners and steel surfaces.

EXCAVATION AND FILLING:

Clear site where the structure is to be constructed to a distance of at least 1500mm beyond the perimeter of the structure. 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.

Cut, fill and compact the area to the required levels as shown on the drawing and dig trenches for foundations to the several lengths, widths and depths as shown on to secure a sound foundation. Reduce levels around the new structure as required, fill into foundations and under floors.

PROTECTION AGAINST TERMITES:

The ground under surface beds shall be poisoned with an approved registered soil poisoning material. Great care is to be taken to apply the solution evenly over the whole surface. It should only be applied by a pest control professional who has been trained in correct application methods. The concentration of the solution shall be in accordance with the Manufacturer's instructions.

EXCAVATIONS AT EMBANKMENTS:

Excavate into the embankment as shown on Site plan 1:200 to a distance of at least 2000mm. This operation shall be deemed to include the removal of large rocks and 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.

Allow the excavation of trenching as shown

EXCAVATIONS FOR CONCRETE BASES:

Dig holes for columns to the several lengths, widths and depths as shown on the drawing to secure a sound foundation.

NOTE: The bases are to be casted into solid ground and not into the filled areas. Extend the columns accordingly.

CONCRETE BASES TO MILD STEEL COLUMNS:

Form the bases to the mild steel stanchions with 25/19 Mpa (1:3:5 with 19mm stone) to the forms and sizes shown on the drawings and carried up to ground level, where applicable, in properly constructed temporary formwork. The 4 x 16mm diameter hook bolts are to be embedded in each of the concrete bases as the work proceeds.

CONCRETE FOOTINGS TO WALLS OF THE EMBANKMENT

Lay 25/19 Mpa concrete footings under new walls of widths and thicknesses shown and figured on drawing. The footings are to be stepped according to the slope of the grounds, with 375mm overlap at each stepping, all finished level on top ready for the walling above.

NOTE: No brickwork, stone walling or other structure shall be built on concrete footings until at least three days after placement of the concrete in the case of mass concrete footings and after seven days in the case of reinforced concrete.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

CONCRETE FLOORS & RAMPS:

Excavate, fill, level and grade as required, the areas inside the store. Lay new damp proof course (USB Poly-ethylene sheeting complying with SABS Specification 952 Type B, 375 microns thick)

Prepare for and form concrete floor and ramps of 25/19 Mpa Concrete, reinforced with mesh reinforcement as ref. 193, 150mm thick finished off with power float finish.

Floore to have a 1:100 fall to new floor drains as specified elsewhere.

CURING OF CONCRETE:

After the concrete has been placed, all exposed surfaces shall be kept continuously damp for at least 10 days by methods such as covering with approved building paper, or by means of wet canvas, wet sacks, wet sand, by continuous hosing or ponding with water.

CONCRETE TEST CUBES:

Contractor to make allowance for 2 test cubes of 150 x 150 x 150mm for each individual pour undertaken for concrete. The testing of all concrete cubes will be done by an accredited laboratory approved. The Contractor is responsible for the provision of the cube moulds and for timeous delivery of the cubes to the laboratory.

Payment will only be affected after 7-day test results are received and within tolerance.

Allow for 7-day & 28-day test.

EMBANKMENT: CEMENT BLOCK WALLS (RETAINING WALL):

Block brick walls, 190mm thick to the sizes as shown on drawing, are to be built in Stretcher Bond. The walls are to be built in 3:1 cement mortar. The 190mm Blocks must conform to the standards for concrete masonry units which is SANS1215.

Brickwork shall be built level and plumb with mortar as specified. The bricks shall be laid on a solid bed of mortar and all joints thoroughly grouted up solid throughout the whole width of each course.

NB; Cement or concrete bricks shall not be wetted.

All rough and fair cutting, cutting of splays, skewbacks, chamfers, etc. shall be properly performed. Form or leave all necessary openings for pipes etc. and make good after pipes etc. are fixed in position. The blocks must get 1,6mm thick galvanised brick force every course.

All Blocks to be filled with a cement / sand mixture as the work proceeds and bagged inside and outside.

Allow for Y12 steel rods to be placed into the concrete and to one of the holes into block brickwork as shown on the drawing. See section BB

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

110mm SUBSOIL DRAINAGE PIPE BEHIND 1000MM HIGH RETAINING WALL

- **Trench and Slope:** Excavate a trench behind the wall footing, ensuring a minimum lengthwise slope of 1% (e.g., a 10 mm drop per 1 m of pipe) to direct water towards a safe discharge point.
- **Lining.** Provide 375 Micron DPM behind wall and new filling as well below the pipe.
- **Filter Sock:** Use a perforated pipe wrapped in a geotextile filter sock if the soil is sandy or fine. Geotextile Fabric is to be Bidim A4 (or similar approved by the Project Manager)
- **Gravel Backfill:** Create a drainage blanket by filling at least 300 mm directly behind the wall with clean, washed stone (no fines) from the pipe base up to about 150 mm from the surface.
- **Filter Fabric:** Lay a non-woven geotextile against the back of the soil before pouring in the gravel. Fold the excess fabric over the top of the gravel to form a complete seal against fine dirt and clay entering the stone.
- **Surface Capping:** Top the final 150 mm of the trench with compacted native soil or clay to direct surface runoff away from the wall

ROOF COVERING - ZINCALUME:

Cover the roof with IBR Profile ZINCALUME or equal and approved, longspan roof sheets. Sheets to have a minimum yield strength is G550 (550 MPa), or G300 (300 MPa), depending on the product. Minimum coating mass is AM125 (125g/m²). The base metal thickness (BMT) is 0.48mm.

Provide infill pieces under the ridging and bird proofing material to the bottom of the roof sheets, between roof sheets and purlins, as supplied by manufactures and fit in position in accordance with their specification.

NOTE:

The Contractor is to submit a certificate, signed by the Merchant, stating that the roof covering supplied complies with the required thickness specified.

ROOF INSULATION:

Provide and install new high density, rigid, extruded polystyrene insulation boarding ("Isoboard" insulation or equal and approved) of 40mm thick and 600mm wide, with tongue & groove joints, fixed concurrent with roof covering under the steel purlins. All as per the Manufacturer's instructions.

EAVES GUTTERS (ALUMINIUM):

The eaves gutters to be Industrial OGEE: 150mm x 125mm x 0.6mm (brackets fixed at 500mm centres) fixed to 40 x 5mm thick mild steel brackets. Colour charcoal.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

RAINWATER PIPES (RECTANGULAR):

Rainwater pipes to be Rectangular Aluminium Downpipes 100 x 75 x 0,6mm rectangular fluted with Crimped bends. Colour charcoal.

WALL PANELLING: EXTERNAL & INTERNAL WALLS AS WELL CEILING

Sizes of walling and ceilings Are s per below

100mm Polystyrene panels with white Chromadek sheeting on both sides to all external walls as well as the Dryer room.

Milling room, Store and Lab walls to be 50mm.

All ceilings to be 50mm

- Factory fabricated modular panels securely fastened together shall be used in the construction of free-standing rooms and where required for internal lining of rooms of conventional construction.
- Panels for walls and ceilings shall be composite panels composed of insulation material clad on two sides with sheet metal to form a stressed metal skin securely bonded to the insulation.
- Insulation material shall be fire retardant with minimum thickness and density as set out hereunder;

MATERIAL	MIN. THICKNESS (mm)	DENSITY (kg/m ³)
100mm walls - Polystyrene	75	24
50mm walls - Polystyrene	50	15

- Panel skins shall be of galvanized sheet steel at least 0,6mm thick, surfaces prepared to match the finishing materials to be applied. The skin side to be bonded to the insulation shall be prepared and coated with epoxy or vinyl primer compatible with the adhesive and insulation to be used. The visible side of the metal skin shall be coated with baked silicone polyester or vinyl in an off-white color.
- Panels shall be protected with removable protective plastic coating during transport and erection and to be stripped at the appropriate time. Damaged panels will be rejected.
- No horizontal joints will be accepted in wall panels and no timber may be used in the construction of any of the panels.
- Paneling and framework around the door opening shall be reinforced to ensure that no warping of walls or cladding occurs.
- All wall to wall, wall to floor, roof to roof and roof to wall joints shall be extruded aluminum or PVC sections designed and shaped for the application. The extrusions shall be sealed and riveted to the panels at intervals not exceeding 500mm. All panels shall be fully factory pre-finished complete with necessary joint and spline grooves, mitred corners and step edges ready for erection on site with the jointing system.
- All joints external to the room shall be sealed with a non-hardening butyl rubber or silicone mastic sealant applied through the cartridge method. All joints internal to the room shall similarly be sealed with silicone sealant.
- Vertical joints in wall panels and horizontal joints in ceiling panels shall be covered with 38mm wide extruded aluminium "Tee" sections riveted to the panels at intervals not exceeding 500mm and sealed with silicone sealant.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

- Corner joints internal and external to the room shall be covered by 38mm x 38mm x 4mm thick extruded aluminium angle riveted to the panels at intervals not exceeding 500mm. Silicone sealant shall be applied to prevent the ingress of moisture between the angles and panels and floors.

All doors to be as sizes as shown on drawing and be manufactured to below specification: -

Core Material

- **Insulation:** Virgin-grade expanded polystyrene (EPS), typically 16 kg/m³ to 24 kg/m³ density.
- **Fire Retardant:** Standard EPS for cold storage is treated with fire-retardant additives to meet self-extinguishing safety ratings.
-

Cladding & Finish

- **Skin Material:** 0.6 mm thick Chromadek (pre-painted galvanized steel), AluZinc, or stainless steel.
- **Coating:** Food-safe, antibacterial PVC or polyester finish to withstand routine washing and prevent contamination

Dimensions & Structure

- **Thickness:** 40 mm (for light-duty or personnel doors) up to 150 mm (for freezer applications).
- **Frame:** Extruded aluminum perimeter with an internal frame to reinforce the core and provide structural rigidity.
-

Hardware & Seals

- **Gaskets:** Heavy-duty silicone or EPDM magnetic gaskets that provide a hermetic, airtight seal.
- **Hinges & Locks:** Chrome-plated or heavy-duty composite hinges and pad-lockable handles.
- **Safety:** All walk-in doors include an internal glow-in-the-dark safety release (vacuum/emergency release)

PLUMBING AND DRAINAGE

COLD WATER SUPPLY (CONNECTION):

Open up the existing water supply pipe as shown on drawing, cut and insert T piece as required for 50mm diameter water supply to the new building. Provide and fit to T piece a short length of 20mm diameter class 2 copper piping.

Provide and fit a 20mm diameter stop cock and from stop cock lay new 20mm diameter copper piping towards the new abattoir to the hot water cylinder. From there reduce pipework to 15mm diameter and connect up to new sanitary fittings inside the ablutions and to the equipment inside the processing facility.

110MM UPVC DRAINAGE PIPES:

Lay all soil and waste water drains to the lines and gradients indicated and provide cleaning eyes, inspection eyes, bends, offset bends and gullies to drains as shown on drawings. Pipes to be 110mm UPVC laid to gradient 1:60.. Pipes to conform to SANS 1601 relating to structured wall pipes and fittings of un-plasticised polyvinyl chloride (uPVC) for buried drainage and sewerage systems.

Pipes are to be laid on bed of compacted clean filling sand. The width of the trench should be as narrow as possible but at least 300mm greater than the outside diameter of the pipe.

Trenches deeper than 900mm should be stepped and suitably shuttered so as to prevent accidental injury from collapsing sidewalls. The bottom of the trench should be free from stones, projections, soft spots, be reasonably uniform and graded to fall.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

The initial backfill should be of selected granular material compacted to a depth of 100mm and covering the full width of the trench. It is good practice to backfill as the pipe laying progresses, leaving 300mm exposed on either side of joints for testing.

Allow for lines as shown on drawing. Allow for approximately 5000mm length to conservancy tank and approximately 21000mm in length to grey water system.

SUPPLY & INSTALL PLUMBING FITTINGS:

Provide & install the below plumbing items as described below: -

- Boot scrubber – motorized single station. **Quantity 1**
- Stainless steel shrouded wall mounted knee operated wash trough – two station 1200mm(L) x R/Hand waste outlet with front support legs. **Quantity 1**
- Stainless steel hose station with 20m hose, with wall mounting bracket. **Quantity 1**
- Stainless steel double bowl deep trough sink with splash back – 2000mm(L): Bowl 900mm(L) x 500mm(W) x 600mm depth. **Quantity 3**

SUPPLY & INSTALL PLUMBING POINTS:

Provide & install the below plumbing points:-

PROCESSING FACILITY

- Boot scrub single point cold water supply with angle valve and 40mm waste outlet(Grey h2o).
- Hand wash double points hot and cold supply with 2 x angle valves and 40mm waste outlet(Grey h2o).
- Centrifuge machine single point cold supply with angle valve and 40mm waste outlet(Grey h2o).
- Hose reel station single point cold supply with shut off valve.
- Washing machine single point cold supply with angle valve.
- Rinse Bay double point cold supply with angle valves and 40mm waste outlet(Grey h2o).
- Pre Soak Bay double point cold supply with angle valves and 40mm waste outlet(Grey h2o).
- Utility Cleaning Bay double cold supply with angle valves and 40mm waste outlet(Grey h2o).

SOLAR HOT WATER SYSTEMS:

Provide and install a new horizontal roof mounted, 100 Lt. solar hot water system with electrical back up, connected to the existing electrical supply and timer.

Include with each system, components that consist of a solar collector array, array support structure, stainless steel storage tank, interconnecting piping and fittings, tempering mixing valve, flush-and-fill valves, pressure relief valves, and as required by the system type, any necessary pumps, controls or heat exchangers, as well as all other accessories and equipment required for the proper operation of the solar system. Provide and fit new 15mm diameter copper piping to and from the solar system

Leave in perfect working order on completion and make sure that all pipework is watertight.

The new hot water system must be SABS approved and a 5-year guarantee must be submitted after installation.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

Provide Electrical Certificate of Competency (COC) upon completion of installation.

FLOOR DRAINS:

Supply and install new floor drains in position as shown on the drawing. The floor drains to be manufactured out of grade 304 stainless steel with removable tamper proof water seal assembly. Floor drain must have 110mm spigot outlet with 4mm wide slotted drop in grating x 3 units. Must be compatible with standard 110mm diameter vertical plumbing outlet. To be fitted with a removable silt basket such as model number "GCT 200V floor drain" or equal and approved.

Quantity: 3

FLOOR COVERINGS

Supply and lay Plascon Floortect 3000 WB or equal and approved, two-component, water-based epoxy coating to power floated floor. Plascon Floortect 3000 WB provides a tough, semi-gloss finish designed for interior use in high-hygiene environment. Colour to be used is Light grey.

Surface Preparation for Power Floated Floors

Power-floated concrete is extremely dense and smooth, preventing paint from adhering properly. The floor must be profiled to ensure a mechanical key.

- **Concrete Moisture:** Moisture content must be less than 5% (measured by Doser Hygrometer BD 4 scale).
- **Mechanical Preparation:** High-speed diamond grind or vacuum shot-blast the floor to remove the dense laitance and create a profile of CSP3 or less.
- **Cleaning:** Vacuum the floor thoroughly to remove all dust, oils, and loose particles.

Primer Application

Power-floated concrete requires a penetrating sealer to prevent the topcoat from soaking in unevenly and ensure maximum adhesion. Apply Plascon Floortect 7 SB (GW 7). Allow a minimum of 24 hours at 23°C for the primer to dry completely.

Topcoat Specification (Floortect 3000 WB)

Floortect 3000 WB is a two-component, water-borne epoxy that provides a scrubbable, semi-gloss finish. Stir both base and curing agent separately until homogenous. Mix 5 parts base to 1 part curing agent (by volume) with a power mixer. The Pot Life is 2 hours at 23°C. Only mix what you can use within this window.

Apply 2 coats of Floortect 3000 WB in Light Grey using a quality lamb wool roller or airless spray. The drying time equates to touch dry in 6 hours. Allow at least 24 hours between coats. Full cure requires 7 days, but light foot traffic is permitted after 24 hours.

IRONMONGERY/METALWORKER

HOT DIP GALVANISING TO STEELWORK:

All steelwork to be built in must be hot dip galvanised.

SECURITY GATES: (GALVANISED):

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

The grille gates to the door openings to be fitted on the wall surface outside the door openings and to be constructed out of 32 x 32 x 3mm thick mild steel square tubing framework, mitred at angles and all welded together. The internal framework is to be holed for vertical bars.

Fill in the grille framing with 20 x 20 x 3mm thick mild steel vertical square tubing spaced at not exceeding 100mm centres and welded onto the top, bottom and two (2) intermediate rails.

Provide two 32 x 3mm thick mild steel flat irons, of suitable length, holed for and welded to vertical rods into position and also to be welded to lock casing. Provide and weld to the above flat irons and intermediate rails, a short vertical bar to secure the lock and case.

Each grille to hung on purpose made bullet hinges. Allow for three hinges per gate. To the double gates, one leave must be provided with two barrel bolts, top and bottom and the other leave fitted with a barrel bolt in the middle.

Fit to each lock casing a 5-lever gate lock as per "Solid Art 325 A77" or equal and approved. Each lock to be provided with three (3) keys.

Allow for 1 single gate

WHIRLYBIRDS:

Cut through the roof sheeting to receive whirlybirds. Provide and fix to the openings new 240mm diameter whirlybirds in positions shown on the Sketch. The throat to be 240mm wide and vanes across to be approximately 325mm wide. The spindle, fixings screws and rivets that holds the assembly together must be stainless steel. Bearings to be completely corrosion free.

On completion make sure everything is watertight.

Quantity: 3

FIRE EXTINGUISHERS:

The contractor must supply all the necessary fire extinguishers complete with their brackets and properly fixed to positions as shown on drawing. All fire extinguishers must comply with SANS specification as described for each type.

Allow for 2 x 9kg DCP extinguishers.

STEEL ROLLER SHUTTER DOORS:

Construct a new framework out of strong and suitable material to hold the new roller shutter door. The framework to be bolted to the existing structure. The Contractor must allow to provide the necessary supports to the existing steel structure to ensure stability to the new framework.

The roller shutter door shall be of approved manufacture, fit flat against framework and consist out of curtain, vertical guides and overhead mechanism.

Able tamper proof

The curtain is to be formed of machine rolled interlocking slats with malleable iron end stocks riveted or spot welded onto alternative ends. The bottom end is to be fitted with heavy angle iron riveted on and the vertical edges to run-in heavy-duty channel guides which are again bolted to the new framework.

The overhead mechanism is to be enclosed in a canopy formed of sheet metal.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

Size of roller shutter:

3000 x 3000mm high

Quantity: 2

Note: The installer must ensure that all gaps around the newly installed doors are covered to prevent any birds and rodents from entering the store.

WINDOWS:

Provide anodised aluminium window of the type and sizes shown on drawing. The powder coated colour of the window will be charcoal.

Minimum thickness of aluminium framing to be 32mm. All mitres to be neat 45 degrees. Provide and fit into the openings new anodized aluminium windows with glass thickness of 4mm.

Allow for installing gauze (fly) screens in a Framed Screens (Hinged or Sliding): Aluminium frame to hold the mesh must be colour-matched to aluminium windows. Mesh option must be aluminium.

Supply and rivet to the aluminium framing, new 20mm wide x 3mm thick aluminium burglar proofing across the window.

Size of windows:

PT129 – 1200mm x 900mm high

Quantity: 4

ALUMINIUM SIDE DOOR:

Aluminium door specifications must balance structural integrity, thermal efficiency, security, and aesthetics. Standard requirements dictate durable alloys (typically 6063-T6), minimum frame thicknesses of 1.4mm, RC2-rated security feature.

Essential construction specifications for aluminium door include:

Material and Structural Framing

- Alloy & Temper: Extruded aluminium alloy 6063-T6 for high tensile strength and marine-grade corrosion resistance.
- Wall Thickness: Minimum 2mm or thicker for heavy-duty commercial or high-wind zones.
- Profile Depth: 44mm
- Thermal Breaks: Integrates a polyamide insulating strip separating exterior and interior aluminium profiles to minimize thermal transfer, significantly improving the U-value.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

Hardware & Security

- Locking Mechanism: Heavy-duty, maximum-security hook-bolt locks or multi-point locking systems are specified for single door.
- Hinges: Heavy-duty, non-removable pin butt hinges or offset pivot sets rated for the specific weight of the door.
- Accessories: Includes stainless steel pull handle, levers with cylinders, and concealed door closer.

Finishes

- Powder Coating: Electrostatic polyester powder coating according to RAL colour standards (Charcoal colour) with a minimum coating thickness of 60 microns.
- Anodizing: Class 1 anodized finishes

Quantity: 1

SPECIFICATION - PART B – UPGRADING ABLUTION FACILITIES

CONCRETE

REPAIR SURFACE BED (WITH FLOOR COVERING):

Remove the existing floor covering, hack up the defective concrete surface bed, provide and place filling in 150mm thick layers and consolidate up to the underside of the concrete floor slab. Provide and lay damp proof membrane below surface bed 250 Micron.

Where the entire surface bed is to be replaced, the preparation shall be as above, except that the whole of the floor area shall be covered with a damp proof membrane.

Cast a new concrete surface bed 15MpA concrete 75mm thick..

Finish off concrete surface beds with 3:1 cement screed of the thickness required but in no case less than 12mm thick. The screed shall be finished off with a wood float and steel trowel to a true, smooth and even surface, ready for the laying of floor tiles, mosaics or wood blocks, elsewhere specified.

RE-INFORCED CONCRETE BASE TO GENERATOR:

Excavate, fill, level and grade as required, the area shown for the generator base plinth on site plan. Lay new damp proof course (USB Poly-ethylene sheeting complying with SABS Specification 952 Type B, 375 microns thick)

Prepare for and form concrete floor and ramps of 25/19 Mpa Concrete, reinforced with mesh reinforcement as ref. 156, 250mm thick finished off with power float finish.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		Initial here

BRICKWORK

GENERAL PURPOSE BRICKS:

Must be good, sound, extra hard burnt machine-made bricks, even in size and in accordance with the requirements of SABS-specification 227. The bricks must be Non-face Plaster.

BRICK WALLS FOR FOUNDATIONS (NFX):

Build all walls with **extra hard burnt bricks** to the thicknesses and lengths as shown on all drawings in cement mortar. The bricks are to laid in **water bond**. Allow for 1,6mm galvanised brick force every 5th course. Allow for mixing water repellent "Pudlo" in mortar mix.

ONE BRICK WALLS:

One brick thick walls are to be built in Stretcher Bond and in 3:1 cement mortar. Joints in brickwork, to walls specified to be plastered or tiled, are to be raked out.

HALF BRICK THICK WALLS:

Half brick thick walls are to be built in cement mortar, reinforced with 75mm wide brick reinforcement, one row to every fourth course in height, and built 100mm into main connecting walls. The reinforcement shall be lapped 150mm at end joints, and 75mm at angles.

JOINING NEW WALLS TO PLASTERED STRUCTURES:

Cut and hack off plaster and cut toothing 4 courses by 230 mm deep to form block bonding between new and existing walls. Brickwork forming new toothings to be well bedded and filled in on top and ends with 5:1 cement mortar. Contractor to ensure when new plaster it is to finish flush with and to match existing.

NEW WALLS IN EXISTING BUILDING:

Take up floor finishing, hack up surface beds to width required to suit the footings as shown on drawings. Excavate through filling to an approved depth and leave ready for concrete footings. Fill into excavations and ram well on completion of foundation walls.

Lay 15MpA concrete footings under new foundation walls 600mm widths and 230mm thick.

PRESTRESSED LINTELS:

Provide over all new doors, windows and openings pre-stressed concrete lintels reinforced with stressed high-tensile steel wires and lintols to be 450 mm longer than width of openings. Where lintols have been inserted for openings, lintols must be propped for a minimum of 14 days.

BEAM FILLING:

Carry block brickwork hard up against underside of roofing where applicable and finish neatly. Build beam filling to all external walls.

BUILDING IN OF PRESSED STEEL DOOR FRAMES:

Supply and set up in position where shown or mentioned, pressed steel door frames and build lugs firmly into brickwork. Strut as required and build in as work proceeds. All door frames to be properly caulked behind so that no hollow voids are left.

FORM OPENINGS AND BUILD IN WINDOWS:

Form openings in the existing wall, for building in of windows where shown or specified. Cut toothings the full height of openings; set windows in position, as later specified and build in.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

WATERPROOFING

DAMP-PROOFING COURSE:

Lay a damp-proof course on all new foundation walls. Lay similar damp-proof course under window cills.

DAMP-PROOFING MEMBRANE:

Lay a damp-proof membrane under all new solid floors specified.

FLASHINGS AT JUNCTIONS OF LEAN-TO ROOF WITH WALLS:

Contractor to allow for aluminium counter flashing which must be fixed into brick wall by cutting a joint and bending in the flashing with an approved sealant over the entire length of the headwall. Over this allow for a four coat bidem acrylic waterproofing membrane apply strictly according the manufacturer's instructions.

ROOF COVERINGS

STRUCTURAL TIMBER:

Contractor's attention is drawn in regard to the use of South African softwood for structural timbers.

LEAN-TO ROOFS:

Cover the roof with IBR Profile ZINCALUME or equal and approved, longspan roof sheets. Sheets to have a minimum yield strength is G550 (550 MPa), or G300 (300 MPa), depending on the product. Minimum coating mass is AM125 (125g/m²). The base metal thickness (BMT) is 0.48mm.

Provide roof of the sizes shown, consisting of ZINCALUME roof sheets to 3 degree roof pitch as described in drawing with ends wrapped around with dpc plastic.

Please note that no timber will be allowed on site or built in to any roof structure. Into new brickwork 0.6 mm Galvanised hoop iron must be built down into brickwork for 5 courses minimum (750 mm preferable) and wrapped around the rafters. Purlins are only to be splayed cut above a rafter. Purlin splay cuts are to be staggered.

FASCIA BOARDS (UPVC):

To the ends of rafters fix 225 x 9mm thick UPVC fascia Boards with SABS Specification Standards. Fascia boards to be mitred at angles, fixed to bottom purlin and to ends of rafters.

EAVES GUTTERS (ALUMINIUM):

The eaves gutters to be Industrial OGEE: 125mm x 125mm x 0.6mm (brackets fixed at 500mm centres) fixed to 40 x 5mm thick mild steel brackets. Colour charcoal.

RAINWATER PIPES (RECTANGULAR):

Rainwater pipes to be Rectangular Aluminium Downpipes 100 x 75 x 0,6mm rectangular fluted with Crimped bends. Colour charcoal.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

CARPENTRY AND JOINERY

HANGING OF DOORS:

All doors are to be hung in such a way that the completed door functions smoothly and perfectly. The clearance gap between door and frame after hanging shall not exceed 2 mm (+0mm —1mm) at sides and head of door. The gap between meeting stiles of doors hung folding shall also comply with the foregoing.

The clearance gap between foot of door and floor may be increased to 6 mm (+0mm —3mm) to accommodate any minor unevenness in the floor surface. The foregoing is not applicable where floor springs are specified to be used. Any door frame found to be distorted or out of plumb shall be reported to the Project Manager before any door is hung to such frame. Failure in this regard will result in the Contractor being held liable for all rectification work at his own expense. The foregoing shall be rigorously enforced where the door as hung will not close and latch properly.

When hung, no strain upon the hinges shall be detectable due to hinge binding. Depending upon the hinges supplied with pressed steel door frames the hanging edge of door may be angled back slightly from the hinge face of door to obviate such binding.

Mortice locks where specified are to be snugly fitted into the mortice with face plate flush with edge of door. In flush doors the mortice is to be deep enough to accept the lock, but must not penetrate through to the core of the door.

Lever handle door furniture is to be fixed with the backplate parallel to the edge of the door. Ensure that the handles function smoothly and do not bind. Screws used for fixing of hinges shall be screwed into holes of suitable sizes. In addition, prior to the final hanging of any unprotected external door, where such door opens to the outside of the building, both the top and bottom concealed edges shall be sealed with not less than two coats of the finish specified for the exposed surfaces of the door. Where the door opens to the inside of the building only the bottom edge of the door shall be so finished.

SUPPLY NEW INTERNAL DOORS:

Contractor to allow for the supply and hanging of all external doors on a pair and half of new 102 mm solid Brass hinges with brass screws. Contractor to ensure that all internal doors and external doors are hung properly (This means planning both sides of the door and not sawing off bottom sections of doors.)

All holes for locks must also be made and contractor to fit two lever SABS approved UNION locks to all internal doors and approved SABS UNION four lever locks to all external doors. Doors are to be finished off to open and close freely. Oil hinges as well. All frames to be galvanised pressed steel door frames.

Allow for the supply of 40mm semi solid internal doors.

Quantity: 2.

CEILINGS. PARTITIONS AND ACCESS FLOORING

ISOBOARD CEILINGS:

Provide and install new high density, rigid, extruded polystyrene insulation boarding ("Isoboard" insulation) of 30mm thick and 600mm wide, with tongue & groove joints, fixed concurrent with roof covering over the timber purlins, with 5mm gaps between boards butt-jointed over purlins. All as per the Manufacturer's instructions.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

FLOOR COVERINGS

Supply and lay Plascon Floortect 3000 WB or equal and approved, two-component, water-based epoxy coating to power floated floor. Plascon Floortect 3000 WB provides a tough, semi-gloss finish designed for interior use in high-hygiene environment. Colour to be used is Light grey.

Surface Preparation for Power Floated Floors

Power-floated concrete is extremely dense and smooth, preventing paint from adhering properly. The floor must be profiled to ensure a mechanical key.

- **Concrete Moisture:** Moisture content must be less than 5% (measured by Doser Hygrometer BD 4 scale).
- **Mechanical Preparation:** High-speed diamond grind or vacuum shot-blast the floor to remove the dense laitance and create a profile of CSP3 or less.
- **Cleaning:** Vacuum the floor thoroughly to remove all dust, oils, and loose particles.

Primer Application

Power-floated concrete requires a penetrating sealer to prevent the topcoat from soaking in unevenly and ensure maximum adhesion. Apply Plascon Floortect 7 SB (GW 7). Allow a minimum of 24 hours at 23°C for the primer to dry completely.

Topcoat Specification (Floortect 3000 WB)

Floortect 3000 WB is a two-component, water-borne epoxy that provides a scrubbable, semi-gloss finish. Stir both base and curing agent separately until homogenous. Mix 5 parts base to 1 part curing agent (by volume) with a power mixer. The Pot Life is 2 hours at 23°C. Only mix what you can use within this window.

Apply 2 coats of Floortect 3000 WB in Light Grey using a quality lamb wool roller or airless spray. The drying time equates to touch dry in 6 hours. Allow at least 24 hours between coats. Full cure requires 7 days, but light foot traffic is permitted after 24 hours.

PLASTERING

HACK OFF AND REPLASTER:

Hack off the plaster on the bad areas, wet the bare brickwork, rake out joints and render in 4:1 cement mortar, not less than 12mm thick, finished to a smooth and even surface to match existing.

Note:

The walls of the existing building are of soft clay brickwork. Care should be taken when removing the old plaster so as not to damage the bricks. Protect the wall from rain or running water once the bricks are exposed. Rake out the joints about 10mm deep. Brush down the walls to remove any loosely adhering material. Lightly dampen the wall and apply a spatter dash coat (a slurry of 2:1 cement grout) that incorporates a polymer emulsion to improve adhesion. Cover all the walls with 13mm bird mesh before plastering.

THICKNESS OF PLASTER:

Plaster on walls shall be not less than 12mm or more than 20mm.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

APPLICATION OF PLASTER:

Walls shall be well wetted before plastering is commenced. The surfaces of plastered walls internally shall be steel trowelled to a smooth, even and true finish. All external plaster shall be finished to a true and even surface with a wood float. All plaster surfaces shall be free from blemish.

Plaster shall be returned into reveals and soffits of openings and all angles shall be true and straight with salient angles slightly rounded.

Apply a 1:2 PermaBond water slurry to the walls. Plaster mix is 1:1:5 mix where 1 cement x 1 lime x 5 sand is the ratio for plastering. This must be done in 2 coats, where the first is a scratch coat.

EXTERNAL PLASTER TO ALL NEW BRICKWORK:

Render all newly built external walls from natural ground level with 1:1:5 cement lime plaster as shown on plan.

INTERNAL PLASTER TO ALL NEW BRICKWORK:

Render all internal walls from finish floor level with 1:1:5 cement lime plaster. Plaster to have steel trowel finish.

WINDOWS:

Provide anodised aluminium window of the type and sizes shown on drawing. The powder coated colour of the window will be charcoal.

Minimum thickness of aluminium framing to be 32mm. All mitres to be neat 45 degrees. Provide and fit into the openings new anodized aluminium windows with glass thickness of 4mm.

Supply and rivet to the aluminium framing, new 20mm wide x 3mm thick aluminium burglar proofing across the window.

Size of windows:

PT69 – 600mm x 900mm high

Quantity: 2

PT99 – 900mm x 900mm high

Quantity: 2

PLUMBING AND DRAINAGE**SANITARYWARE**

The Contractor shall allow for all water, waste and soil pipes to all sanitaryware fittings and connect to the new drainage lines as shown on plan.

WC pans and cisterns shall be 'Classic' washdown suite, code 750611 with hardwood double flap toilet seat. Equip water closet(WC) x 2 with single point cold supply and angle valves with 110mm waste outlet to septic tank.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

Quantity 2

WHB shall be heavy duty basin, pedestal type, 558 x 406mm, to take plain 'P' trap 32mm, as per Marley or equal approved, and shall be fitted with a basin waste, chromium plated with 62mm diameter flange, 80mm shank, with backnut, plug, chain and stay; mixer as per Cobra or equal approved. Equip Hand basin x 2 with double point hot and cold supply with angle valves and 40mm waste outlet(Grey h2o).

Quantity 2

Existing **kitchen sink** will be supplied by beneficiary. Equip kitchen sink only with double point hot and cold supply with 40mm waste outlet(Grey h2o).

Quantity 1

Toilet roll holders shall be hardwood (same as toilet seat) and screwed to walls.

Quantity 2

PAINTING

PREPARATION FOR PAINTING:

CLEANING DOWN: Cleaning down shall mean washing down with approved cleanser, filling as necessary, rubbing down to an even surface and hosing down to remove all dust and loose particles.

WIRE BRUSHING: Wire brushing shall mean wire brushing to a clean and solid surface, filling as necessary, rubbing down to an even surface and hosing down to remove all dust and loose particles.

RUB DOWN: Rub down to bare surface shall mean complete removal of everything to the base of material.

KNOT, PRIME AND STOP: This shall mean the applying of a brushing lacquer to all knags (knots) in soft wood, applying an approved primer to woodwork and to stop up holes with an approved filler and the sanding to a smooth and evenly surface there-after.

EXTERNAL PAINTING

PAINT NEWLY PLASTERED EXTERNAL WALLS:

Thoroughly clean off painted external walls, free from dirt, loose or flaking paint by means of a wire brush or any other effective method. Stop up holes or any other defects and finish off stopping.

Paint walls with one coat approved primer and two coats thermoplastic texture paint, strictly in accordance with manufacturer's instructions

PAINT PAINTED EXTERNAL WALLS:

Thoroughly clean off painted external walls, free from dirt, loose or flaking paint by means of a wire brush or any other effective method. Stop up holes or any other defects and finish off stopping.

Paint walls with two coats thermoplastic texture paint, strictly in accordance with manufacturer's instructions.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

PAINT PAINTED EXTERNAL WOODWORK:

Stop up holes, treat all exposed knots with knotting and sand down to a smooth and even surface. Paint previously painted woodwork with one prime coat to bare surfaces, one undercoat and one coat semi gloss, Velvaglo as per Plascon catalogue, or equal and approved paint.

VARNISH VARNISHED EXTERNAL WOODWORK:

Thoroughly sand down all previously varnished woodwork to a smooth and even surface. Stop up holes or other defects with an approved stopping, tinted to match the colour of the wood surface.

Sand down surfaces to a smooth and even surface. Apply two coats of weather resistant oil varnish, resistant against ultra violet rays, to woodwork.

INTERNAL PAINTING**PAINT INTERNAL NEW WALLS:**

Prepare, apply one coat of either an approved pigmented filler/sealer or clear filler/sealer, mixed with finishing paint in the proportion recommended by the manufacturers and paint two coats interior 100% acrylic emulsion paint and one coat glaze coat, mixed and applied in accordance with the manufacturer's instructions, to all new plastered internal wall surfaces, full height from floor to ceiling.

PAINT EXISTING WALLS:

Wash down with an approved detergent. Prepare for and paint one undercoat and two coats of 100% acrylic emulsion paint to the wall of all the rooms at all the houses.

To bad portions of the existing walls, strip of all flaked or otherwise defective paint film.

Prepare for and apply one coat of an approved sealer coat and paint as described above.

VARNISH INTERNAL WOODWORK:

All previously varnished woodwork as mentioned below surfaces shall be thoroughly cleaned and sanded down to a smooth and even surface. All cracks, nail holes or other defects shall be stopped with approved tinted stopping to match the colour of the wood surface. All cracked and loose stopping shall be hacked out, similarly renewed and all stopped surfaces shall be sanded down to a smooth and even surface flush with the surrounding woodwork.

Apply two coats of clear varnish.

PAINT INTERNAL WOODWORK:

All previously painted woodwork as mentioned below shall be sanded down to a smooth and even surface and thoroughly cleaned, free from grease, dirt, loose or flaking paint.

All cracks, nail holes or other defects shall be stopped with approved wood filler and rubbed down to a smooth and even surface flush with the surrounding surfaces, and all bare woodwork shall be painted with one coat primer. Paint woodwork with one universal undercoat and one high gloss paint.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

PAINT INTERNAL STEELWORK:

All previously painted metal surfaces shall be thoroughly cleaned and sanded down to a smooth and even surface, free from dirt and grease, and all rust, flaking paint or scale removed by means of a wire brush. Apply one coat of approved rust solvent and neutraliser to all bare surfaces, all strictly applied in accordance with the manufacturer's instructions.

Apply one coat of zinc chromate primer to all treated surfaces, prior to painting. Paint metal surfaces with one undercoat and one coat semi gloss, Velvagro as per Plascon catalogue, or equal and approved paint.

END OF WORK TO BE DONE**TIMELINE**

ACTION	START DATE	END DATE	TOTAL DAYS
Administrative and tender preparation	2026-07-20 Mon	2026-08-07 Fri	18
Tender runtime/sourcing of quotes	2026-08-07 Fri	2026-08-28 Fri	21
Adjudication and award of bid (BEC)	2026-08-28 Fri	2026-09-04 Fri	7
Adjudication and award of bid (BAC)	2026-09-04 Fri	2026-09-11 Fri	7
Award & objection period	2026-09-12 Sat	2026-09-26 Sat	14
Time to activate delivery	2026-09-26 Sat	2026-09-29 Tue	3
Construction time/delivery completed	2026-09-29 Tue	2027-01-27 Wed	120
Total duration			190

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

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 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.

Water for the Works

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

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.

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

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

- 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**. Insurance value must be minimum equal or more to the value of the accepted bid. If you do not have insurance, for smaller (less than R100 000) projects, Casidra can put it under its insurance portfolio for your own costs (0.5% of the contract value). We must be given enough prior notice regarding this.

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.

Warranty

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

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.

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

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			Yes
☐			☐
If yes to above, provide your VAT number			
Bill of quantities (if yes, it will be attached separately)			Yes
Bidder must complete attached BOQ			No
☒			☐
Item no	Quantity	Description	Bid price (RSA currency) (see 3a)
		SECTION A	
		SECTION B	
		SUB TOTAL	
		VAT	
		GRAND TOTAL	

Signature of bidder	
Date	

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder	<i>Initial here</i>	

BILL OF QUANTITIES FOR STORE
ROBERTSON: LAKEY PROJECTS BUILDING SERVICES cc

	Description	Qty		Unit	Rate		Amount
1	CLEAR & FILL TO SITE	220	m ²	@		\m ²	
2	RETAINING WALL	90	m ²	@		\m ²	
3	CONCRÉTE TO BASES	3	m ³	@		\m ³	
4	CONSTRUCT STEEL STRUCTURE	138	m ²	@		\m ²	
5	CONCRÉTE FOOTINGS TO WALLS	8	m ³	@		\m ³	
6	CONCRETE FLOOR & RAMPS - 150mm Thick, reinforced	22	m ³	@		\m ³	
7	PLASCON PLASCOTHENE PURECOAT LIGHT GREY FLOORTECT 3000 WB	138	m ²	@		\m ²	
8	2000mm STAINLESS FLOOR DRAINS	3	ea	@		\ea	
9	CLADDING TO ALL SIDES - 100mm INSULATED PANELS EXTERNAL	185	m ²	@		\m ²	
10	CLADDING TO INTERNAL - 50mm INSULATED PANELS INCLUDING DOORS 3m high	115	m ²	@		\m ²	
11	ROOF COVERING	156	m ²	@		\m ²	
12	ROOF INSULATION	138	m ²	@		\m ²	
13	GUTTERING	30	m	@		\m	
14	DOWNPIPES	14	m	@		\m	
15	STEEL ROLLER SHUTTER DOOR - 3 x 3 Metre	2	ea	@		\ea	
16	SOLID ALUMINIUM DOOR SIDE ENTRY	1	ea	@		\ea	
17	SECURITY GATE	1	ea	@		\ea	
18	SUPPLY AND INSTALL 1200 x 900mm HIGH ALLUMINIUM WINDOWS INCLUDING BURGLAR PROOFING AND GAUZE SCREENS	4	ea	@		\ea	

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

19	PLUMBING - (CONSERVANCY TANK AND DRAINS) INCLUSIVE OF DRAINAGE FITTINGS	40	m	@		\m	
20	NEW 25kva GENERATOR				PC ITEM		R 145 000.00
21	LITHIUM ION BATTERY WITH 10" MOUNTING RACK				PC ITEM		R 55 000.00
22	10 x 610W CANADIAN SOLAR PANELS WITH MOUNTING KITS				PC ITEM		R 35 000.00
23	DOUBLE DOOR TO DRYING AREA	1	ea	@		\ea	
24	STAINLESS STEEL HOOD/SIDE TO CHANNEL MOISTURE TO EXT EXHAUST SYSTEM OVER MACHINERY with VENTS - PC ITEM	Item			PC ITEM		R 17 000.00
25	SLAB FOR GENERATOR 200mm thick	1.0	m ³	@		\m ³	
26	TRANSPORT OF MACHINES	Item			PC ITEM		R 25 000.00
27	VENTILATORS - WHIRLY BIRDS	3	ea	@		\ea	
28	FILTRATION SYSTEM - H2O - PC SUM	Item			PC ITEM		R 35 000.00
29	EQUIPMENT - SSTEEL KNEE OPERATED WHB	1	ea	@		\ea	
30	EQUIPMENT - SSTEEL DOUBLE BOWL 304 grade by 2000MM	3	ea	@		\ea	
31	HOSE REEL 20 Metre ffd grade	1	ea	@		\ea	
32	BOOT SCRUB STAINLESS STEEL	1	ea	@		\ea	
33	SOLAR GEYSER 100 Litre	1	ea	@		\ea	
TOTAL							

RENOVATIONS TO THE EXISTING BUILDING

1	REMOVE EXISTING ROOF, DOORS AND WINDOWS.	Item					
2	BUILD NORTHERN SIDE OF WALL 500mm HIGHER	10	m ²	@		\m ²	
3	REPLASTER WALLS INTERNALLY AND EXTERNALLY	185	m ²	@		\m ²	
4	BUILD NEW 115mm THICK WALLS INTERNALLY	20	m ³	@		\m ³	
5	REPLACE RAFTERS	14	e.a.	@		\ea	
6	REPLACE ROOFING SHEETS	53	m ³	@		\m ³	

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

7	NEW CEILING AND BATTENS	53	m ³	@		\m ³	
8	NEW 75MM CONC FLOOR	3	m ³	@		\m ³	
9	TOPPING TO FLOOR	35	m ²	@		\m ²	
10	PLASCON PLASCOTHENE PURECOAT LIGHT GREY FLOORTECT 3000 WB	34	m ²	@		\m ²	
11	NEW WINDOWS: 600 x 900mm HIGH	2	e.a.	@		\ea	
12	NEW WINDOWS: 900 x 900mm HIGH	2	e.a.	@		\ea	
13	NEW INTERNAL DOORS	2	e.a.	@		\ea	
14	NEW EXTERNAL DOOR WITH SECURITY GATE & GLAZING	1	e.a.	@		\ea	
15	NEW WATER CLOSET PANS INCL CISTERNS	2	e.a.	@		\ea	
16	NEW WASH HAND BASINS	2	e.a.	@		\ea	
17	WATER CONNECTION	Item					
18	SEWER PIPEWORKS						
19	GUTTERING	14	m	@		\m	
20	DOWNPIPES	3	m	@		\m	
21	PAINTWORK	Item					
TOTAL							

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

NOTES (applicable where indicated)		
A. PRICE (where applicable)		
1. FIRM PRICES - Only firm prices will be accepted. - No non-firm prices will be considered. - All delivery cost must be included in the bid price for delivery at prescribed destination. - In cases where different delivery points influence the pricing, a separate pricing schedule must be submitted for each delivery point.		
2. NON-FIRM PRICES - 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. - Price adjustments will be allowed at periods and times specified in the bidding documents. - In cases where different delivery points influence the pricing, a separate pricing schedule must be submitted for each delivery point. - 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. PROFESIONAL SERVICES 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)		
- 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). - The tender will be evaluated on the criteria for a market related price. - 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. - The contractor must attach the proof of CIBD grading as specified in the scope of works. - The contractor must be in possession of a valid COIDA letter of good standing and it must be attached. - 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)		
- The tender will be evaluated on the criteria for a market related price. - 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. - The prices must be valid for a period of 90 days from date of closure of the bid to allow for evaluation and appointment. 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)		
- The contractor must attach a detailed and comprehensive company profile including core competencies of personnel. The company profile must summarize information about the organisation. - The company profile must include the following: - Company core business activities (describe products and services and markets in which it operates). - 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)		
E. WARRANTY (applicable when requested)		
Where requested, the bidder must attach proof of warranty offered on the letterhead of the bidder.		
F. BROCHURE (applicable when requested)		
- Bidder must provide detailed brochure and technical specifications of products where requested. - 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)		
Where applicable, the bidder must sign and submit the after sales agreement.		
H. APPOINTMENT (applicable to construction and professional services)		
- The successful contractor will be given notification in writing by means of an appointment letter - The successful contract must sign the CBD 8, together with this document, which will form the contract.		
For office use only	Version no: 3	Date: November 2025
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]

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

PROOF OF REFERENCES

Supply at least **three (3)** different references from **three (3)** different companies with contact numbers

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

PROOF OF RELEVANT EXPERIENCE

Provide detailed list of completed projects with contact numbers regarding construction projects completed as well as monetary value

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

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.

For office use only	Version no: 3	Date: November 2025
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

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

COIDA LETTER OF GOOD STANDING

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

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

12 MONTH WARRANTY ON WORKMANSHIP & MATERIAL

The bidder must attach to this page a copy of their warranty offered

For office use only	Version no: 3	Date: November 2025
To be initialised by bidder		<i>Initial here</i>

ELECTRICAL

Provide **Letter** from department of labour for Electrical registration of sub-contractor with expiry date.

For office use only	Version no: 3	Date: November 2025
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** or higher

For office use only	Version no: 3	Date: November 2025
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			

For office use only	Version no: 3	Date: July 2026
To be initialised by bidder		<i>Initial here</i>

	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.

For office use only	Version no: 3	Date: July 2026
To be initialised by bidder		<i>Initial here</i>

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

For office use only	Version no: 3	Date: July 2026
To be initialised by bidder		<i>Initial here</i>

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	

For office use only	Version no: 3	Date: July 2026
To be initialised by bidder		<i>Initial here</i>

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)

For office use only	Version no: 3	Date: July 2026
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

For office use only	Version no: 3	Date: July 2026
To be initialised by bidder		<i>Initial here</i>



Bid no: 12/2026

**ROBERTSON: LAKEY PROJECT: CONSTRUCTION OF PROCESSING FACILITIES AND
UPGRADING OF ABLUTION FACILITIES**

AUGUST 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:

- Construction of packing facilities and upgrading of ablution facilities

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

Location

The site is located in Robertson

Weather

Weather always poses a risk to any construction project. Therefore, the below information is important to manage this risk item accordingly.

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	

Robertson normally receives about 685mm of rain per year and because it receives most of its rainfall during winter it has a Mediterranean climate. The average rainfall values for Robertson per month. It receives the lowest rainfall (6mm) in February and the highest (98mm) in June. The monthly distribution of average daily maximum temperatures shows that the average midday temperatures for Robertson range from 15.6°C in July to 26.3°C in February. The region is the coldest during July when the mercury drops to 6.6°C on average during the night.

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.

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, e.g., 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.

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

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.

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	Warm temperatures	Heat exhaustion	4
GEOGRAPHICAL	Very loose sandy soil	Windstorms and risk of collapse of ground when excavating or open excavations	5

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

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 off structure	4
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

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

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

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	



Bid no: 12/2026

**ROBERTSON: LAKEY PROJECT: CONSTRUCTION OF PROCESSING FACILITIES AND
UPGRADING OF ABLUTION FACILITIES**

AUGUST 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

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

DESIGNATION	NAME	CONTACT NO's	ADDRESS	
Project Client	Casidra SOC	021 863 5000	22 Louws Avenue Southern Paarl 7624	N/A
Municipality	Langeberg Municipality	023 615 8000 (tel)	28 Main Street, Ashton	N/A
Department of Labour	Department of Labour Worcester	023 346 5200 (tel)	Durban Street, Worcester Central	N/A

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

This project consists of the following elements:

- Construction of packing facilities and upgrading of ablution facilities

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

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

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	
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

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

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: Reduction/transfe r/control/avoidan ce
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 to 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/transfe

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

	r/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 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.	Risk reduction/control/avoidance

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/transfer/control/avoidance

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

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, • 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.	Risk avoidance/control/reduction/transfer
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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	

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.

If you find you are working near stinging insects, here are some tips.

- 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 you hands and run from the area immediately.
- Wear light coloured 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.

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

DO NOT	
- 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.	

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
<u>COLLAPSE OF EXCAVATIONS</u> 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 <u>FALLING OR DISLODGING MATERIAL</u> Loose materials – may fall from spoil heaps into	Risk reduction/avoidance

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

the excavation. Edge protection should include toe boards 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
- 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 &

Public will be injured and/or killed

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mechanism of injury?	
Preventative action recommended	
Description	Category: Reduction/transfe r/control/avoidan ce
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 personell falling from heights.
Preventative action recommended	
Description	Category: 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 minimise 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	Risk reduction/avoidanc e/control

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

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.	
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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 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	Risk Control

For office use only	Version no: 2	Date: 20 October 2014
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clothing and signs that are highly visible.	
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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	

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		
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Description	Category: Reduction/transfe r/control/avoidan 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/transfe r/control/avoidan ce
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	Risk reduction/transfer/

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	

flammable materials such as adhesives, insulating materials and soft furnishings are present. 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.	control/avoidance
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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/transfe r/control/avoidan ce
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	Risk reduction/transfer/control/avoidance

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

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 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;

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

- ☐ 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

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.

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

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 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.

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

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

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:

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	

- 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.

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

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

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

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.

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

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.
*Fall Prevention Equipment	Suitable <u>Safety Belts</u> / Fall Arrest Equipment correctly used by persons working on / in unguarded, elevated positions e.g.:

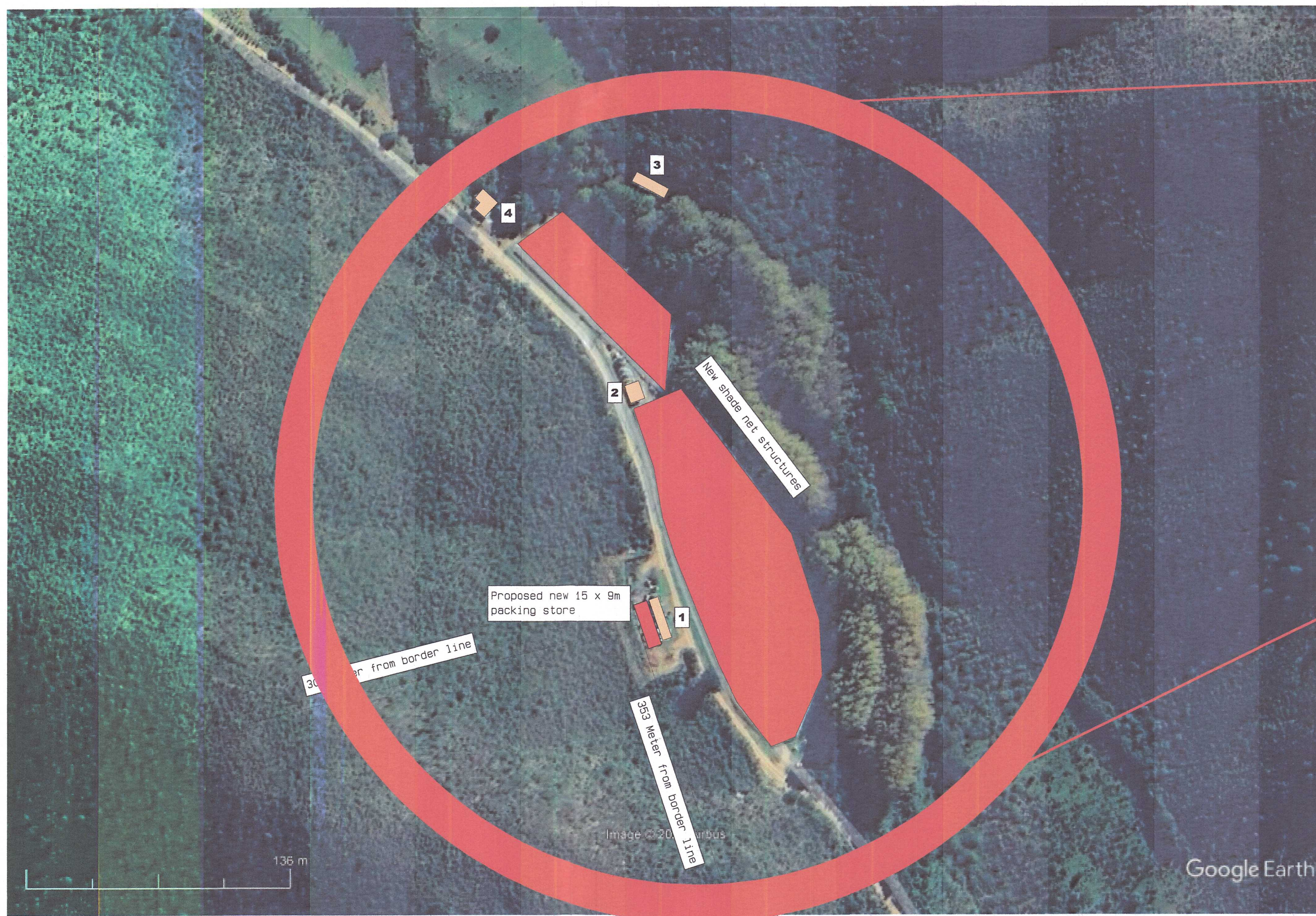
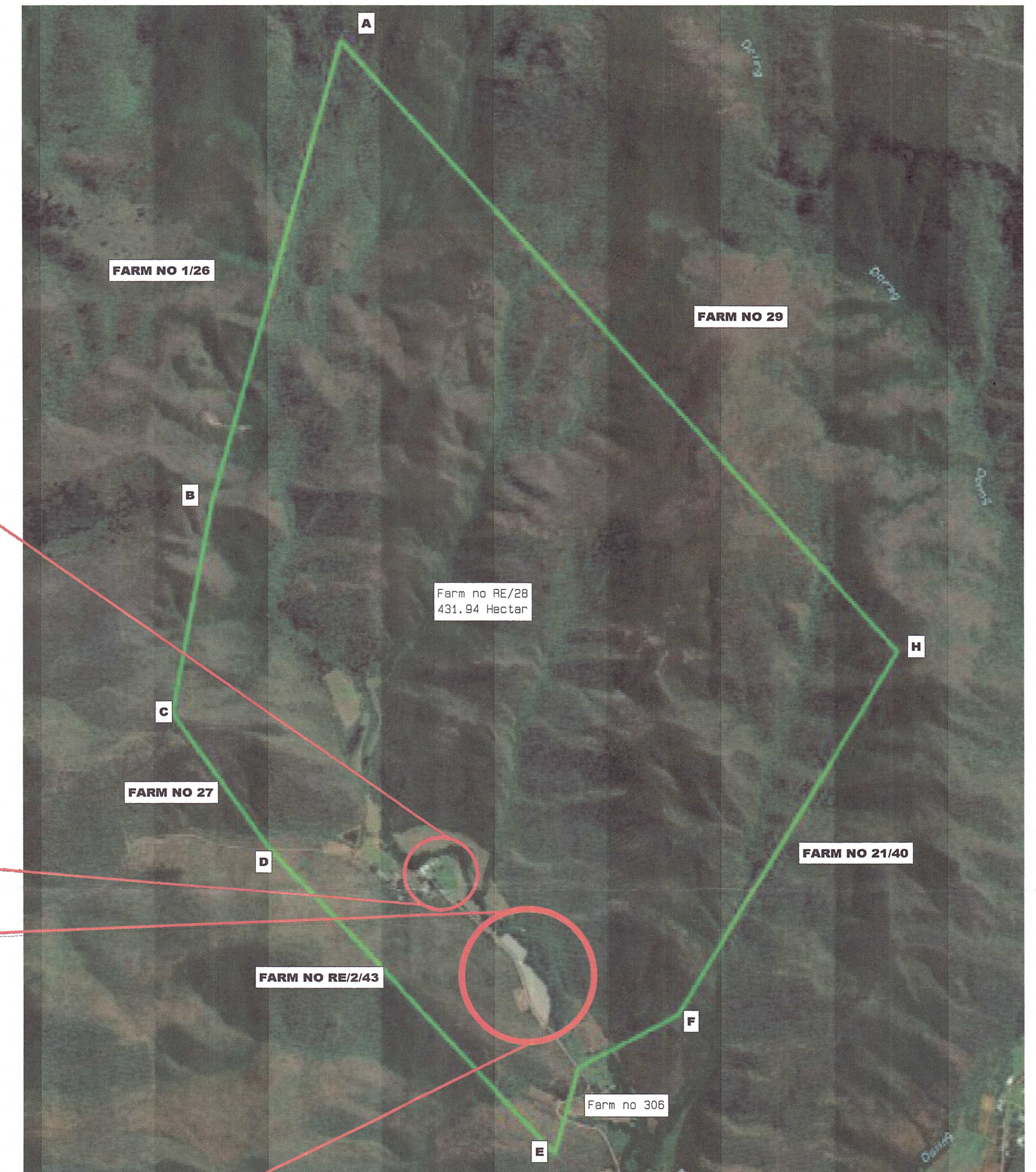
For office use only	Version no: 2	Date: 20 October 2014
To be signed upon appointment of winning bidder to form the agreement between the parties		
Signature for Casidra		Signature for Contractor

	* 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)

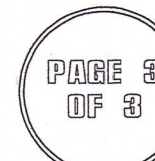
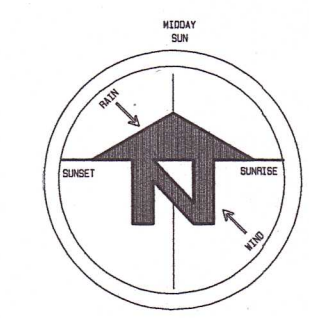
For office use only	Version no: 2	Date: 20 October 2014
To be signed upon appointment of winning bidder to form the agreement between the parties		
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- BUILDINGS**
1. DECOMPOSED BUILDING
 2. WATER TANK STAND
 3. DECOMPOSED BUILDING
 4. DECOMPOSED BUILDING
 5. STORAGE
 6. STORAGE
 7. WORKSHOP
 8. GARAGE
 9. HOUSE
 10. SMALL GARDEN SHADE NET
 11. EQUIPMENT STORE
 12. SHEEP PEN
 13. FARM HOUSE
 14. FARM HOUSE OUTBUILDING



INSERT
NOT TO SCALE

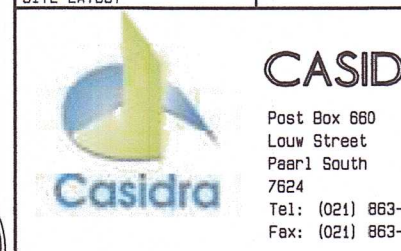


SIGNATURES	
OWNER	
DRAUGHTSMAN	
ENGINEER	

LANGEBERG MUNICIPALITY
BUILDING CONTROL
APPROVAL NUMBER: 118/25
APPROVED IN TERMS OF THE NATIONAL BUILDING
REGULATIONS AND BUILDING STANDARDS
ACT NO. 103 OF 1977 AND ALL OTHER
APPLICABLE LAWS
THIS APPROVAL IS VALID FOR 12 MONTHS
DATE: 20/06/25
BUILDING CONTROL OFFICER: [Signature]

CONTACT PERSONS	
A. J. Otto	Senior Project Manager: Technical
Casidra SOC Ltd	Cell: 082 456 1081
J. S. Swaneepoel	Programme Manager:
Environmental Sustainability	Casidra SOC Ltd
Cell: 084 900 9992	

DESCRIPTION AND INFORMATION	
FARM LAYOUT	
SITE LAYOUT	



**CONSTRUCTION OF
A PACK STORE IN
ROBERTSON DISTRICT**
Farm number: RE/28

MUNICIPAL DRAWING	
Client	Drawn by: J.S. Swaneepoel
Dept of Agriculture	Pr. Senior Arch
Project	Reg no.: S.T. 103
Laakey Project	Checked by: Kaizen Team
Municipality	Scale:
Laakey Municipality	NOT TO SCALE
Region:	Total coverage:
Western Cape	Pack store = 135m2
Date:	Shade net = 1,28 hecta
December 2024	Drawn by: laakey projects store.dr