



**SPECIAL CONDITIONS OF CONTRACT: 19/1/9/1/121TB (22) BID
FOR THE APPOINTMENT OF CONTRACTOR: SUPPLY, DELIVERY,
INSTALLATION AND COMMISSIONING OF PRE-MANUFACTURED
COLLAPSIBLE UNITS: NATIONALLY: FOR THE PERIOD OF FIVE (05)
YEARS**

11. CONTACT DETAILS

11.1 General

The Divisional Commissioner: Supply Chain Management
South African Police Service
Private Bag 254, Silverton
Physical address: 117 Cresswell Rd Silverton, Pretoria

11.2 Bid Enquiries/ Specification /Technical Enquiries

Bid Enquiries

Lt Colonel PW Matlala
Tel: 012 841 7734
Email: matlalapulutsi@saps.gov.za

Captain MP Sindane
Tel: 012 841 7503
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CPAC Kenneth Mohlala
Tel: 012 841 7358
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Technical Enquiries

Colonel Baliso
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SECTION B

12. CONTRACT PERIOD

- 12.1 The contract period shall be for a period of 36 months (three years) and will commence on the day of acceptance of a bidders proposal and not per financial or calendar year.

13. PARTICIPATING DIVISIONS/ PROVINCES FOR THE SAPS

- 13.1 This is a National Contract which will only be used and managed by the Division Supply Chain Management, Pretoria.

**14. LEGISLATIVE/ REGULATORY AND SPECIAL REQUIREMENTS
SPECIFIC TO THIS BID**

Bidders are required to adhere to the following legislative /regulatory and special requirements. Non-compliance with these conditions will invalidate the bid for such products offered.

- 14.1 Have an active CIDB grading of **7 GB (General building works).**
- 14.2 Fully complete and sign all documents and return it with the bid document.
- 14.3 Full compliance with the attached specifications SAPS 32242/2019 for pre-manufactured collapsible mobile units.
- 14.4 Submit all mandatory documents as required.
- 14.5 All materials used or supplied to the SAPS must be new and must be SANS approved.
- 14.6 Bidders must take cognisance of the fact that the SAPS' requirement is based on an "if-and when-needed"-basis and is **NOT** quantity based. **NO** quantities can be specified or guaranteed and will be dependent on the ad hoc needs of the SAPS. **Bidders must take cognisance of this fact and must submit their prices.**
- 14.7 Payment will only be made after the unit has been delivered, placed, set, connected and accepted by the South African Police Service.
- 14.8 No inferior units or bad workmanship will be accepted or paid for.

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14.9 PROFIT MARGIN

In order to determine if the tariffs and prices submitted in this bid document is reasonable and market related a cost breakdown must be submitted on closing date and time of the bid.

| | Percentage % |
|---------------------|--------------|
| Direct Labour | % |
| Other Variable Cost | % |
| Fixed Cost | % |
| Profit Before VAT | % |
| | 100% |

14.9.1 Failure to comply with the above-mentioned conditions **will** invalidate the bid for the item/s concerned.

15 ADDITIONAL DOCUMENTATION/INFORMATION REQUIRED SPECIFIC TO THIS BID

15.1 Format and submission of bid

15.1.1 Bidders are required to submit their bids in the following manner:-

| | |
|-----------|--|
| Section 1 | Standard bidding documents (CIDB, SBD documents) |
| Section 2 | Pricing Schedule and Item Questionnaire |
| Section 3 | Other supporting documentation (TAX Clearance certificate, B-BBEE certificate, brochures etc.) |

16 PRICING STRUCTURE

16.1 Prices quoted must be VAT inclusive per unit, item, meter, cubic meter or as indicated.

16.2 Prices submitted for this bid must be filled in on the field provided on the pricing schedules supplied with the bid. Price structures that do not comply with this requirement **will** invalidate the bid.



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17 CONTRACT PRICE ADJUSTMENTS

17.1 Formula

17.1.1 Prices submitted for this bid will be regarded as **firm for the first year** and non-firm for the second year and third year; will be subject to adjustment(s) in terms of the following formula, defined areas of cost and defined periods of time.

17.1.2 Applications for price adjustments must be accompanied by documentary evidence in support of any adjustment claim.

17.1.3 The following price adjustment formula will be applicable for calculating contract price adjustments (CPA).

| | | |
|---|---|--|
| $Pa = (1 - V)Pt \left(D1 \frac{R1t}{R1o} + D2 \frac{R2t}{R2o} + D3 \frac{R3t}{R3o} + + Dn \frac{Rnt}{Rno} \right) + VPt$ | | |
| Pa | = | The new adjusted price to be calculated |
| V | = | Fixed portion of the bid price (15% or 0.15) |
| Pt | = | Original bid price. Note that Pt must always be the original bid price and not an adjusted price |
| (1-V)Pt | = | Adjustable portion of the bid price (85% or 0.85). |
| D1 – Dn | = | Each factor (or percentage) of the bid price, e.g., material, labour, transport, overheads, etc. The total of the various factors (or percentages) D1 – Dn must add up to 1 (or 100%). |
| R1t – Rnt | = | End Index. Index figure obtained from the index at the end of each adjustment period. |
| R1o–Rno | = | Base Index. Index figure at the time of bidding. |
| VPt | = | 15% (or 0.15) of the original bid price. This portion of the bid price remains fixed, i.e. it is not subject to price adjustment. |



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17.2 Formula component definitions

17.2.1 Adjustable amount

The adjustable amount is the portion of the bid price which is subject to adjustment. In this bid the adjustable amount is 85% of the original bid price. For example, if the bid price is R1000, then only R850 will be subject to adjustment.

17.2.2 Fixed portion

The fixed portion represents those costs which will not change over the adjustment period and DOES NOT represent the profit margin. In this bid the fixed portion is 15% of the original bid price.

Using the same example as above, it would amount to R150 which will remain fixed over the contract period.

17.2.3 Cost components and proportions

The cost components of the contract price usually constitute the cost of materials (raw material or finished product), cost of direct labour, cost of transport and those other costs which are inclined to change. The proportions are the contribution to the contract price of each of these cost components. In this bid the following cost components will be used to calculate contract price adjustments.

Bidders are requested to submit the cost breakdown of the bid price for each item with their bid. Should the cost breakdown be the same for all items on the bid, please indicate it clearly in the bid document. Bidders will not be allowed to change the cost breakdown of bid prices during the tenure of the contract.

Successful bidders that are direct importers of raw material/finished product can apply for RoE adjustment under cost element D1. If the successful bidder is not a direct importer of raw material/finished product, cost component D1 would not be applicable and only local cost components (D2 - Dn) would be applicable.



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| Cost Component | % Contribution |
|--|-----------------------|
| D1- Imported Raw Material/Finished product (if applicable) | |
| D2 - Local Raw Material/Finished product (if applicable) | |
| D3 - Labour | |
| D4 - Transport | |
| D5 – Other | |
| TOTAL (Cost components must add up to 100%) | 100 % |

17.2.4 Applicable indices/references

The applicable index refers to the relevant market index, which is a true reflection of price movement(s) in the cost over time. In this bid the following indices or reference will be applicable:

| Cost component | Index Publication | Index Reference |
|---|--|--|
| D1 – Imported Raw Material/Finished product (if applicable) | Supplier/Manufacturer invoice(s) and remittance advice. ¹ | Documentary evidence to accompany claim. |
| D2 - Local Raw Material/Finished product (if applicable) | CPI OR Supplier/Manufacturer invoice(s) ² | Documentary evidence to accompany claim |
| D3 - Labour | Labour agreement ³ OR Stats SA P0141 (CPI) Table E | Labour agreement to be provided OR CPI - All Items |
| D4 – Transport | STATS SA P0141 (CPI) Table E | Table E - Transport – Other Running Cost |
| D5 – Other | Specify | Documentary evidence to accompany claim |

¹ In cases where invoices are supplied as documentary evidence, it is advised that invoices closest to the Base Index date and the End Index date be submitted. It should ideally reflect the adjustment period.

² Same as footnote 1.

³ In the absence of a labour agreement, the labour cost component will be adjusted with CPI Headline inflation.



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17.2.5 Base Index Date

The base index date applicable to the formula is defined as the date at which the price adjustment starts. In this bid the base index date is **October 2022**.

17.2.6 End Index Date

The end index dates are the dates at predetermined points in time during the contract period. In this bid the end indices are defined in the next paragraph (Price Adjustment Periods).

17.2.7 Price Adjustment Periods

Adjustment to contract prices must be applied for at the following dates:

| Adjustment | CPA application to reach the office at the following dates | End Index Date | Dates from which adjusted prices will become effective | Dates until which adjusted prices will be effective |
|----------------------------|---|-----------------------|---|--|
| 1 st Adjustment | 1 February 2024 | March 2024 | 3 March 2024 | 31 January 2024 |
| 2 nd Adjustment | 1 February 2025 | March 2025 | 3 March 2025 | 31 January 2025 |
| 3 rd Adjustment | 1 February 2026 | March 2026 | 3 March 2026 | 31 January 2026 |
| 4 th Adjustment | 1 February 2027 | March 2027 | 3 March 2027 | 31 January 2027 |

17.3 Rates of Exchange (RoE) – Base and Average rates

In the event where material and/or finished products are imported the following will apply:

17.3.1 The formula described above will be used and the imported cost component of the bid price (D1) will be adjusted taking into account the base RoE rate (refer paragraph 17.3.4) and the average RoE rate over the period under review indicated in paragraph 17.3.6 below.



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17.3.2 In the event where the RoE adjustment goes hand in hand with a material/product price increase, the material/product price (in foreign currency) will be converted to South African currency using the base rate (paragraph 17.3.4) for the earlier invoice and the average RoE rate for the period under review as indicated in paragraph 17.3.6 below for the later invoice.

17.3.3 The imported cost component (D1) will be adjusted together with all the other cost components indicated in paragraph 17.2.3 and 17.2.4 above and at the predetermined dates indicated in paragraph 17.2.7 above.

17.3.4 **Rate(s) of exchange to be used in this bid in the conversion of the bid price of the item(s) to South African currency is indicated in the table below.**

| Currency | Rates of exchange 3 month average for the period 01 August 2022 to 01 October 2022 |
|----------|--|
|----------|--|

17.3.5 Should the bidder make use of any other currency not mentioned above, the bidder is requested to calculate the average for the period 01 August 2022 to 01 October 2022 using the Reserve Bank published rates for the specific currency. Visit www.reservebank.co.za to obtain the relevant rates.

17.3.6 Contract price adjustments due to rate of exchange variations are based on average exchange rates as published by the Reserve Bank for the periods indicated hereunder:

| Adjustment | Average exchange rates for the period: |
|----------------------------|--|
| 1 st Adjustment | 29 February 2024 to 29 August 2024 |
| 2nd Adjustment | 30 August 2024 to 28 February 2025 |

General

17.3.7 Unless prior approval has been obtained from the SAPS Bid Adjudication Committee no adjustment in contract prices will be made.

17.3.8 Applications for price adjustment must be accompanied by documentary evidence in support of any adjustment.

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17.3.9 CPA applications will be applied strictly according to the specified formula and parameters above as well as the cost breakdown supplied by bidders in their bid documents.

17.3.10 In the event where the supplier's CPA application, based on the above formula and parameters, differs from Contract Management's verification, Contract Management will consult with the supplier to resolve the differences.

17.3.11 Bidders are referred to paragraph 7 of the Special Conditions regarding Counter Conditions.

18 DELIVERY AND QUANTITIES

18.1 Delivery Basis

18.1.1 It is a requirement of this Bid that delivery must take place as follows after official orders have been received by the successful Bidder.

Table 1: Lead times

| Amount of Units per Project | Lead Time |
|------------------------------------|------------------|
| 2 Units and less | 8 Weeks |
| 3-4 Units | 10 Weeks |
| 5-6 Units | 12 Weeks |
| 7-8 Units | 14 Weeks |
| 9-10 Units | 16 Weeks |
| 11-12 Units | 18 Weeks |
| 13-14 Units | 20 Weeks |
| 15-16 Units | 22 Weeks |

18.1.2 As this bid calls for Provincial delivery provision must be made for delivery anywhere within the borders of the Province. No additional delivery costs will be paid.

19 Quantities

19.1 No quantities are reflected in the bid as orders will be placed on the basis of "as and when required" and no guarantee is given or implied as to the actual quantity which will be procured during the contract period.

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SECTION C

20 ROLES AND RESPONSIBILITIES

20.1 Contract Administration

- 20.1.1 The administration and facilitation of the contract will be the responsibility of the Divisional Commissioner Supply Chain Management and all correspondence in this regard must be directed to the following address:

The Divisional Commissioner: Supply Chain Management, Private Bag X254, Pretoria, 0001.

- 20.1.2 Contractors must advise the Divisional Commissioner Supply Chain Management immediately when unforeseeable circumstances will adversely affect the execution of the contract. Full particulars of such circumstances as well as the period of delay must be furnished.

20.2 Supplier Performance Management

Supplier performance management will be the responsibility of the Section Head Programme and Project Management at the Division Supply Chain Management and where supplier performance disputes cannot be resolved between the contractor and the relevant purchasing institution.

The Divisional Commissioner: Supply Chain Management: Bid Management must be informed for corrective action.

21 Placement of Orders and Payments

- 21.1 Orders will and may only be placed per SAPS Supply Chain Management who will be responsible for the payment to contractors for goods delivered and/or services rendered.
- 21.2 Contractors should note that the order(s) will be placed as and when required during the contract period and delivery points will be specified.
- 21.3 The instructions appearing on the official order form regarding the supply, dispatch and submission of invoices must be strictly adhered to and under no circumstances should the contractor deviate from the orders issued by



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the SAPS.

- 21.4 The South African Police Service is under no obligation to accept any quantity which is in excess of the ordered quantity.

22. Delivery Adherence

- 22.1 Delivery of goods/services must be made in accordance with the instructions appearing on the official order forms.

- 22.2 It is a requirement of this Bid that delivery must take place as follows after official orders have been received by the successful Bidder.

Table 1: Lead times

| Amount of Units per Project | Lead Time |
|------------------------------------|------------------|
| 2 Units and less | 8 Weeks |
| 3-4 Units | 10 Weeks |
| 5-6 Units | 12 Weeks |
| 7-8 Units | 14 Weeks |
| 9-10 Units | 16 Weeks |
| 11-12 Units | 18 Weeks |
| 13-14 Units | 20 Weeks |
| 15-16 Units | 22 Weeks |

- 22.3 Non-compliance to the above-mentioned delivery dates will result in the enforcement of penalties in terms of JBCC Principal Agreement and Contract Data.

23. PRODUCT ADHERANCE/BRAND CHANGE

- 23.1 In the event where a bidder offers a specific brand against an item and the item is subsequently awarded to the bidder, it is required of the successful bidder to continue to supply the brand awarded throughout the contract period.

- 23.2 In the event that the brand is discontinued, the Divisional Commissioner: Supply Chain Management: Bid Management must be notified of such an occurrence.

- 23.3 Contractors are not allowed to deliver a different brand other than the brand awarded to them prior to an approval of brand change from The Divisional



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YEARS**

Commissioner: Supply Chain Management, SAPS.

24 QUALITY ADHERANCE

- 24.1 If the delivered supplies are not in accordance with the contract requirements, the cost of inspections, tests and analysis done by an independent testing facility shall be defrayed by the contractor.

25. CERTIFICATES OF COMPLIANCE

- 25.1 An electrical compliance certificate must be issued with each unit
- 25.2 An electrical compliance certificate must be issued after connection to the main power supply, for each unit
- 25.3 A letter of conformation must be issued for the water and sewerage connection, for each unit
- 25.4 Failure to submit the electrical compliance certificates and/or letter of conformation for water and sewerage connection(s) will lead to non-acceptance of the unit(s) and subsequent no payment.

26. PENALTIES FOR LATE COMPLETION

- 26.1 Where the contractor fails to bring the works or sections thereof to practical completion on the date or dates stated in the schedule or revision thereof in terms of Clause 29.0, the contractor shall be liable to the employer for penalty per calendar day for no completion of the works or each section thereof at the rate in the schedule. The principal-agent shall calculate the penalty due from the date or revised date in terms of Clause 29.0 up to and including the actual date of practical completion of the works or section thereof or the date of cancellation in terms of Clause 36.3.
- 26.2 Where the employer levies such a penalty the principal agent shall detail the amount for recovery in terms of Clause 33.1. The employer may also consider termination of the contract pursuant to Clause 36.0 and 37.0
- 26.3 Penalties shall be calculated proportionally on the contract value of each phase of the projects.



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CALCULATION OF PENALTIES PER DAY (EXCLUDING VAT)

| CONTRACT PERIOD | RATE FOR R 100 OF CONTRACT VALUE |
|------------------------|---|
| 1 month | 27,5 cents |
| 1,5 months | 22 cents |
| 2 months | 16,5 cents |
| 2,5 months | 13,5 cents |
| 3 months | 11 cents |
| 3,5 months | 9,5 cents |
| 4 months | 8,5 cents |
| 4,5 months | 7,5 cents |
| 5 months | 6,25 cents |
| 6 months | 5,75 cents |
| 7 months | 4,75 cents |
| 8 months | 4 cents |
| 9 months | 3,75 cents |
| 10 months | 3,5 cents |
| 11 months | 3 cents |
| 12 months | 2,75 cents |
| 14 months | 2,5 cents |
| 15 months | 2,25 cents |
| 16 months | 2 cents |
| 18 months | 1,75 cents |
| 20 months | 1,5 cents |
| 21 months | 1,5 cents |
| 24 months | 1,25 cents |
| 30 months | 1 cent |
| 36 months | 1 cent |
| 42 months | 1 cent |

PENALTY PER DAY ROUNDED OFF AS FOLLOWS

| | |
|-----------------|--------------|
| R0-R500 | Nearest R5 |
| R501-R1 000 | Nearest R10 |
| R1001-R5 000 | Nearest R50 |
| R5001 and above | Nearest R100 |



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Example:

| | | |
|--|---|--------------------------------|
| Estimated contract value | = | R 2 500 000 (Excluding VAT) |
| Construction period | = | 10 months |
| | = | R 2 500 000 X (0, 0275/100) |
| | = | R 687-50/day |
| Therefore, rounded off To the nearest R 10-00 until the due completion of work | = | R 690-00/day which shall lapse |

CONTENTS OF SPECIAL CONDITIONS

I/we, the undersigned, hereby declare that I/we have read and understand the above and agree to be bound by the stated terms and conditions.

NAME OF BIDDER: _____

CAPACITY: _____

SIGNATURE: _____

DATE: _____

**APPOINTMENT OF A CONTRACTOR FOR THE SUPPLY, DELIVERY,
INSTALLATION AND COMMISSIONING OF PRE-MANUFACTURED
COLLAPSABLE UNITS FOR THE PERIOD OF FIVE (05) YEARS TO THE
SOUTH AFRICAN POLICE SERVICE: NATIONALLY**

BID: 19/1/9/1/121TB(22)

PART C:

CONTRACT

Part C.2

Specification 32242/19

**SPECIFICATION FOR ALTERNATIVE BUILDING METHOD
(PRE-MANUFACTURED PANELS ASSEMBLED ON SITE)
DATE: 17-10-2019 REV: 00**

SPEC 32242/19

| NR | REQUIREMENT | PARTICULARS OF BID | |
|--|-------------|--------------------|---------------|
| STATE UNDER PARTICULARS OF BID AGAINST EACH REQUIREMENT WHETHER THE BIDDER COMPLY OR DO NOT COMPLY WITH THE REQUIREMENT OF THE SPECIFICATION | | COMPLY | DO NOT COMPLY |

| | | | |
|-----|--|--|--|
| 1. | <u>GENERAL:</u> | | |
| 1.1 | This specification covers units which consist of pre-manufactured panels bolted, welded or cast together on site to form a permanent functional unit mounted on a concrete foundation and surface bed. | | |
| 1.2 | A valid Agrément Certificate must be handed in with the bid documents where required. | | |
| 1.3 | The contractor shall ensure that the foundation for each building is designed and fabricated in accordance to the requirement of the structure and signed off by a registered professional structural engineer. Certificate of compliance to be submitted upon final completion. | | |
| 1.4 | <p>Once the unit is assembled, it must be connected to services, namely water, electricity, sewerage and data. The contractor/ manufacturer will be responsible for costs to provide the services on site for connection to the buildings. The contractor/ manufacturer to familiarise him/ herself with available services and required material.</p> <p>Cost for service include, but not limited:</p> <ul style="list-style-type: none"> • Eskom connection, increase in electricity supply • Water connection • Drainage connection or increase in size thereof, etc. | | |
| 1.5 | The contractor/ manufacturer shall ensure to approve all buildings at the local authority of the relevant area. The client shall be supplied with a set of approved building plans prior to start of construction for the specific site and buildings. In cases the municipality waive the submission of building plans, the contractor/ manufacturer shall supply the client with a written confirmation/ consent letter from the local municipality. | | |

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SIGNATURE:

BIDDER DATE :PAGE 1 OF 51

**SPECIFICATION FOR ALTERNATIVE BUILDING METHOD
(PRE-MANUFACTURED PANELS ASSEMBLED ON SITE)
DATE: 17-10-2019 REV: 00**

SPEC 32242/19

| NR | REQUIREMENT | PARTICULARS OF BID | |
|--|--|--------------------|---------------|
| STATE UNDER PARTICULARS OF BID AGAINST EACH REQUIREMENT WHETHER THE BIDDER COMPLY OR DO NOT COMPLY WITH THE REQUIREMENT OF THE SPECIFICATION | | COMPLY | DO NOT COMPLY |
| 1.6 | <p>The contractor/ manufacturer shall include cost for any registered professional consultant required for the design and sign-off (approval) of building plans, for example a civil and structural engineer, architect etc. Furthermore, the contractor/ manufacturer will be responsible to arrange inspection from the local municipality for occupation, fire certificate etc.</p> <p>Including, but limited to:</p> <ul style="list-style-type: none">• SDP, building plan, rational design approved• Storm water, plinth, foundation designs• Drainage, ventilation, fire rational, potable water designs and approvals• Glazing, roof, electricity certificate, etc. | | |
| 1.7 | The contractor shall supply the client, SAPS, with a service agreement between herself/ himself and the manufacturer of the pre-manufactured panels for a period of 5 years (Duration of contract). The contractor to supply the agreement with the Bid documents. | | |
| 1.8 | All deviations must be listed and explained to be evaluated. | | |
| 1.9 | A similar unit as an example must be available during evaluation process. | | |
| 1.10 | A variety of units will be needed but the basic construction must be the same for all. | | |
| 1.10 | The proposed structures should have a minimum of 10 years' durability, the contractor will be required to submit a guarantee certificate from the manufacturer on the life span of the structures upon final completion of the project and unit construction. | | |

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SIGNATURE:

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**SPECIFICATION FOR ALTERNATIVE BUILDING METHOD
(PRE-MANUFACTURED PANELS ASSEMBLED ON SITE)
DATE: 17-10-2019 REV: 00**

SPEC 32242/19

| NR | REQUIREMENT | PARTICULARS OF BID | |
|--|---|--------------------|---------------|
| STATE UNDER PARTICULARS OF BID AGAINST EACH REQUIREMENT WHETHER THE BIDDER COMPLY OR DO NOT COMPLY WITH THE REQUIREMENT OF THE SPECIFICATION | | COMPLY | DO NOT COMPLY |
| 1.11 | All exposed steel work must be hot dipped galvanised. No paint-on galvanised steel will be accepted. | | |
| 2. | <u>The following units are required:</u> | | |
| 2.1 | Omitted | | |
| 2.2 | Office block consisting of 4 offices ($\pm 15\text{m} \times \pm 3\text{m}$) - Fig 2 | | |
| 2.3 | Double wide office block-open plan with 2 offices ($\pm 12\text{m} \times \pm 6\text{m}$) – Fig 3 | | |
| 2.4 | Double wide office block-open plan with 1 office ($\pm 7.5\text{m} \times \pm 6\text{m}$) – Fig 4 | | |
| 2.5 | Ablution Unit - male, female and disabled ($\pm 8\text{m} \times \pm 3\text{m}$)) – Fig 5 | | |
| 2.6 | Single quarters – 3 rooms ($\pm 18\text{m} \times \pm 3\text{m}$) – Fig 6 | | |
| 2.7 | CSC block ($\pm 12\text{m} \times \pm 6\text{m}$) – Fig 7 | | |
| 2.8 | Office block – open plan with 2 offices and walk in safe – ($\pm 12\text{m} \times \pm 6\text{m}$) – Fig 8 | | |
| 2.9 | Temporary holding cell: 1 x male and 1 x female-($\pm 9\text{m} \times \pm 3\text{m}$)- Fig 9 | | |
| 2.10 | Guard House: 1 x toilet facility and open area – ($\pm 2.88\text{m} \times \pm 3.27\text{m}$)- Fig 10 | | |
| 2.11 | Showers: 2 x Male showers and 2 x Female showers – ($\pm 4\text{m} \times \pm 3.5\text{m}$)- Fig 11 | | |
| 2.12 | Married quarters: 2 x Married quarter units, each unit consist of: 1 x Bathroom, 1 x Main bedroom, 1 x smaller bedroom, open living area with kitchen - ($\pm 16\text{m} \times \pm 5.7\text{m}$)- Fig 12 | | |

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|--|--|--------------------|---------------|
| STATE UNDER PARTICULARS OF BID AGAINST EACH REQUIREMENT WHETHER THE BIDDER COMPLY OR DO NOT COMPLY WITH THE REQUIREMENT OF THE SPECIFICATION | | COMPLY | DO NOT COMPLY |
| 2.13 | If the contractor has <u>standard units that will cover the needs</u> above or close to that, it must be stated and layouts provided with the bid. | | |
| 2.14 | The product offered must have proven Fire Resistance Rating (FRR) of not less than 30 minutes. A copy of the Agrément certificate to be provide upon completion of the units. | | |
| 3. | <u>SPECIFICATION</u> | | |
| 3.1 | <u>Construction</u> | | |
| 3.1.1 | The wall panels must be fixed to a concrete surface bed, the concrete surface bed will form the floor and main base of the units. The foundation and surface bed will consist of a raft foundation designed and specified by a registered professional civil and structural engineer. | | |
| 3.1.2 | The concrete surface bed will be for the size of the unit (Refer to layout of each unit) with a 1000 mm wide concrete apron around the building/ structure with a ramp to the entrance/s of the building/ structure. The apron will have a slope for storm water to flow away from the building. | | |
| 3.1.3 | All reinforced concrete shall be 25MPa/19mm and all control testing shall be carried out strictly. Certificate to be provided by contractor with test results by an accredited testing facility during the construction of the surface bed. Test to be done by contractor (Cube, slump test) | | |

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| 3.1.4 | <p>The transfer beams of the raft foundation will be in a grid of maximum 1.5m x 1.5m with main beam around the edge of the raft foundation.</p> <p>Alternative specification by registered professional civil and structural engineer:</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> | | |
| 3.1.5 | <p>170mm Surface bed (25MPa) above the natural ground level with 250µM damp proof membrane and Y10 Mesh Ref 193(2400x6000mm).</p> | | |
| 3.1.6 | <p>The trenches of the raft foundation must be at least 500mm below the natural ground level and 200mm wide.</p> | | |
| 3.1.7 | <p>Y12 longitudinal reinforcement, R10 stirrups and Y12 cross bars to be fixed 200mm from centre to centre before concrete poured. The blinding must be at least 50mm.</p> <p>No concrete shall be placed prior to the internal and external engineer giving written approval.</p> | | |
| 3.2 | <u>External building wall Type 1: Cell Block</u> | | |
| 3.2.1 | <p>All walls to be constructed of pre-manufactured panels, bolted or welded together and fixed to the concrete surface bed. The wall will be water tide and be sealed between the concrete surface bed and wall panel.</p> | | |

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| STATE UNDER PARTICULARS OF BID AGAINST EACH REQUIREMENT WHETHER THE BIDDER COMPLY OR DO NOT COMPLY WITH THE REQUIREMENT OF THE SPECIFICATION | | COMPLY | DO NOT COMPLY |
| 3.2.2 | <p>External walls must have a minimum CR value of 100 in accordance with SANS10400 and 204 or a valid Agrément Certificate upon construction of the unit ensuring insulation compliance.</p> <p>State: Insulation material and total thickness of wall.</p> | | |
| 3.2.3 | <p>External wall to consist 5mm thick mild steel plate for the full height of the wall/ mild steel mesh with maximum 50mm apertures. Detainees should not be able to break through the wall panels during detaining.</p> <p>State: Method of reinforcing</p> | | |
| 3.2.4 | <p>External walls to be finished with at least 0.5 mm pre-painted white Chromadek sheet on the external surface of the wall panel. The internal surface may be a 10mm thick fibre cement panel with painted finish (one coat primer with 2 coats of water-based wall paint) or a 0.5mm pre-painted Chromadek sheet and manufacturer's warranty against rust and material failure for 10 years.</p> <p>Walls to be 2700mm high with appropriate roof ties, no gaps to be allowed between the roof structure and the external wall to create a water tight building.</p> <p>State: Material specification to be used:</p> | | |
| 3.3 | <u>External building wall Type 2: Standard wall</u> | | |

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| STATE UNDER PARTICULARS OF BID AGAINST EACH REQUIREMENT WHETHER THE BIDDER COMPLY OR DO NOT COMPLY WITH THE REQUIREMENT OF THE SPECIFICATION | | COMPLY | DO NOT COMPLY |
| 3.3.1 | All walls to be constructed of pre-manufactured panels, bolted or welded together and fixed to the concrete surface bed. | | |
| 3.3.2 | <p>External walls must have a minimum CR value of 100 in accordance with SANS10400 and 204 or a valid Agrément Certificate for compliance. Contractor to supply Agrément certificate of compliance from the manufacturer with bid document.</p> <p>State: CR value, Insulation material and total thickness of wall.</p> <p>.....</p> <p>.....</p> | | |
| 3.3.3 | <p>External walls to be finished with at least 0.5 mm pre-painted white Chromadek sheet on the external surface of the wall panel. The internal surface may be a 10mm thick fibre cement panel, skimmed with painted finish (one coat primer with 2 coats of water-based wall paint) or a 0.5mm pre-painted Chromadek sheet and manufacturer's warranty against rust and material failure for 10 years. Colour of the internal paint to be presented to the client for approval on site.</p> <p>Walls to be 2700mm high with appropriate roof ties, no gaps to be allowed between the roof structure and the external wall to create a water tied building.</p> <p>State: Material specification to be used:</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> | | |
| 3.4 | <u>Internal building walls:</u> | | |

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**SPECIFICATION FOR ALTERNATIVE BUILDING METHOD
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| STATE UNDER PARTICULARS OF BID AGAINST EACH REQUIREMENT WHETHER THE BIDDER COMPLY OR DO NOT COMPLY WITH THE REQUIREMENT OF THE SPECIFICATION | | COMPLY | DO NOT COMPLY |
| 3.4.1 | <p>All internal walls must be at minimum 50mm thick and with insulation material with a minimum R-Value of 2. Contractor to supply Agrément certificate upon construction of the units.</p> <p>State: Insulation material and total thickness of wall.</p> | | |
| 3.4.2 | <p>Internal walls to be finished with at least 0.5 mm pre-painted Chromadek sheet or 10mm thick fibre cement panels, skimmed with painted finish (one coat primer with 2 coats of water-based wall paint) and manufacturer's warranty against rust and material failure for 10 years. Colours to be presented to the client for approval on site.</p> <p>Walls to be 2700mm high flush with the ceiling.</p> <p>State: Material specification to be used:</p> | | |
| 3.5 | <u>Roof:</u> | | |
| 3.5.1 | <p>A roof with an adequate slope must be fitted and supported as per the manufacturer's specifications. This slope must be of such a nature to handle rainwater. (Minimum slope of 10 degrees, Minimum overhang of 600 mm front and rear and 300mm on gable ends). Roof to be designed and certified by specialist. Contractor to supply compliance certificate for roof structure upon completion of a project.</p> <p>State: Type of roof and slope</p> | | |

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| STATE UNDER PARTICULARS OF BID AGAINST EACH REQUIREMENT WHETHER THE BIDDER COMPLY OR DO NOT COMPLY WITH THE REQUIREMENT OF THE SPECIFICATION | | COMPLY | DO NOT COMPLY |
| 3.5.2 | <p>The roof cover to be trapezoidal profile (ISO 9001:2015) fixed to the roof structure with a concealed fixing method with no screw penetrating through the roof sheeting. The fixing brackets to be hot dipped galvanized. The roof finish must be at least 0.5 mm pre-painted Chromadek sheet metal roofing on all sides of the sheet. The colour of the roof to be green to fit in with natural surroundings. Colour swatch to be presented and approved by client prior to manufacturing.</p> <p>State: Proposed material specification and colour code to be used:</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> | | |
| 3.5.3 | <p>The support structure / trusses must be hot dipped mild steel and must be treated against corrosion / moisture. The roof must be according to engineer specification and a certificate in this regard must be supplied upon completion of a project.</p> <p>The truss to consist of minimum 75mm x 50mm Mild steel lipped channel rafters and tie beam with 38mm x 38mm mild steel purlins. Trusses to be spaced maximum 900mm c/c.</p> <p>State: Proposed material specification to be used:</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> | | |

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|--|--|-----------------------|------------------|
| STATE UNDER PARTICULARS OF BID AGAINST EACH REQUIREMENT WHETHER THE BIDDER COMPLY OR DO NOT COMPLY WITH THE REQUIREMENT OF THE SPECIFICATION | | COMPLY | DO NOT COMPLY |
| 3.5.4 | <p>The roof shall be fitted with minimum 0,5mm x 75mm x 100mm sheet metal gutter with Chromadek finish on both ends of the roof. The gutter to be fitted with 4 x 75mm diameter downpipes.</p> <p>State: Proposed material specification to be used:</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> | | |
| 3.5.5 | <p>The roof shall be supplied and installed with all relevant flashings on the ends of the roof such as the gable ends and barge flashings.</p> | | |
| 3.5.6 | <p>The entire roof structure, including the ceiling, shall have a minimum R-Value as follow as per SANS10400 climatic zones:</p> <p>Zone 1: 3,7m².K/W</p> <p>Zone 2: 3,2m².K/W</p> <p>Zone 3: 2,7m².K/W</p> <p>Zone 4: 3,7 m².K/W</p> <p>Zone 5: 2,7m².K/W</p> <p>Zone 6: 3,5m².K/W</p> | | |
| 3.5.7 | <p>A ceiling must be provided with fire retardant and adhere to thermal insulation per zone classification as mentioned above, as per SANS10400 and 204.</p> <p>The ceiling height shall not be less than 2700mm from the internal finished floor level of the building/ structure.</p> <p>State: Insulation material, thickness</p> <p>.....</p> <p>.....</p> | | |

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| STATE UNDER PARTICULARS OF BID AGAINST EACH REQUIREMENT WHETHER THE BIDDER COMPLY OR DO NOT COMPLY WITH THE REQUIREMENT OF THE SPECIFICATION | | COMPLY | DO NOT COMPLY |
| 3.5.8 | <p>The finish on the room side of the ceiling must be 0.5 mm pre-painted Chromadek sheet, 12mm thick flush jointed gypsum ceiling board with 1 coat primer and 2 coats acrylic white paint or a polyurethane ceiling board adhering to thermal requirements.</p> <p>State: Specification for type of material and finish:</p> <p>.....</p> <p>.....</p> <p>.....</p> | | |
| 3.5.9 | <p>Allow for a minimum 500mm x 500mm access panel in the ceiling in order to access the services within the ceiling void. The access panel to be manufactured from the same material as the ceiling.</p> | | |
| | Roof Over Ramp: | | |

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| | STATE UNDER PARTICULARS OF BID AGAINST EACH REQUIREMENT WHETHER THE BIDDER COMPLY OR DO NOT COMPLY WITH THE REQUIREMENT OF THE SPECIFICATION | COMPLY | DO NOT COMPLY |
| 3.5.9 | <p>The length of the ramp to be supplied and installed with a roof. In cases where a ramp is not used the main entrance door to the unit will be covered with a roof of 1m x 1m. The slope of the roof must be minimum 5 degrees.</p> <p>The roof to consist of minimum 75mm x 50mm Mild steel lipped channel frame with 75mm x 50mm Mild steel cross beams every 900mm c/c with minimum 75mm x 50mm Mild steel rectangular posts spaced maximum 2000mm c/c. Roof covering to be minimum 0,5mm thick trapezoidal profile sheet metal roof with Chromadek finish.</p> <p>The roof to be fitted with a minimum 0,5mm x 100mm x 75mm sheet metal gutter with Chromadek finish with 75mm diameter downpipe</p> <p>Proposed roof specification:</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> | | |

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| STATE UNDER PARTICULARS OF BID AGAINST EACH REQUIREMENT WHETHER THE BIDDER COMPLY OR DO NOT COMPLY WITH THE REQUIREMENT OF THE SPECIFICATION | | COMPLY | DO NOT COMPLY |
| 3.5.10 | <p>The roof cover over the ramp to be trapezoidal profile (ISO 9001:2015) fixed to the roof structure with a concealed fixing method with no screw penetrating through the roof sheeting. The fixing brackets to be hot dipped galvanized. The roof finish must be at least 0.5 mm pre-painted Chromadek sheet metal roofing on all sides of the sheet. The colour of the roof to be green to fit in with natural surroundings. Colour swatch to be presented and approved by client prior to manufacturing.</p> <p>State: Proposed material specification and colour code to be used:</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> | | |
| 3.6 | <u>DOORS:</u> | | |
| 3.6.1 | <u>Single Doors</u> | | |
| 3.6.1.1 | <p>All single internal doors must be at least Meranti solid core doors with appropriate treatment as per manufacturer`s requirements against weather or of the same material as the internal and external wall construction and door frames to be rebated.</p> <p>State: Material of door</p> <p>.....</p> <p>.....</p> | | |

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| 3.6.1.2 | <p>All single external doors must be at least Meranti solid core doors with appropriate treatment as per manufacturer's requirements against weather or of the same material as the internal and external wall construction and door frames to be rebated.</p> <p>The main entrance door to the building shall have the same fire rating as the external walls of 30 minutes.</p> <p>State: Material of door</p> | | |
| 3.6.1.3 | <p>The sizes of the single doors must be that of a standard door (approximately 2125mm x 813mm). Solid rubber floor mounted door stops to be provided.</p> <p>State: Size of doors</p> | | |
| 3.6.1.4 | <p>All door frames to be manufactured from minimum 3mm thick natural anodised aluminium to fit the opening for the door.</p> | | |
| 3.6.1.5 | <p>All locks on doors to be at least 3 lever locks.</p> <p>State: Type of locks</p> | | |
| 3.6.1.6 | <p>All doors to be supplied with minimum 3 hinges, 1 x at the top of door, 1 x at the bottom of door and 1 x in the centre of the door.</p> | | |
| 3.6.1.7 | <p>All doors to be fitted with appropriate heavy-duty aluminium door handle and cover over lock.</p> | | |

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| 3.6.1.8 | All external door openings to be fitted with Galvanized mild steel burglar swing gates as per the attached annexure for burglar proofing. The swing gate to be supplied with heavy duty locking mechanism. | | |
| 3.6.2 | <u>Double Doors</u> | | |
| 3.6.2.1 | All double internal doors must be at least Meranti solid core door with appropriate treatment as per manufacturer's requirements or of the same material as the internal and external wall construction and door frames to be rebated. State: Material of door | | |
| 3.6.2.2 | All external doors must be at least Meranti solid core doors with appropriate treatment as per manufacturer's requirements against weather or of the same material as the internal and external wall construction and door frames to be rebated. The main entrance door to the building shall have the same fire rating as the external walls of 30 minutes. State: Material of door | | |
| 3.6.2.3 | The total sizes must be that of a standard double door (approximately 1500mm x 813mm). Solid rubber floor mounted door stops to be provided. State: Size of doors | | |

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