

BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

Section No. 1
Bill No. 1
PRELIMINARIES AND GENERAL

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

122 F:..... V:.....
T:.....

Item

OCCUPATIONAL HEALTH AND SAFETY ACT

123 The **contractor** shall comply with all the requirements
Occupational Health and Safety Act, 1993 (Act No 85 of

It is required of the **contractor** to thoroughly study the H
is deemed to be incorporated under this Section of the **bil**

The **contractor** must take note that compliance with the
Health and Safety Specification is compulsory. In the
notwithstanding the provisions of Clause A25.0 of Sector
issuing any progress **payment certificate** until the **cont**
shall not be entitled to any compensation of whatsoever

Provision for pricing of the Occupational Health and
Specification is made under this clause and it is explic
deemed to be priced hereunder and no additional claims

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Section No. 1
Bill No. 1
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	<p><u>EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP)</u> <u>INFRASTRUCTURE PROJECTS: NATIONAL YOUTH SERVICE (NYS)</u></p>			
125	<p>The contractor shall comply with all the requirements Training of Youth Workers on the Expanded Public Works Service (NYS)" as attached to these bills of quantities</p> <p>The contractor shall identify a minimum number of youth labour rates for a minimum period and train them, all as in these bills of quantities / lump sum document</p> <p>The contractor shall liaise and co-ordinate with the emp priority list, the selection of youth workers, and the employ</p> <p>The contractor shall avail the services of an adequately act as their construction supervisor. The foreman will be workers and for addressing questions and issues that ma</p> <p>Separate items which will be subject to remeasurement sum document to cover the direct costs associated with requirements in respect of the aforementioned specificatio this regard shall be entertained</p>			
126	<p>F:..... V:..... T:.....</p>	Item		
	<p style="text-align: center;">Carried to Collection</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES AND GENERAL</p>		R	

<u>IMPLEMENTATION OF LABOUR-INTENSIVE INFRASTRUCTURE PROJECTS UNDER THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP)</u>			
127	<p>The contractor shall comply with all the requirements Work for Special Public Works Programmes" issued in te of 1997)" and the related "Ministerial Determination", labour-intensive infrastructure project under the Expanded</p> <p>The contractor shall maintain daily records with regard report to the principal agent in the prescribed format. expenditure, number of job opportunities created, demog rate, number of person-days of employment created and all as defined in the "Guidelines for the Implementation Public Works Programme (EPWP)"</p> <p>Provision for pricing of compliance with the aforementioned requirements in respect of the aforementioned are deem shall be entertained</p>		
128	<p>F:..... V:..... T:.....</p> <p><i>Selected examples of typical clauses are provided to indicate ways of describing such clauses. Users must delete, adapt or add to these examples to suit their particular circumstances</i></p>	Item	
129	<p>Warranties for materials and workmanship</p> <p>Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the entity supplying the materials and/or executing the work and shall deliver same to the principal agent on final completion of the contract</p> <p>The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice to do so</p>		
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	<p>The warranty will not be enforced if the work is damaged by defects in the execution of the works, in which case the responsibility for replacement shall rest entirely with the contractor</p> <p>F:..... V:..... T:.....</p>			
130	<p>Overtime</p> <p>Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer</p> <p>F:..... V:.....T:.....</p>	Item		
131	<p>Cooperation of the contractor for cost management</p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget</p> <p>F:..... V:.....T:.....</p>	Item		
132	<p>Overloading</p> <p>The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense</p> <p>F:..... V:.....T:.....</p>	Item		
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133 Propping of floors below

The **contractor** is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of **materials and goods** and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the **principal agent** and the cost thereof shall be borne by the **contractor**

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Item

134 Testing of flat roof waterproofing for watertightness

Flat roof waterproof areas shall be flooded and kept "ponded" for at least forty eight (48) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing

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Item

User note

Insert the following where a health and safety specification is not yet available. Note that there is an obligation on the employer to ensure that the contractor has priced opposite this item for the compliance with the act and the regulations and the reasonable provisions of the health and safety specification

135 Health and safety

Without limiting the generality of the provisions of clause 2.0, the **contractor's** attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is specifically stated that the **employer** shall prepare a documented health and safety specification for the **works** and that the **employer** shall ensure that the **contractor** has made provision for the cost of health and safety measures during the execution of the **works**. The **contractor** shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [2.1]

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User note

Insert the following where a health and safety specification is available. Note that there is an obligation on the employer to ensure that the contractor has priced opposite this item for the compliance with the act and the regulations and the reasonable provisions of the health and safety specification

Health and safety

Without limiting the generality of the provisions of clause 2.0, the **contractor's** attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is specifically stated that the **employer** shall prepare a documented health and safety specification for the **works** (refer to Annexure ? for a copy of the relevant specification) and that the **employer** shall ensure that the **contractor** has made provision for the cost of health and safety measures during the execution of the **works**. The **contractor** shall price opposite this item for compliance with the act and the regulations and the provisions of the aforementioned health and safety specification [2.1]

The **contractor** shall:

1. Comply with the health and safety specification for the **works**
2. Prepare and agree with the health and safety consultant the health and safety plan for the **works**
3. Cooperate with the health and safety consultant in all respects
4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification
5. Conform to the conditions contained in the **employer's** health and safety specification

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136	<p>Green star building certification</p> <p><u>User note</u></p> <p><i>Insert the provisions called for by the relevant green star consultant should it be a requirement that the project be submitted for green star certification</i></p> <p>F:..... V:.....T:.....</p>	Item	
137	<p>Broad based black economic empowerment (BBBEE)</p> <p>Tenders submitted will be evaluated taking into account their empowerment rating</p> <p>The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works</p> <p>The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating</p> <p>F:..... V:.....T:.....</p>	Item	
138	<p>Advertising rights</p> <p>The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. The position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting his obligations under this agreement</p> <p>F:..... V:.....T:.....</p>	Item	
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139 Confidentiality

The **contractor** undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all **subcontractors** and suppliers. Such information shall not be used in any way except in connection with the execution of the **works**

No information regarding this project shall be published or disclosed without the prior written consent of the **employer**

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Item

140 Media releases

All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the **employer**

The **contractor** together with his **subcontractors** shall not, without the prior written consent of the **employer**, cause any statement or advertisement connected with this project to be printed, screened or aired by the media

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Item

SUMMARY OF CATEGORIES

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BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

Section No. 2
Bill No. 1
ALTERATIONS

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
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<u>Taking up and removing roof covering, etc and preparing the trusses for new coverings</u>				
3	Roof covering with pitch not exceeding 25 degrees.	m2	3 857	
4	Roof covering with pitch 45 degrees.	m2	133	
<u>Taking up and removing vinyl floor coverings, carpeting, etc and preparing the floor for new vinyl tiles</u>				
5	Carpeting floor covering including preparing screed for new ceramic tiles	m2	425	
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>				
6	1200 x 600 x 6mm " Nutec" fibre cement suspended ceiling panels on pre-painted exposed tees suspension system including main and cross tees, hangers, grids , etc	m2	233	
<u>Hacking up/off and remove ceramic tiles including mortar bed or adhesives from the concrete or brickwork and preparing the surface for new screed, plaster, tile finish etc</u>				
7	Tiles to floors	m2	553	
8	Tiles to walls	m2	100	
<u>Taking out and removing sundry joinery work</u>				
9	Timber skirtings from brickwork	m	113	
<u>Stripping off epoxy and prepare the floor for new screed and new epoxy finish (elsewhere measured)</u>				
10	To floors and slabs	m2	2 225	
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<u>Taking out and removing piping, sanitary fittings, etc, including cutting off as necessary, disconnecting piping from the fittings and prepare to receive new (Elsewhere measured)</u>				
11	Single bowl end sink	No	2	
12	Wash hand basins	No	4	
13	Stainless steel toilet	No	5	
14	Water closet suite complete	No	2	
<u>PREPARATORY WORK TO EXISTING SURFACES</u>				
15	Remove and replace worktop of 32mm thick post-formed chipboard with 1,2mm decorative plastic laminate on top, overall size 2300 x 600mm wide .	No	1	
16	Remove and replace worktop of 32mm thick post-formed chipboard with 1,2mm decorative plastic laminate on top, overall size 2300 x 600mm wide .	No	1	
<u>CLEANING AND UNBLOCKING OF EXISTING SEWER PIPES</u>				
<u>Money Provision:</u>				
17	Provide a sum of R500 000,00 (Five Hundred thousand rand) for cleaning and unblocking of existing drainage pipes not clearly defined at the time of tender for a period of 3 years		Item	500 000.00
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BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

Section No. 2
Bill No. 3
CEILING, PARTITIONS AND ACCESS FLOORING

Item
No

METALWORK

Tenderers are advised to study the Department of Public Works - Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill

Mild steel

- 1 Gate size 813 x 2032mm high fixed to inside of 1.6mm double rebated steel door frames, gate formed out of 50 x 50 x 2,5mm rectangular tubing mitred at 45 degrees at corners before welding with 50 x 25 x 2,5mm rectangular tubing horizontal sections with 15 x 15mm mild steel solid square bar vertical uprights at centres as indicated with lockset case and lock

Corner protectors

- | | |
|---|---|
| 2 | 100 x 75 x 8mm Angle section corner protectors in varying lengths with 20mm diameter bent lugs each 150mm girth welded on at 500mm centres, including embedding in concrete |
|---|---|

ROLLER SHUTTER DOOR

Section No. 2
Bill No. 4
METALWORK

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	<p><u>Galvanised mild steel roller shutter door for face mounting , compromising curtain of 1,6mm galvanised interlocking slats with double steel angle bottom bar rivetted to bottom slat and hung to slide in channel guides, hung on heavy steel spring barrel with adjustable oil tempted helical spring counter balance , cast iron barrel collar , tension rod , etc enclosed in 1,2mm sheet iron cover box concrete or brickwork with and including 2 NO padlock (refer to " Assa Abloy"-60mm 630/B190 five pin tumbler cylinder padlock) and door to have one coat factory applied base coat red-oxide primer (on site finish elsewhere measured)</u></p>				
3	<p>Gear operated slatted roller shutter for 2400 x 2210mm high opening with 685 x 1220mm high wicket gate</p>	No	4		
	<p><u>Money Provision:</u></p>				
4	<p>Provide a sum of R750 000,00 (Seven Hundred and Fifty Thousand Rands) for removing and replacing damaged entrance steel gate not clearly defined at the time of tender</p>		Item		750 000.00
	<p>Section No. 2 Bill No. 4 METALWORK</p>			R	

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TILING

Tenderers are advised to study the Department of Public Works - Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill

WALL TILING

200 x 200mm ceramic wall tiles (Prime Cost amount of R200,00/m2 including delivery to site and excluding VAT) fixed with adhesive to (plaster elsewhere) and flush pointed with ordinary grey portland cement grouting

1	On walls in patterns	m2	100
2	On narrow widths	m2	4
<u>FLOOR TILING</u>			
<u>330 x 330mm Ceramic floor tiles (PC R250.00/m2 VAT excl. delivered to site) fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted waterproof jointing compound</u>			
3	On floors	m2	978
4	100mm High cut skirting tiles	m	113

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TILING

Sundries

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	<u>BUILDING WORK</u>			
	<u>BILL NO 7</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<p><u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>Tenderers are advised to study the Department of Public Works - Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill</p> <p>-----</p>			
	<u>SANITARY FITTINGS</u>			
	<u>"Vaal"</u>			
1	<p>510 x 405mm Hibiscus White vitreous china lavatory basin (product code 7050) with two tapholes including integrated overflow and chainstay hole, bolted to wall with two 10mm bolts (product code 8448ZO). with Plumbing (Cobra 011 951-5000) Cobra Watertech 32mm Machine chrome plated slotted basin waste union (303). Plumbing (Cobra 011 951-5000) Cobra Watertech 15mm chrome plated pillar tap (Code: 505-21B/p-WS/6-nolime) with blue indice and elbow action lever, manufactured in accordance with SANS 226:2009 Type 2 (BS 5412). Cobra Watertech 15mm chrome plated pillar tap (Code: 505-21R/p-WS/6-nolime) with red indice and elbow action lever, manufactured in accordance with SANS 226:2009 Type 2 (BS 5412). Plumbing (Cobra 011 951-5000) COBRA 309-32 "anti-theft" plug Plumbing (Cobra 011 951-5000) COBRA 345/50 bottle trap, 50mm, pvc outlet. Plumbing (Cobra 011 951-5000) COBRA angle regulating valves – COBRA 832/350F</p>	No	4	
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2	Daisy White vitreous china semi close coupled washdown suite comprising 90° outlet open rim pan (product code 751400) and matching 9 litre front single flush cistern (product code 710532) including lid, fitments and flushpipe elbow, including lid and fitments with heavy duty seat.	No	2		
	<u>Franke or similar and approved</u>				
	Stainless steel for sinks, wash hand basins, wc's, etc shall be type 304 (18/8)				
3	Standard S2 double end bowl catering sink 1500 x 650mm with 150mm high integral splashback and stainless steel legs and adjustable foot pieces	No	1		
4	LDS Code 350960 drip sink size 600 x 500mm fitted with stainless steel hinged bucket grid secured to wall with four anchor bolts	No	1		
5	LDL Code 318600 wall mounted wash trough size 600 x 500 x 257mm deep fixed to wall with two galvanised mild steel Falcon brackets	No	1		
6	1,2mm Thick Model HDSSB325318 heavy duty security type surround basin size 390 x 320 x 250mm deep complete with outer casing and welded base plate	No	2		
7	1,2mm Thick Model 356185 heavy duty vandal proof wc pan size 485 x 390 x 435mm high with circular flushing rim and bowl, 38mm supply flush pipe and seven times bolted to wall and floor all in accordance with the manufacturers specifications	No	5		
8	Model ENF-359206 heavy duty recessed drinking fountain and wash hand basin size 350 x 465 x 175mm deep with 15mm self closing metering tap built into recess in wall with steel lugs	No	3		
	<u>TRAPS ETC</u>				
	<u>Marley or similar and approved</u>				
9	40mm Deep butyl rubber resealing "P" or "S" trap adjusted for double sink/trough	No	5		
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PLUMBING AND DRAINAGE					

"Cobra Watertech" or similar approved

TAPS, VALVES, ETC

Covers, etc

Item
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Section No. 2
Bill No. 8
PAINTWORK

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<u>One coat primer, one undercoat and two coats pure acrylic emulsion paint</u>				
1	On ceilings and beams	m2	1 165	
<u>One coat primer, one undercoat and two coats eggshell enamel paint</u>				
2	On internal walls	m2	3 938	
3	On ceilings	m2	274	
<u>One coat primer and Flowseal EPW AF anti fungal epoxy wall coating applied in accordance with manufacturer's instructions</u>				
4	On internal walls	m2	110	
<u>ON PLASTER BOARD</u>				
<u>One undercoat and two coats "Dura 50" acrylic emulsion paint</u>				
5	On ceilings	m2	56	
<u>ON METAL</u>				
<u>Spot priming defects in pre-painted surface with red oxide primer and applying one universal undercoat and two coats gloss enamel paint</u>				
6	On doors and frames	m2	2 541	
7	On roller shutters	m2	53	
8	On mesh screens and frames (both sidesmeasured)	m2	347	
9	On record room and strongroom doors and frames	m2	12	
10	On louvre doors and windows	m2	88	
11	On windows	m2	2 736	
12	On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	4 550	
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13	On stainless steel benches	m2	95
14	On brackets, rails,etc not exceeding 300mm girth	m	2 877
<u>ON WOOD</u>			
<u>One coat sanding sealer and two coats "Dura 50" acrylic emulsion on</u>			
15	Skirtings, cornices, rails, etc, not exceeding 300mm girth	m	93
<u>One coat wood primer, one universal undercoat and two coats alkyd enamel paint</u>			
16	On doors	m2	61
17	On shelves	m2	456
18	On general surfaces of fittings	m2	33
19	On slatted benches	m2	9
<u>One coat sanding sealer and three coats clear polyurethane matt varnish</u>			
20	On skirtings, rails, etc, not exceeding 300mm girth	m	1 267

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DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
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SECTION NO.3

MECHANICAL WORKS

BILL NO.1

MECHANICAL PRELIMINARY AND GENERAL

NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill

Tenderers are advised to study the Department of Public Works - Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill

Note: All items shall be priced for whatever cost may be consider necessary for Preliminary and General to carry out the Mechanical Installations in full, as detailed in the drawings, Specifications and Schedules, which shall include, but shall not be limited, to the following:

- | | | |
|---|---|------|
| 1 | Technical Submissions | Item |
| 2 | Transport | Item |
| 3 | Rigging & crantage | Item |
| 4 | Compliance With Health and Safety Regulations | Item |
| 5 | Attendance and contract manangement | Item |
| 6 | Training of user client | Item |
| 7 | Operating & Maintenance Manuals and As Built
.Drawings 3 sets(Hard & Soft Copies) | Item |
| 8 | Testing and Commissioning of the whole system | Item |
| 9 | Allow for the provision of electrical certificate of
compliance for all mechanical related work. | Item |

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Section No. 3
Bill No. 1
MECHANICAL GENERAL

**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE**

Item No		Quantity	Rate	Amount
	<u>SECTION NO.3</u>			
	<u>MECHANICAL WORKS</u>			
	<u>BILL NO. 2</u>			
	<u>KITCHEN</u>			
	NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
	Tenderers are advised to study the Department of Public Works - Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill			

	<u>KITCHEN EQUIPMENT THAT NEEDS MAJOR SERVICING, REPAIR AND 3 YEARS MAINTENANCE PLAN</u>			
	<u>135Lt Steam-Jacketed cooking pot</u>			
1	Check/repair all electrical connections and controls, generally clean the equipment ,check/repair the gasket seal, service/repair the insulations ,check/repair the valves, check/clean the element, check/repair all pipe connection for leaks. Service to be done nine(9) times in 3 years on 16 items .	No	144	
	<u>80Lt Electric tilting frying pan</u>			
2	Check/repair all electrical connections and controls, generally clean the equipment ,check/repair the gasket seal, service/repair the insulations ,check/repair the valves, check/clean the element, check/repair all pipe connection for leaks. Service to be done nine(9) times in 3 years on 8 items .	No	72	
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	Section No. 3 Bill No. 2 KITCHEN			

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>40 pan electric combi steamer</u>				
3	Check/repair all electrical connections and controls, generally clean the equipment(air, dust filters and exhaust vent), check/replace the seals, check/repair all pipe connections for any leaks, replace /tighten the loose screws, check/repair belts and valves for any signs of damage.Service to be done nine(9) times in 3 years on 4 items.	No	36	
<u>Band 'meat' cutting saw</u>				
4	Generally clean the equipment ,replace/tighten the loose screws, sharpen the blade/replace the blade, check/repair all the electrical connection and control and check the belt for any damages.Service to be done nine(9) times in 3 years on 3 items	No	27	
<u>Industrial 3 solid plate Hotel stoves</u>				
5	Check/repair all electrical connections and controls, service/repair all electric element.Generally clean the equipment.Repair/tighten all the loose screws.Service to be done nine(9) times in 3 years on 4 items	No	36	
<u>1100kg/h Floor standing mincer</u>				
6	Check/repair all electrical connections and controls. Balance and calibrate the scale.Generally clean the equipment.Service to be done nine(9) times in 3 years, on 2 items.	No	18	
<u>780mm Diamond potato peeler</u>				
7	Check/repair all electrical connections and controls. Generally clean the equipment.Check/repair the belt for any sign of damage. Replace/tighten the loose screws .Check/repair the door seal.Grease/oil the bearings.Service to be done nine(9) times in 3 years on 2 items .	No	18	
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KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

	<u>60Lt food mixing machine</u>			
8	Check/repair all electrical connections and controls. Generally clean the equipment(discharge gate and mix tub) .Check/repair all seals.Grease/oil all bearings. Check/repair belt and chain-and-sprocket for any signs of damage.Check/clean the intervets replace/tighten the loose screw.Service to be done nine(9) times in 3 years, on 2 items.	No	18	
	<u>8Lt EMPERO food processor 295 x 490 x 365mm high, 0.37kW, 220V, 1 Ph</u>			
9	Check/repair all electrical connections and controls. Generally clean the equipment.Check/repair the belt for any sign of damage.Repair/lubricate the blade Replace/tighten the loose screws. Grease/oil the bearings.Service to be done nine(9) times in 3 years on 4 items.	No	36	
	<u>Meat cold room size 3.6 x 3.9 x 2.4m high formed of 100mm thick walls and roof polystyrene and polystrene insulation including vapour barrier and granolithic floor finish and swing door c/w(hinged type) and c/w cubicoil 4-way blower and 3-way blower cooler</u>			
10	Calibrate the cold room temperature, clean the evaporator casing, all blowing fans and fins. check the control valves .check the reverse blowing ,check/replace the door hinges and handles .check all electrical components and control. check door seals ,check/replace compressor oil leakage.Service to be done nine(9) times in 3 years on 1 item.	No	9	
	<p style="text-align: center;">Carried to Collection</p> <p>Section No. 3 Bill No. 2 KITCHEN</p>			<p style="text-align: center;">R</p>

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

	<u>Vegetable cold room size 9.7 x 3.9 x 2.4m high formed of 100mm thick walls and roof of polystyrene and chromadek sandwich panels, floor 100mm thick polystyrene insulation including vapour barrier and 100mm thick reinforced concrete with 25mm Hardened granolithic floor finish and swing door complete ("slam on" hinge type) c/w 3-way blower compressors</u>			
11	Calibrate the cold room temperature, clean the evaporator casing, all blowing fans and fins. check the control valves .check the reverse blowing ,check/replace the door hinges and handles .check all electrical components and control. check door seals ,check/replace compressor oil leakage.Service to be done nine(9) times in 3 years on 1 item.	No	9	
	<u>7200 x 2000 x 700mm Steam hood/box type steam canopy fans axial flow extraction dia. 710/150/10/360 volts /3kW melanex</u>			
12	Check/repair all electrical connections and controls. Generally clean the equipment.Ventilation system to be cleaned . Replace/repair all the fans. Replace /tighten the loose screws . Replace/clean the filters.Service to be done nine(9) times in 3 years on 6 items.	No	54	
	<u>100kg platform scale</u>			
13	Check/repair all electrical connections and controls. Balance and calibrate the scale.Generally clean the equipment.Service to be done nine(9) times in 3 years on 6 items.	No	54	
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KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>1260L/hour Wap Powerstar Electric HPC 21/200</u> <u>E380V, 380 V, 200 bar</u>	
14	Repair all electrical connections and controls. Repair all pipes connections leaks . Repair/replace the pressure gauge.Replace/replace the belt for any damage and motors.Grease/oil the bearings.Replace/repair the water seals.Service to be done nine(9) times in 3 years on 2 items.
	No 18
<u>200 Rack advancing dish washer with inlet and outlet table, size 3000 x 780mm</u> <u>Check/rep</u>	
15	Check/repair all electrical connections and control. Generally clean the equipment . Check/repair belts for any sign of damage. Service/Repair the fans. check/repair any water leakage.Service/repair the rack-conveyor.Service to be done nine(9) times in 3 years on 1 item .
	No 9
<u>Floor drain(inside kitchen)</u>	
16	Generally clean the floor drain(Scrape off the floor drain's baffles,sides and lid).Service to be done nine(9) times in 3 years on 7 items.
	No 63
<u>12000btu (3.6kW) DX midwall split unit of R410a</u>	
17	Check gas leaks clean filters. check/clean drip tray and drain pipes. check electrical connections and controls replace refrigeration pipes armarflex insulation, generally clean equipment.Regas unit with refrigerant.Service to be done twelve(12) times in 3 years on 2 items.
	No 24

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 KITCHEN

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KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

	<u>Grease trap chamber size 1500 x 800 x 750mm deep internally, built with one brick walls on and including 150mm thick reinforced concrete bottom slab</u>			
18	Service/repair the pumps.Generally clean the grease traps(Scrape off the trap's baffles, sides and lid). Vacuum out all the lingering FOG's.Dispose the collected fats, oil and grease.Service to be done nine(9) times in 3 years on 2 items.	No	18	
	<u>13mm Bread slicer</u>			
19	Generally clean the equipment, replace/tighten the loose screws, sharpen the blade/replace the blade, check/repair all the electrical connection and controls . Check the belt for any damages.Service to be done nine(9) times in 3 years on 4 items.	No	36	
	<u>Meat freezer room size 3.6 x 5.7 x 2.4m high formed of 100mm thick walls and roof of polystyrene and chromadek sandwich panels, floor 100mm thick polystyrene insulation with vapour barrier and 100mm thick reinforced concrete with 25mm hardened granolithic floor finish and swing door complete ("slam on" hinged type) c/w 3-way blower Compressors</u>			
20	Calibrate the freezer room temperature,clean the evaporator casing, all blowing fans and fins, check the control valves, check the reverse blowing,check/replace the door hinges and handles, check all electrical components and control ,check door seals and check/replace compressor oil leakage.Service to be done nine(9) times in 3 years on 4 items.	No	36	
	<u>840 x 610mm Mobile crockery rack</u>			
21	Replace/tighten the loose screws. Generally clean and paint the rack .Repair/replace the wheels.Service to be done six(6) times in 3 years on 20 items.	No	120	
	<u>Kitchen Equipment that needs to be replace</u>			
22	<u>135Lt Steam-Jacketed cooking pot</u>	No	16	
Carried to Collection				
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KITCHEN				

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

23	<u>80Lt Electric tilting frying pan</u>	No	3		
24	1000 x 850mm Heavy duty electrical range with oven	No	1		
25	<u>Band 'meat' cutting saw</u>	No	1		
26	<u>industrial 3 solid plate Hotel stoves</u>	No	2		
27	<u>1100kg/h Floor standing mincer</u>	No	2		
28	<u>780mm Diamond potato peeler</u>	No	2		
29	<u>60Lt food mixing machine</u>	No	2		
30	<u>8Lt EMPERO food processor 295 x 490 x 365mm high, 0.37kW, 220V, 1 Ph</u>	No	4		
31	<u>7200 x 2000 x 700mm Steam hood/box type steam canopy fans axial flow extraction dia. 710/150/10/360 volts /3kW melanex</u>	No	3		
32	<u>10kg Electronic scale</u>	No	4		
33	1260Lt/hour Wap Electra 18/48 380V, 200 bar	No	2		
34	200 Rack advancing dish washer with inlet and outlet table, size 3000 x 780mm	No	1		
35	Floor drain(inside kitchen)	No	7		
36	12000btu (3.6kW) DX midwall split of R410a	No	2		
37	Grease trap chamber size 1500 x 800 x 750mm deep internally, built with one brick walls on and including 150mm thick reinforced concrete bottom slab	No	2		
38	13mm Bread slicer	No	1		
39	Steam jacketed pot integrating test	No	1		
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Carried to Collection					
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KITCHEN					

**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE**

Section No. 3

Bill No. 2

KITCHEN

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Section No. 3

Bill No. 2

KITCHEN

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

Item No		Quantity	Rate	Amount
	<u>SECTION NO.3</u>			
	<u>MECHANICAL WORKS</u>			
	<u>BILL NO. 3</u>			
	<u>BAKERY</u>			
	<p><u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>Tenderers are advised to study the Department of Public Works - Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill</p>			

	<u>Bakery Equipment that needs major servicing,repair and 3 years maintenance plan</u>			
	<u>13 mm Bread slicer</u>			
1	Generally clean the equipment, replace/tighten the loose screws, sharpen the blade/replace the blade,check/repair all the electrical connection and controls. Check the belt for any damages.Service to be done nine(9) times in 3 years on 2 items .	No	18	
	<u>Provers 2.63 kW,1 ph,177 kg</u>			
2	Check/repair all electrical connections and controls , check/repair door and gasket seals, check/replace the belts,valves,dampers, and actuator for any signs of damage , generally clean the equipment ,check/replace fire sensors, check/repair fans/blowers c/w filters, check/repairs all pipes connections for any leaks. Check/replace all orifice plates, air-gas mixer, flow indicators, meters and gauges.Service to be done nine(9) times in 3 years on 2 items.	No	18	
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	Section No. 3			
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	BAKERY AND TEXTILE			

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>Statust mini Molder, 380 V, 50 Hz, 3 ph</u>			
3	Check/repair all electrical connections and controls.Generally clean the equipment. Check/replace all belts and chains for any signs of damage.Replace/Tighten all loose screws . Grease/oil all bearings Check/replace gasket seals.Service to be done nine(9) times in 3 years on 3 items.	No	27
<u>SM 120kg spiral dough mixer, 9 kW, 380 V, 3ph</u>			
4	Check/repair all electrical connections and controls .Generally clean the equipment(discharge gate and mix tub).Check/repair all seals.Grease/oil all bearings Check/repair belt and chain-and-sprocket for any signs of damage.Check/clean the intervents replace/tighten all loose screws. Service to be done nine(9) times in 3 years on 2 items.	No	18
<u>60Lt Cake mixer, 4 kW, 220 V</u>			
5	Check/repair all electrical connections and controls. Generally clean the equipment(discharge gate and mix tub). Check/repair all seals. Grease/oil all bearings Check/repair belt and chain-and-sprocket for any signs of damage .Check/clean the intervents replace/tighten the loose screw.Service to be done six(6) times in 3 years on 1 item.	No	6
<u>Macadams 4/30 Bun Divider - 30 pieced (40-120 g). 0.55 kW</u>			
6	Check/repair all electrical connections and controls.Generally clean the department. Replace/tighten all loose screws .Grease/oil all bearings .Check/replace belt for any damaged . Check/replace the turning lathe.Servicing to be done nine(9) times in 3 years on 1 item.	No	9
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Section No. 3 Bill No. 3 BAKERY AND TEXTILE			

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>Slimline Electrical 120 Rotary rack oven including canopy, 47 kW, 380 V, 3 ph</u>			
7	Check/repair all electrical connections and controls .Generally clean the equipment .Check/replace the seals .Ventilation system to be cleaned .Check/repair all pipe connections for any leaks .Replace /tighten the loose screws.Service to be done twelve(12) times in 3 years on 2 items.	No	24
<u>D20 Hydraulic divider, 3.5 amp, 3 ph</u>			
8	Check/repair all electrical connections and controls .Generally clean the department. Replace/tighten all loose screws .Grease/oil all bearings .Check/replace belt for any damaged .Check/replace the turning lathe.Service to be done twelve(12) times in 3 years on 2 items.	No	24
<u>10kg Electric scale</u>			
9	Check/repair all electrical connections and controls. Balance and calibrate the scale. Generally clean the equipment.Service to be done nine(9) times in 3 years on 1 item.	No	9
<u>250L Geyser</u>			
10	Repair all electrical connections and control. Check/replace the pressure valve Repair all pipe connections for any leaks .Replace the electric element, replace the anode rod .Generally clean the equipment.Service to be done six(6) times in 3 years on 1 item.	No	6
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Section No. 3 Bill No. 3 BAKERY AND TEXTILE			

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>Extraction fan alstom 3ph induction 3kW</u>				
11	Clean dust from fan housing , grease/oil fan bearing , check/repair fan impeller, check electrical connections and controls.Service to be done nine(9) times in 3 years on 1 item.	No	9	
<u>12 000 btu (3.6kW) DX midwall split unit</u>				
12	Check gas leaks clean filters,check/clean drip tray and drain pipes, check electrical connections and controls, replace refrigeration pipes armarflex ,insulation, generally clean equipment.Regas unit with refrigerant.Service to be done twelve(12) times in 3 years on 1 item.	No	12	
<u>General cold room size 6.1 x3.7 x3.4m high formed of 100mm thick walls and roof of polystyrene and 100mm thick reinforced concrete with 25mm hardened granolithic floor finish and swing door (hinged type) compressor. Replacing compressor only</u>				
13	Calibrate the cold room temperature,clean the evaporator casing, all blowing fans and fins check the control valves,check the reverse blowing,check/replace the door hinges and handles, check all electrical components and control ,check door seals,check/replace compressor oil leakage.Replacing compressor only . Service to be done nine(9) times in 3 years on 1 item.	No	9	
<u>Loading dock lift</u>				
14	Repair/replace the springs/hydraulic shock.Repair/replace the release ring.Service to be done three(3) times in 3 years on 1 item.	No	3	
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Section No. 3 Bill No. 3 BAKERY AND TEXTILE				

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>Compressor plantroom c/w 2x 15kW,8.5bar compressors, 1x 1000cubic meter tank</u>				
15	Inspect blow down muffler ,check/replace pressure relief valve ,check/replace oil, oil filter and O-rings ,check/replace air filter. generally clean the equipment ,check/repair air and oil leaks, check/replace belt tension, cracks or signs of wear check hose and PTFE tubes.Drain water from air receiver.Check/replace gauges.Service to be done nine(9) times in 3 years on 1 item.	No	9	
<u>Bakery Equipment that needs replaced</u>				
16	Stainless steel two-rack two-door prover side by side	No	1	
17	D20 Hydraulic divider, 3.5 amp, 3 ph	No	2	
18	250L Geyser	No	1	
19	Extraction fan alstom 3ph induction 3kW	No	1	
20	12 000 btu (3.6kW) DX midwall split unit of R410a	No	1	
21	General cold room size 6.1 x3.7 x3.4m high formed of 100mm thick walls and roof of polystyrene and 100mm thick reinforced concrete with 25mm hardened	No	1	
Carried to Collection				
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**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE**

Section No. 3

Bill No. 3

BAKERY AND TEXTILE

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Section No. 3

Bill No. 3

BAKERY AND TEXTILE

BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

Section No. 3
Bill No. 4
LAUNDRY

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>Speed queen tumble dryer x 12kg</u>				
3	Check all electrical connections and controls. Clean/replace vent hose, generally clean the equipment, check belts for signs of damaged , clean the condenser dryer ,check/replace lint filters and check/replace door seal.Service to be done nine(9) times in 3 years on 1 item.	No	9	
<u>GIRBAU PS - 5132, iron roller press industrial</u>				
4	Check/replace the valves clean soleplate,check/repair electrical connection and control.Check/repair connections for leakage. Generally clean the equipment.Service to be done nine(9) times in 3 years on 2 items.	No	18	
<u>FORENTA, iron steam press industrial</u>				
5	Check/replace anit-calc valve clean soleplate, check/repair electrical connection and control. Check/repair gas connection for leakage.Service to be done nine(9) times in 3 years on 5 items.	No	45	
<u>Ingersol Rand Compressor, (200Litre) for air supply to steam press irons</u>				
6	Check/replace all valves and belts for any sign damage, check/replace oil, oil filter, air filters and O-rings, generally clean the equipment, check/repair air and oil leaks .Check/repair compressor pump and gauges.Check/tighten all loose screws. Grease/oil all bearings. Check/repair the motors.Service to be done six(6) times in 3 years on 1 item.	No	6	
<u>18 000 btu (5.4kW) DX split Cassette unit in the office</u>				
7	Check/repair gas leaks clean filters,check/clean drip tray and drain pipes ,check/repair electrical connections and controls ,replace refrigeration pipes armarflex, insulation ,generally clean equipment. Regas unit with refrigerant.Service to be done twelve(12) times in 3 years on 3 items	No	36	
Carried to Collection				
Section No. 3 Bill No. 4 LAUNDRY				R

Laundry Equipment that needs to be replaced

Section No. 3
Bill No. 4
LAUNDRY

R

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

Section No. 3

Bill No. 4

LAUNDRY

COLLECTION

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Section No. 3

Bill No. 4

LAUNDRY

Item No	Quantity	Rate	Amount
<p><u>SECTION NO.3</u></p> <p><u>MECHANICAL WORKS</u></p> <p><u>BILL NO. 5</u></p> <p><u>PAROLE BOARD, MULTI-PURPOSE HALL, TRANSPORT SECTION AND SUPPLY CHAIN EQUIPMENT</u></p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>Tenderers are advised to study the Department of Public Works - Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill</p> <p>-----</p> <p><u>Parole board, multi-purpose hall,transport section, supply chain and facultyof education equipment that needs major service,repair and 3 years maintenance plan</u></p> <p><u>12 000 btu (3.6kW) Floor standing DX split unit</u></p> <p>1 Check gas leaks clean filters,check/clean drip tray and drain pipes, check electrical connections and controls, replace refrigeration pipes armarflex. Insulation. Generally clean equipment .Regas unit with refrigerant.Service to be done twelve(12) times in 3 years on 15 items.</p>			
	No	180	
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 3 Bill No. 5 PAROLE BOARD, MULTI PURPOSE HALL , TRANSP</p>			<p style="text-align: center;">R</p>

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>18000 btu (5.4kW) Cassette DX split unit</u>				
2	Check gas leaks clean filters ,check/clean drip tray and drain pipes , check electrical connections and controls, replace refrigeration pipes armarflex .Insulation. Generally clean equipment. Regas unit with refrigerant.Service to be done twelve(12) times in 3 years on 18 items.	No	216	
<u>0.8 cubic meter/min rotary screw compressor c/w 20mm line pressure regulator, filter condensate drain and 25mm line pressure regulator, condensate drain for 2.4sqm/min</u>				
3	Inspect blowdown muffler ,check/replace pressure relief valve , check/replace oil, oil filter and O-rings ,check/replace air filter.generally clean the equipment ,check/repair air and oil leaks.check/replace belt tension,cracks or signs of wear.check hose and PTFE tubes .Drain water from air receiver ,check/replace gauges.Service to be done six(6) times in 3 years on 1 item.	No	6	
<u>Bulk Store freezer room size 5.6 x 9.3 x 2.4m high formed of 150mm walls and roof of polystyrene and chromadek insulation with vapour barrier and 100mm thick reinforced with 25mm hardened granolithic floor finish and swing door (hinge type) c/w 3-cubicoil blower compressor</u>				
4	Calibrate the freezer room temperature, clean the evaporator casing, all blowing fans and fins,check the control valves, check the reverse blowing,check/replace the door hinges and handles, check all electrical components and control , check door seals and check/replace compressor oil leakage.Service to be done six(6) times in 3 years on 1 item.	No	6	
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PAROLE BOARD, MULTI PURPOSE HALL , TRANSP				

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

	<u>Bulk Store cold room size 5.7 x 9.4 x 2.4m high formed of 100mm walls and roof of polystyrene and chromadek insulation with vapour barrier and 100mm thick reinforced with 25mm hardened granolithic floor finish and swing door (hinge type) c/w 3-cubicoil blower compressor</u>			
5	Calibrate the cold room temperature, clean the evaporator casing, all blowing fans and fins, check the control valves , check the reverse blowing, check/replace the door hinges and handles , check all electrical components and control , check door seals and check/replace compressor oil leakage. Service to be done six(6) times in 3 years on 1 items.	No	6	
	<u>4000 l/s @300pa roof mounted fans</u>			
6	Grease/oil fan bearing , check/repair fan impeller, check electrical connections and controls. Service to be done six(6) times in 3 years on 4 items.	No	24	
	<u>Parole board, multi-purpose hall, transport section, supply chain faculty of education equipment that needs to be replaced</u>			
7	18 000 btu (5.4kW) Cassette DX split unit of R410a	No	18	
8	Bulk Store freezer room size 5.6 x 9.3 x 2.4m high formed of 150mm walls and roof of polystyrene and chromadek insulation with vapour barrier and 100mm thick reinforced with 25mm hardened granolithic floor finish and swing door (hinge type) c/w 3-cubicoil blower compressor(replace blowers)	No	2	
9	18 000 btu (5.4kW) DX split Cassette unit compressor	No	4	
10	12 000 btu (3.6kW) Floor standing DX split unit compressors	No	4	
Carried to Collection				
Section No. 3				
Bill No. 5				
PAROLE BOARD, MULTI PURPOSE HALL , TRANSP				

**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE**

Section No. 3

Bill No. 5

PAROLE BOARD, MULTI PURPOSE HALL , TRANSPORT SECTION AND SUPPLY

COLLECTION

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Section No. 3

Bill No. 5

PAROLE BOARD, MULTI PURPOSE HALL , TRANSPOR

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**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE**

Item No		Quantity	Rate	Amount
	<u>SECTION NO.3</u>			
	<u>MECHANICAL WORKS</u>			
	<u>BILL NO. 6</u>			
	<u>CELL BLOCK K1-K2</u>			
	<p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>Tenderers are advised to study the Department of Public Works - Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill</p>			

	<u>Cell Blocks K1-K2 equipment that needs major service, reapiir and 3 years maintenance plan</u>			
	<u>12000 btu (3.6kW) Floor standing DX split-unit</u>			
1	Check gas leaks clean filters,check/clean drip tray and drain pipes, check electrical connections and controls, replace refrigeration pipes armarflex. Insulation. Generally clean equipment.Regas unit with refrigerant.Service to be done twelve(12) times in 3 years on 5 items.	No	60	
	<u>Wall mounted fans 50L/s@50Pa</u>			
2	Clean dust from fan housing , grease/oil fan bearing, check/repair fan impeller.check electrical connections and controls.Service to be done nine(9) times in 3 years on 7 items.	No	63	
	Carried to Collection			
	Section No. 3			
	Bill No. 6			
	CELL BLOCKS K1-K2			

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
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BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>Roof fans 800L/s @ 100Pa</u>				
3	Clean dust from fan housing, grease/oil fan bearing, check/repair fan impeller.check electrical connections and controls.Servicing to be done six(6) times in 3 years on 25 items.	No	150	
<u>Dishwasher</u>				
4	Check/repair spray arm, check /repair float switch. check door gasket and leaks.check electrical connections and controls.check the motor.Service to be done nine(9) times in 3 years on 8 items.	No	72	
<u>9000 btu (2.6 kW) Midwall DX split unit</u>				
5	Check gas leaks clean filters, check/clean drip tray and drain pipes , check electrical connections and controls, replace refrigeration pipes armarflex. Insulation. generally clean equipment and Regas unit with refrigerant.Service to be done nine(9) times in 3 years on 8 items.	No	96	
<u>Mechanical ventilation(Clean existing duct)</u>				
6	Mechanical ventilation(Clean existing duct).Service to be done six(6) times in 3 years on 15 items.	m2	90	
<u>Clean 1200x1200x600mm steam hood type</u>				
7	Check/repair all electrical connections and controls. Generally clean the equipment. Ventilation system to be cleaned. Replace/repair all the fans .Replace /tighten the loose screws. Replace/clean the filters.Service to be done six(6) times in 3 years on 2 items.	No	12	
<u>Cell blocks K1-K12 equipment that needs to be replaced</u>				
8	12000 btu (3.6 kW) Floor standing units of R410a	No	7	
Carried to Collection				R
Section No. 3				
Bill No. 6				
CELL BLOCKS K1-K2				

9	Wall mounted fans 50L/s@50Pa	No	5
10	Roof fans 800L/s @ 100Pa	No	5
11	Dishwasher	No	4
12	9000 btu (2.6 kW) DX Midwall split unit of R410a	No	6
13	Mechanical ventilation	m2	15
Carried to Collection			
Section No. 3 Bill No. 6 CELL BLOCKS K1-K2			

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

Section No. 3

Bill No. 6

CELL BLOCKS K1-K2

COLLECTION

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Bill No. 6

CELL BLOCKS K1-K2

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KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

Item No		Quantity	Rate	Amount
	<u>SECTION NO.3</u>			
	<u>MECHANICAL WORKS</u>			
	<u>BILL NO. 7</u>			
	<u>CELL BLOCK O</u>			
	NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
	Tenderers are advised to study the Department of Public Works - Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill			

	<u>Block O and F equipment that needs major service, repair and 3 years maintenance plan</u>			
	<u>Roof fans 4000L/s @100Pa</u>			
1	Grease/oil fan bearing check/repair fan impeller.check electrical connections and controls.Service to be done nine(9) times in 3 years on 8 items.	No	72	
	<u>18000 btu (5.4kw) Cassette DX split unit</u>			
2	Check gas leaks clean filters.check/clean drip tray and drain pipes, check electrical connections and controls ,replace refrigeration pipes armarflex . Insulation and generally clean equipment.Regas unit with refrigerant.Service to be done twelve(12) times in 3 years on 2 items.	No	24	
	Carried to Collection			
	Section No. 3			
	Bill No. 7			
	BLOCK O & F			

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>2.7cubic meter/min rotary screw compressors 15kW and 8,5bar ,and 2x 1000 cubic meter tanks</u>				
3	Inspect blowdown muffler ,check/replace pressure relief valve, check/replace oil, oil filter and Orings.check/replace air filter.generally clean the equipment, check/repair air and oil leaks.check/replace belt tension,cracks or signs of wear ,check hose and PTFE tubes.Drain water from air receiver.Check/replace gauges.Service to be done six(6) times in 3 years on 1 item .	No	6	
<u>3800 x 1800 x 700mm galvanised mild steel welding canopy c/w 5 dampers and 650mm axial fan at 300Pa</u>				
4	Clean dust from fan housing ,grease/oil fan bearing, check/repair fan impeller.check electrical connections and controls. check and clean filters.check the welding canopy and check dampers.Service to be done six(6) times in 3 years on 1 item.	No	6	
<u>1.8cubic meter/min rotary screew compressor, 1 cubic meter receiver and 3.6 cubic meter/ min refrigerated air dryer</u>				
5	Inspect blowdown muffler, check/replace pressure relief valve , check/replace oil, oil filter and O-rings ,check/replace air filter.generally clean the equipment ,check/repair air and oil leaks.check/replace belt tension,cracks or signs of wear check hose and PTFE tubes.Drain water from air receiver.Service to be done six(6) times in 3 years on 1 item .	No	6	
<u>Blocks O and F equipment that needs to be replaced</u>				
6	18 000 btu (5.4kW) Cassette DX split unit of R410a	No	7	
Carried to Collection				R
Section No. 3 Bill No. 7 BLOCK O & F				

**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE**

Item No		Quantity	Rate	Amount
	<u>SECTION NO.3</u>			
	<u>MECHANICAL WORKS</u>			
	<u>BILL NO. 8</u>			
	<u>HOSPITAL</u>			
	<p><u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>Tenderers are advised to study the Department of Public Works - Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill</p>			

	<u>Hospital equipment that needs major service, repair and 3 years maintenance plan</u>			
	<u>18 000 btu (5.4kW) Cassette DX split unit</u>			
1	Check gas leaks clean filters. check/clean drip tray and drain pipes. check electrical connections and controls. replace refrigeration pipes armarflex. Insulation. generally clean equipment.Regas unit with refrigerant.Service to be done twelve(12) times in 3 years on 6 items.	No	72	
	<u>Supply diffuser to be cleaned</u>			
2	Supply diffuser to be cleaned.Service to be done twelve(12) times in 3 years on 8 items.	No	96	
	Carried to Collection			R
	Section No. 3			
	Bill No. 8			
	HOSPITAL			

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>12 000 btu (3.6kW) DX Midwall split unit</u>				
3	Check/clean drip tray and drain pipes,check electrical connections and controls, replace refrigeration pipes armarflex . Insulation. Generally clean equipment.Regas unit with refrigerant.Service to be done twelve(12) times in 3 years on 5 items.	No	60	
<u>Disc valves</u>				
4	Disc Valves.Service to be done six(6) times in 3 years on each 8 items.	No	48	
<u>1730L/s @400Pa and 2200L/s @ 700Pa motor</u>				
5	Clean dust from fan housing, grease/oil fan bearing, check/repair fan impeller. check electrical connections and controls, check and clean filters.Service to be done six(6) times in 3 years on 2 items.	No	12	
<u>Medical gas plantroom c/w 10x10 Oxygen bank, 2x2 scavenger bank and wall mounted, medical gas panel</u>				
6	Check/repair the manifold velves.Check/repair manifold/system for any gas leaks.Check/repair medical gas panel .Check the level of the gas bottles and replace the empty .Service to be done nine(9) times in 3 years on 1 item.	No	9	
<u>Medical vaccum plantroom c/w 2x 26L/s @68kPa vacuum pumps coupled with 3p electric motors and 1600L pressure tank c/w vacuum switches,pressure regulating valves,shut- off,brackets and mufflers</u>				
7	Check/replace the filters.Check/repair the belts and mechanical connections.Check/top up the oil level. Check/unblock the drains.Check/repair all electrical connections and control generally clean the equipments. Check/replace the valves and rings.Check/Fix the voltage and amerage of the electrical motor.Check the room condition(cooling/ventilation system) . Check for any gas leaks. Service to be done nine(9) times in 3 years on 1 item.	No	9	
Carried to Collection				
Section No. 3 Bill No. 8 HOSPITAL				R

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**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE**

Section No. 3

Bill No. 8

HOSPITAL

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Bill No. 8

HOSPITAL

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SECTION NO.3

MECHANICAL WORKS

BILL NO. 9

MAIN ADMIN BLOCK

NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill

Tenderers are advised to study the Department of Public Works - Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill

Main Admin Block equipment that needs major service, repair and 3 years maintenance plan

12 000 BTU (3.6kW) Floor standing DX split unit

- | | |
|---|---|
| 1 | Check gas leaks clean filters. Check/clean drip tray and drain pipes, check electrical connections and controls ,replace refrigeration pipes armarflex.Insulation. Generally clean equipment.Regas unit with refrigerant.Service to be done twelve(12) times in 3 years on 21 items |
|---|---|

No	252
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18 000 Btu (5.4kW) Cassette DX split uni

- | | |
|---|--|
| 2 | Check gas leaks clean filters .check/clean drip tray and drain pipes. check electrical connections and controls replace refrigeration pipes armflex .Insulation. generally clean equipment . Regas unit with refrigerant.Service to be done twelve(12) times in 3 years on 10 items. |
|---|--|

No	120
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Section No. 3
Bill No. 9
MAIN ADMIN BLOCK

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>12 000 btu (3.6kW) DX Midwall split unit</u>				
3	Check gas leaks clean filters .check/clean drip tray and drain pipes . check electrical connections and controls replace refrigeration pipes armarflex .Insulation. generally clean equipment . Regas unit with refrigerant.Service to be done twelve(12) times in 3 years on 7 items.	No	84	
<u>Inline tube fan 50L/s @100Pa</u>				
4	Check gas leaks and clean filters. check/clean drip tray and drain pipes. check electrical connections and controls .replace refrigeration pipes armarflex. Insulation. generally clean equipment.Regas unit with refrigerant.Service to be done six(6) times in 3 years on 4 items.	No	24	
<u>Diffusers to be cleaned</u>				
5	Diffusers to be cleaned.Service to be done three(3) times in 3 years on 26 items.	No	78	
<u>Duct</u>				
6	Duct to be cleaned/flushed.Service to be done three(3) times in 3 years on 16 items.	m2	48	
<u>1.5kg/hr Dehumidifier mounted on mild steel wall frame</u>				
7	Clean dust from fan housing. grease/oil fan bearing. check/repair fan impeller. check electrical connections and controls check and clean filters.Service to be done six(6) times in 3 years on 6 items.	No	36	
<u>Main Admin block equipment that needs to be replaced</u>				
8	12 000 btu (3.6kW) Floor standing DX split unit of R410a	No	13	
Carried to Collection				R
Section No. 3				
Bill No. 9				
MAIN ADMIN BLOCK				

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
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BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

9	18 000 btu (5.4kW) Cassette DX split unit of R410a	No	5		
10	9000 btu (2.6kW) DX Midwall split unit of R410a	No	5		

Carried to Collection

Section No. 3
 Bill No. 9
 MAIN ADMIN BLOCK

R

**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
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MAIN ADMIN BLOCK

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Bill No. 9

MAIN ADMIN BLOCK

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**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE**

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KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
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BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

Item No		Quantity	Rate	Amount
	<u>SECTION NO 4</u>			
	<u>ELECTRICAL WORKS</u>			
	<u>BILL NO. 1</u>			
	<u>SMALL POWER AND LIGHTING INSTALLATION</u>			
	<p><u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>Tenderers are advised to study the Department of Public Works - Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill</p>			

	<u>Distribution Boards</u>			
	To comply with SANS 10142-1			
	<u>Replace only when damaged DB Board without equipment as specified</u>			
1	Material	No	15	
2	Labour	No	15	
	<p><u>Replace only when damaged, install and connect circuit breaker on DB board as indicated or instructed by Engineer.</u></p> <p><u>200A triple pole circuit breaker, 5kA</u></p>			
3	Material	No	20	
	Carried to Collection			R
	Section No. 4			
	Bill No. 1			
	SMALL POWER AND LIGHTING INSTALLATION			

BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

Section No. 4
Bill No. 1
SMALL POWER AND LIGHTING INSTALLATION

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

	<u>50A single pole circuit breaker, 5kA</u>				
15	Material	No	35		
16	Labour	No	35		
	<u>40A single pole circuit breaker, 5kA</u>				
17	Material	No	42		
18	Labour	No	42		
	<u>30A single pole circuit breaker, 5kA</u>				
19	Material	No	44		
20	Labour	No	44		
	<u>25A single pole circuit breaker, 5kA</u>				
21	Material	No	47		
22	Labour	No	47		
	<u>20A Single pole circuit breaker, 5kA</u>				
23	Material	No	52		
24	Labour	No	52		
	<u>15A Single pole circuit breaker, 5kA</u>				
25	Material	No	55		
Carried to Collection				R	
Section No. 4					
Bill No. 1					
SMALL POWER AND LIGHTING INSTALLATION*					

**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE**

26	Labour	No	55		
	<u>10A single pole circuit breaker, 5kA</u>				
27	Material	No	75		
28	Labour	No	75		
	<u>Complete Spare openings filled with dummy breakers, as specified</u>				
29	Material	No	105		
30	Labour	No	105		
	<u>Complete supply and installation surge arrestors in each electrical distribution board, as specified</u>				
31	Material	No	50		
32	Labour	No	50		
	<u>Conduit</u>				
	<u>PVC conduits cast in concrete, chased into brickwall or Ceiling void</u>				
	<u>20mmØ</u>				
33	Material	m	1 800		
34	Labour	m	1 800		
	<u>25mmØ</u>				
35	Material	m	1 900		
Carried to Collection				R	
Section No. 4					
Bill No. 1					
SMALL POWER AND LIGHTING INSTALLATION					

36	Labour	m	1 900
	<u>32mmØ</u>		
37	Material	m	1 800
38	Labour	m	1 800
	<u>Terminations onto conduit boxes or DB's</u>		
	<u>20mm PVC</u>		
39	Material	m	20
40	Labour	m	20
	<u>25mm PVC</u>		
41	Material	m	20
42	Labour	m	20
	<u>Supply and installation of 60mm Dia round 1-4 way ceiling boxes including connection of conduit and extension rings</u>		
	<u>20mmØ</u>		
43	Material	No	36
44	Labour	No	36
	<u>25mmØ</u>		
45	Material	No	36
Carried to Collection			
Section No. 4 Bill No. 1 SMALL POWER AND LIGHTING INSTALLATION			

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

46	Labour	No	36		
<u>Supply and installation of galvanised pressed boxes flush in wall, including bushes, locknuts and box extensions where required:</u>					
<u>Complete 100x100x50mm outlet box complete with cover lid, as specified</u>					
47	Material	No	100		
48	Labour	No	100		
<u>Complete 100x50x50mm outlet box complete with cover lid, as specified</u>					
49	Material	No	80		
50	Labour	No	80		
<u>Wiring</u>					
<u>PVC insulated copper conductors drawn into conduit, wiring trunking or power skirting</u>					
<u>2.5mm² PVC wire</u>					
51	Material	m	1 800		
52	Labour	m	1 800		
<u>4mm² PVC wire</u>					
53	Material	m	1 900		
54	Labour	m	1 900		
Carried to Collection				R	
Section No. 4					
Bill No. 1					
SMALL POWER AND LIGHTING INSTALLATION					

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
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BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

	<u>2.5mm² PVC Twin & Earth cable, including terminations</u>				
55	Material	m	1 800		
56	Labour	m	1 800		
	<u>Draw Wire</u>				
57	Material	m	1 800		
58	Labour	m	1 800		
	<u>Switches - Socket Outlets - Isolators</u>				
	<u>Surface or flush mounted complete with covers and screws</u>				
	<u>16A single socket outlet</u>				
59	Material	No	150		
60	Labour	No	150		
	<u>16A double socket outlet</u>				
61	Material	No	140		
62	Labour	No	140		
	<u>Floor pedestal complete with normal sso.dedicated sso. tel & data.</u>				
63	Material	No	50		
64	Labour	No	50		
	Carried to Collection			R	
	Section No. 4				
	Bill No. 1				
	SMALL POWER AND LIGHTING INSTALLATION				

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>Complete 16A 1-lever/1-way light switch</u>				
65	Material	No	110	
66	Labour	No	110	
<u>Complete 16A 2-lever/1-way light switch</u>				
67	Material	No	110	
68	Labour	No	110	
<u>Complete 16A 1-lever/2-way light switch</u>				
69	Material	No	150	
70	Labour	No	150	
<u>20A Photocell</u>				
71	Material	No	80	
72	Labour	No	80	
<u>Recessed 20A DP isolator</u>				
73	Material	No	40	
74	Labour	No	40	
<u>Recessed 60A DP isolator</u>				
75	Material	No	130	
Carried to Collection				R
Section No. 4				
Bill No. 1				
SMALL POWER AND LIGHTING INSTALLATION				

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

76	Labour	No	130		
	<u>Recessed 80A DP isolator</u>				
77	Material	No	145		
78	Labour	No	145		
	<u>Surface 60A TP isolator watertight</u>				
79	Material	No	152		
80	Labour	No	152		
	<u>Centurion Heavy duty motor gates replace</u>				
81	Material	No	10		
82	Labour	No	10		
	<u>Electronic boom gate repair</u>				
83	Material	No	5		
84	Labour	No	5		
	<u>Repair Electronic roller shutter doors</u>				
85	Material	No	15		
86	Labour	No	15		
	<u>Power Skirting</u>				
				R	

Supply, Delivery and Installation of a completed 2 compartment steel power skirting only where required and damaged

87	Material	m	200
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88	Labour	m	200
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89	Material	No	150
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90	Labour	No	150
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91	Material	No	150
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92	Labour	No	150
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93	Material	No	150
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94	Labour	No	150
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95	Material	No	150
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96	Labour	No	150
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KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
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BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>Complete recessed 1200mmx600mm 3X36W decorative LED lamp with low brightness diffuser</u>					
105	Material	No	120		
106	Labour	No	120		
<u>Replace damaged tubes with LED and convert.</u>					
107	Material	No	350		
108	Labour	No	350		
<u>Type F4</u>					
<u>1500mm 2X36W Waterproof LED luminaire with energy saving Lamps.</u>					
109	Material	No	125		
110	Labour	No	125		
<u>Replace damaged tubes with LED and convert.</u>					
111	Material	No	346		
112	Labour	No	346		
<u>Type F5</u>					
<u>Resistant LED wall mounted light</u>					
113	Material	No	115		
Carried to Collection				R	
Section No. 4					
Bill No. 1					
SMALL POWER AND LIGHTING INSTALLATION					

114	Labour	No	115	
	<u>Replace damaged tubes with LED and convert.</u>			
115	Material	No	345	
116	Labour	No	345	
	<u>Type F6</u>			
	<u>Fluorescent LED Tube Light Fitting with Reflector 1500mm</u>			
117	Material	No	155	
118	Labour	No	155	
	<u>Replace damaged tubes with LED and convert.</u>			
119	Material	No	335	
120	Labour	No	335	
	<u>Type B1</u>			
	<u>Parking lights Aerodynamic resistance</u>			
121	Material	No	142	
122	Labour	No	142	
Carried to Collection				
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SMALL POWER AND LIGHTING INSTALLATION				

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
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BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

	<u>Replace damaged tubes with LED and convert.</u>				
123	Material	No	655		
124	Labour	No	655		
	<u>Type B2</u>				
	<u>Complete Square surface mount interior bulkhead with 17 W LED lamps with electronic control gear and High-pressure die-cast aluminium base, similar or equal and approved.</u>				
125	Material	No	80		
126	Labour	No	80		
	<u>Replace damaged tubes with LED and convert.</u>				
127	Material	No	178		
128	Labour	No	178		
	<u>Type D1</u>				
	<u>120mm diameter LED Panel recessed Downlight 18W similar or equal and approved.</u>				
129	Material	No	90		
130	Labour	No	90		
Carried to Collection				R	
Section No. 4					
Bill No. 1					
SMALL POWER AND LIGHTING INSTALLATION					

	<u>Replace damaged tubes with LED and convert.</u>			
131	Material	No	205	
132	Labour	No	205	
	<u>Type B1</u>			
	<u>Complete Wall mounted Interior bulkhead complete with 2x18W LED lamp, control gear, black trip similar or equal and approved.</u>			
133	Material	No	40	
134	Labour	No	40	
	<u>Replace damaged tubes with LED and convert.</u>			
135	Material	No	60	
136	Labour	No	60	
	<u>Type E</u>			
	<u>Complete wall mounted LED exit luminaire complete</u>			
137	Material	No	155	
138	Labour	No	155	
	<u>Complete new prison cell block lights 2x58W with protected cover</u>			
139	Material	No	345	
	Carried to Collection			
	Section No. 4			
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	SMALL POWER AND LIGHTING INSTALLATION			

BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

Section No. 4
Bill No. 1
SMALL POWER AND LIGHTING INSTALLATION

Supply, install and test a complete lightning protection installation, including aluminium and copper conductors, test joints, PVC conduit, earth electrodes for the following building but not limited to: -Only area where required to be replaced

SUM

150 Inspections, testing and handing over of the complete
installation in the presence of the complete installation in
the presence of the Engineer and certify the results on
the Certificate of compliance by an accredited person.:

SUM

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**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE**

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SMALL POWER AND LIGHTING INSTALLATION

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Section No. 4

Bill No. 1

SMALL POWER AND LIGHTING INSTALLATION

BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

Section No. 4
Bill No. 2
STANDBY GENERATOR

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
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BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

6	Inspect all rubber hoses and wiring; replace if required			SUM	
	<u>Replace existing batteries on 3xgenerators</u>				
7	Material	No	6		
8	Labour	No	6		
9	Clean 3xplant rooms, clean and re-lamp luminaires			SUM	
	<u>Repair lagging on exhaust system and reseal if necessary</u>				
10	Material	No	3		
11	Labour	No	3		
	<u>Do cold starting volt drop test on prime mover starter battery; replace starter battery if required.</u>				
12	Material	No	12		
13	Labour	No	12		
14	Clean sliprings and inspect brushgear. Open alternator terminal box, clean and tighten terminations. Check and record earthing value as measured with resistance measuring instrument.			SUM	
Carried to Collection				R	
Section No. 4					
Bill No. 2					
STANDBY GENERATOR					

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

Section No. 4

Bill No. 2

STANDBY GENERATOR

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Bill No. 2

STANDBY GENERATOR

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KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

<u>Complete servicing of 12xMini-substations for duration of 3years on a once per year basis</u>				
5	Material	No	12	
6	Labour	No	12	
7	Complete Preventative maintenance to be carried out every 6months on all transformers,switchgears,mini-sub			SUM
8	Attend to all call out breakdowns with maximum of 20 call outs during 3years period			SUM
9	Clean 6xplant rooms; clean and re-lamp luminaires			SUM
<u>Cleaning and re-pianting of all fieldkiosk,checking of lose connections on breakers</u>				
10	Material	No	15	
11	Labour	No	15	
Carried to Collection				R
Section No. 4				
Bill No. 3				
TRANSFORMERS, SWITCHGEARS AND MINI-SUBS				

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KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

4	Labour	No	12		
	<u>Wash luminaires with detergent and clean lenses.</u> <u>Check and replace neoprene seals if necessary</u>				
5	Material	No	250		
6	Labour	No	250		
	<u>Service each luminaire open control gear enclosures</u> <u>and treat for moisture ingress and corrosion and replace</u> <u>lamps if not working.</u>				
7	Material			SUM	
8	Labour			SUM	
	<u>Check pole covers; measure earthing continuity and</u> <u>tighten foundation bolts</u>				
9	Material	No	250		
10	Labour	No	250		
	<u>AREA/PARKING LIGHTNING</u>				
	<u>Remove existing damaged luminaires, supply and install</u> <u>similar and approved luminaires complete with lamps</u> <u>and control gear, if applicable.</u>				
11	Material	No	150		
12	Labour	No	150		
	Carried to Collection			R	
	Section No. 4				
	Bill No. 4				
	SECURITY FENCE				

KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE

	<u>Wash luminaires with detergent and clean lenses.</u> <u>Check and replace neoprene seals if necessary</u>				
13	Material	No	350		
14	Labour	No	350		
	<u>Service each luminaire open control gear enclosures</u> <u>and treat for moisture ingress and corrosion and replace</u> <u>lamps if not working.</u>				
15	Material	No	350		
16	Labour	No	350		
	<u>Check pole covers; measure earthing continuity.</u>				
17	Material	No	350		
18	Labour	No	350		
Carried to Collection					R
Section No. 4 Bill No. 4 SECURITY FENCE					

**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE**

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SECURITY FENCE

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Bill No. 4

SECURITY FENCE

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SECTION NO 4

ELECTRICAL WORKS

BILL NO. 5

MOTORGATES SERVICING AND MAINTENANCE

NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill

Tenderers are advised to study the Department of Public Works - Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill

Servicing and maintenance of existing motorgates every 6months

1	Material	No	20
2	Labour	No	20
<u>Replace motorgates with new D5 Heavy duty gate</u>			
3	Material	No	5
4	Labour	No	5

Carried to Collection

Section No. 4
Bill No. 5
MOTOR GATE

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**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
FACILITIES MANAGEMENT CONTRACT: KIM10/2022
BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE**

Section No. 4

Bill No. 5

MOTOR GATE

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MOTOR GATE

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**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
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BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE**

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**KIMBERLY DCS-NEW GENERATION CORRECTIONAL:TSWELOPELE PRISON
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BUILDING RELATED , ELECTRICAL AND MECHANICAL SERVICE**

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3	MECHANICAL WORKS	127	
4	ELECTRICAL WORKS	159	
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	Add: Value Added Tax at 15%	R	
Carried to Form of Tender		R	