APPENDIX 1

BOQ/ PRICING SCHEDULE FOR THE MAINTENANCE OF BUILDINGS AT OSCA

NOTES

1. **Supervision costs** are included under P&G's, Time-related item 1.2.2.6
2. All quantities provided in the pricing schedule are calculated approximations provided as a first estimate to assist the bidder with his/her pricing. However, the onus is on the contractor to verify the figures before commencement of the works.
3. Contingencies and Provisional Sums are for the Project and not the Service provider. ***Therefore the use of the Contingencies and Provisional sum allocation is not a given and no payment will be made from this allocation for work that has not been approved by the engineer and duly completed.***
4. Exclude VAT in your line-item pricing.
5. Totals per page to be transferred to Summary of Sections page for total quote.
6. Payment will only be considered for those items listed in the BoQ against which **actual expenditure** was incurred.
7. Payment of Time Related P&G's will be pro-rata the progress made and not as per the time elapsed since commencement of the works.
8. In case any items of the BoQ have been priced in such a manner that they lack realism; they will be balanced against other items that are deemed to be underquoted for at the start of the contract.
9. The total of all P&G's excluding Provisional Sums, Contingencies and VAT should not exceed 15% of the Contract Value.

ITEM #	REF.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	SANS 1200 A	***BILL NO. 1 - PRELIMINARIES***				
1 .1		**FIXED-CHARGE ITEMS** [1]				
1.1.1		Contractual Requirements The sum shall cover the Contractor's initial costs of providing sureties, insurance of the Works and plant, third party or public liability insurance and unemployment insurance	Sum	1	R	R
1.1.2		Establishment of Facilities on the Site: Facilities for Contractor The sum for this item in shall cover the cost of providing, establishing and commissioning on the Site facilities for the Contractor's staff. These facilities adequately equipped to allow the work to commence and to proceed to completion as required in terms of the contract.				
1.1.2.1		a) Offices and storage sheds	Sum	1	R	R
1.1.2.2		e) Ablution and latrine facilities	Sum	1	R	R
1.1.2.3		f) Plants, tools and equipment Designated tools & equipment or tools & equipment for designated operations or plant for use during stated period. Applicable only to specifically identified tools and equipment.	Sum	1	R	R
1.1.2.4		g) Water supplies, electric power and communications	Sum	1	R	R
1.1.2.6		h) Removal of Contractor's Site establishment on completion The sum shall cover the cost of the demolition on and the removal from the surface of the Site of all items established in terms of A.1.2, and shall provide for the making good and the restoring of the Site to the satisfaction of the Engineering Representative.	Sum	1	R	R
1.1.2.7		Clean up site and removal of building rubble etc. off-site upon completion of project	Sum	1	R	R
1.1.2.8		OHS COMPLIANCE All costs and obligations to comply with the OHS Act Construction Regulations See Appendix 2A (Contractors Health & Safety Declaration) and SCC Clause 16.1-16.6 (Occupational Health & Safety) **> Insert the Total here for Fixed Items from Appendix 2A, Table 1.1.**	Sum	1	R	R

Sub-Total Page 1 > Transfer To Summary Page (8) >>	**R**

[1] *Amounts or parts thereof will only be paid out if actual approved expenditure has occurred. <<<*

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ITEM #	Ref.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	SANS 1200 A	***BILL NO. 1 - PRELIMINARIES***				
1.2		**TIME-RELATED ITEMS** [1]				
1.2.1		Contractual Requirements The sum shall cover the Contractor's initial costs of providing sureties, insurance of the Works and plant, third party or public liability insurance and unemployment insurance.	Month	2	R	R
1.2.2		Establishment of Facilities on the Site: Facilities for Contractor The sum for this item shall cover the cost of providing, establishing and commissioning on the Site these facilities adequately equipped to allow the work to commence and to proceed to completion as required in terms of the contract.				
1.2.2.1		a) Offices and storage sheds	Month	2	R	R
1.2.2.3		e) Ablution and latrine facilities	Month	2	R	R
1.2.2.4		f) Plants, tools and equipment Designated tools & equipment or tools & equipment for designated operations or plant for use during stated period. Applicable only to specifically identified tools and equipment.	Month	2	R	R
1.2.2.5		g) Water supplies, electric power and communications	Month	2	R	R
1.2.2.6		Other time-related obligations including site Supervision	Month	2	R	R
1.2.3		OHS COMPLIANCE All costs and obligations to comply with the OHS Act Construction Regulations See Appendix 2A (Contractors Health & Safety Declaration) and SCC Clause 16.1 - 16.6 (Occupational Health & Safety)	Month	2	R	R
		> Insert the Total here for Time Related Items from Appendix 2A, Table 1.2.				

Sub-Total Page 2 > Transfer to Summary of Sections Page (8) >>	**R**

[1] *Amounts or parts thereof will only be paid out if actual approved expenditure has occurred.*

ITEM #	REF.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.3		**SUMS STATED PROVISIONALLY BY ENGINEER** **ELECTRICAL SUPPLY**				
1.3.1	**SANS 10142-1**	Dig out the buried electric pipe and reroute it outside the field and ensure electric supply to all the Distribution Boxes in the piggery. Replace the existing main breaker	Prov. Sum	1	R50 000	R50 000
1.3.1.1		Issue a CoC for electrical work A Mark-up and Profit % for the item 1.3.1_____	%	_____	R50 000	R
1.4.	**SANS 1200 A**	***Day Works*** ***General (Small Works) –*** *Please note: These rates will only apply for additional, un-scoped contingency work, **not** to works that are scoped in this BoQ.*				
1.4.1		*Labour (rates per person per day)*				
1.4.1.1		Skilled	day	1	R	Rate Only
1.4.1.2		Semi-Skilled	day	1	R	Rate Only
1.4.1.3.		Un-Skilled	day	1	R	Rate Only
1.3.2		*Plant (rates per plant item per hour all-in, including fuel, operator and delivery to site)*				
1.3.2.1.		4X4 TLB	day	1	R	Rate Only
1.3.2.2		Water Tank	day	1	R	Rate Only
1.3.2.3		Front End Loader	day	1	R	Rate Only
1.3.2.4		Bob Cat	day	1	R	Rate Only
1.3.2.5		Tipper Truck: 6m^3	day	1	R	Rate Only
1.3.2.6		Vibrating (Mini) Roller	day	1	R	Rate Only
1.3.2.7		Plate Compactor	day	1	R	Rate Only
1.3.2.8		Poke Vibrator and Drive	day	1	R	Rate Only
1.3.2.9		Impact Rammer (Wacker)	day	1	R	Rate Only
1.3.2.10		Scaffold	day	1	R	Rate Only
Sub-Total Page 3 >> Forward to Summary Page					**R**	

[1] *Amounts or parts thereof will only be paid out if actual approved and proven expenditure has occurred. <<<*

APPENDIX 1 | PRICING SCHEDULE | SECTIONS 2-3 | SURFACE CLEANING & MASONRY | PAGE 4

ITEM #	REF.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2		**SURFACE CLEANING AND WATERPROOFING**				
2.1		**MAIN BUILDING**				
2.1.1	SANS 10400 - L	Cleaning should include brushing off the surface to remove residues and dirt, followed by pressure washing the roof	m^2	1000	R	R
2.1.2		Cleaning of gutters and clearance of all invasive vegetation and debris	Sum	1	R	R
		MAIN BUILDING - EXTERNAL WALLS				
2.1.3	SANS 10400 - K	Gentle cleaning of the brick surface and mortar joints, maintaining the integrity of the brickwork	m^2	210	R	R
2.1.4		**WATERPROOFING OF MAIN ADMIN BUILDING ROOF** Identify or locate parts of the roof that are leaking and use a suitable patching method to seal the area	Sum	1	R	R
		ASD RESIDENCE				
2.1.5		Cleaning of gutters and downpipes, including the removal of all invasive vegetation and debris	Sum	1	R	R
2.1.6		Securing of gutters with brackets	Sum	1	R	R
3	**SANS 2001 CM2**	**MINOR MASONRY WORKS**				
3.1		Apply necessary poisoning to combat the bee infestation at the U-Block	Sum	1	R	R
3.2		Raise the outer leaf of the wall to the level of the existing internal brickwork using SABS-approved clay stock bricks and match the brickwork colour on the adjacent wall	m^2	500	R	R
3.3		**BRICK REINFORCING**				
		High tensile galvanised brick reinforcing wires to be placed in every second course				
3.3.1		150 x 2.8mm brick force. Rolls of 20m	No.	1	R	R
3.4		**PLASTERING**				
		Wall Plastering One Coat (12-15 mm) 1:5 cement plaster to brickwork with steel trowel finish. Walls & narrow widths				
3.4.1		Outer skin of external walls	m^2	30	R	R
Sub-Total Page 4 >> Forward to Summary Page					**R**	

ITEM #	REF.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.4		**PLASTERING (Cont.)**				
3.4.2		Patching and painting of large cracks at ASD Residence. Including scraping and painting of internal walls	Sum	1	R	R
3.5		**PAINTWORK**				
3.5.1		Wall Priming Priming of all plastered surfaces with plaster primer. App. voat a 5m²/L spreading rate.	m²	30	R	R
3.5.2		Main Painting Painting of external walls with two coats. App. Volume (spreading rate 8m²/L). Colour: to match the existing wall paint.	m²	750	R	R
3.5.3		Roof Priming Apply an anti-rust or corrosion-resistant primer to the roof of the main building	m²	1000	R	R
3.5.4		Main Roof Painting Painting of roof with two coats. App. Volume (spreading rate 8m²/L). Colour: Dark Green	m²	1000	R	R
4		**REPAIRS TO THE LEAKING CONCRETE ROOF AND WALLS**				
4.1		**ALTERATION**				
4.1.1	**SANS 1200:C**	**REMOVAL OF EXISTING WORK** This part relates to the repairs to resultant damage to the surface of the building.				
	5.8	a) Scrape off all loose or flaking paint using suitable methods and tools	m²	130	R	R
	5.8	b) If the existing internal plaster is extensively water-damaged: Hacking up/off and removing granolithic, screeds, plaster, marmoran finish, etc from concrete or brickwork and preparing surfaces for new screed, plaster, marmoran finishes, etc. Rate to include cart and disposal to the appropriate landfill site	m²	1	R	Rate Only
		c) Waterproofing from the roof	m²	75	R	R
		d) Existing screed on flat roof	m²	1	R	Rate Only
		e) All damaged ceiling boards	m²	75	R	R
		f) Remove and re-instate copings Rate to include grouting of the copings	m	1	R	Rate Only
Sub-Total Page 5 >> Forward to Summary Page					**R**	

APPENDIX 1 | PRICING SCHEDULE | SECTIONS 4 | REPAIRS TO THE LEAKING CONCRETE ROOF AND WALLS | PAGE 6

ITEM #	REF.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.2	SANS 10021	**WATERPROOFING**				
4.2.1		**WATERPROOFING OF CONCRETE ROOF One layer of 4mm Derbigum or equal approved torch-on waterproofing membrane with UV protective layer laid over lapping edges on cement screeded surface primed with bituminous primer, all laid to manufacturer's specifications**				
		a) Conduct 1x pre- and 1x post-waterproofing ponding tests on the roof to see areas with water ponds	No.	2	R	R
		b) Preparation and cleaning of existing concrete roof slab using high-pressure mechanical equipment	m^2	75	R	R
		c) Repair patches with mortar mix as per specifications on concrete roof slab. Rate also includes the supply and application of a bonding agent	m^2	8	R	R
	SANS 10109-2	d) Supply and install 25MPa screed with a fall of at least 1:50 sloped towards the drains. Rate to include supply, applications to manufacture's specifications, floating and curing	m^3	1	R	Rate Only
		e) Supply and installation of approved waterproofing system on flat roofs to applicable design and manufacture's specifications.	m^2	75	R	R
4.2.2		**Two Coats bituminous aluminium paint**				
		a) On waterproofing to roof and parapet walls	m^2	150	R	R
4.3	SANS 2001-EM1	**PLASTERING**				
4.3.1		INTERNAL PLASTER				
		a) Wall and Concrete Ceiling Plastering One Coat (12-15 mm) 1:5 cement plaster to brickwork with steel trowel finish. Walls & narrow widths	m^2	130	R	Rate Only
		b) Repair minor surface defects with suitable filler/plaster after scraping off the wall	m^2	130	R	R
Sub-Total Page 6 >> Forward to Summary Page					**R**	

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APPENDIX 1 | PRICING SCHEDULE | SECTIONS 4-6 | REPAIRS TO THE LEAKING CONCRETE ROOF AND WALLS / DRAINAGE / BUILDING FINISHES **PAGE 7**

ITEM #	REF.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.4		**PAINTWORK**				
		a) Wall and Concrete Ceiling Priming Priming of all plastered surfaces with plaster primer. App. voat a 5m²/L spreading rate.	m²	130	R	R
		b) Main Painting Painting of internal walls and internal ceiling with two coats. App. Volume (spreading rate 8m²/L). Colour: to match the existing wall paint.	m²	480	R	R
5	**SANS 10400-P**	**DRAINAGE**				
5.1		110mm diameter x 3m downpipes *Including stainless steel pipe clamps and other accessories*	No.	6	R	R
5.2		200mm Ø Elbow Solvent Weld	No.	2	R	R
5.3		200 mm Ø Equal Tee-Piece Solvent Weld	No.	2	R	R
5.4		200 mm Ø Downpipes: 3m high *Including stainless steel pipe clamps, PVC weld and other accessories*	No.	2	R	R
6		**BUILDING FINISHES**				
6.1		Removal of wooden door frame (2.1 x 1.4m) and installation of an aluminium door and frame. Size to match the existing. Complete with all necessary accessories	Sum	1	R	R
6.2		Minor works regarding the replacement of door hinges (1.7m double door)	Sum		R	R
6.3		Latch and hook sets for aluminium door	No.	4	R	R
6.4		Heavy-Duty Aluminum Door Sweep with Neoprene/Vinyl Blade (brown): A surface-mounted sweep installed on the exterior bottom edge of each door leaf. The flexible blade wipes tightly against the threshold when closed, blocking wind-driven rain.	No.	4	R	R

Sub-Total Page 7 >> Forward to Summary Page	**R**

APPENDIX 1 | PRICING SCHEDULE | SUMMARY OF SECTIONS & SCHEDULES | PAGE 8

BOQ/PRICING SCHEDULE SUMMARY		
PAGE	**DESCRIPTION**	**SUBTOTAL**
	Section A | PRELIMINARY & GENERAL	
1	A | PRELIMINARY & GENERAL – PAGE 1	R
2	A | PRELIMINARY & GENERAL – PAGE 2	R
3	A | PROVISIONAL SUM (DO NOT ADD RATE ONLY)	R
ST1	**SUBTOTAL P&G'S PAGES 1 - 3**	**R**
	Check: **ST1 (P&G excl. Provisional Sums) / ST2 (Total excl. VAT).** **Should not exceed 15%.**	
4	SECTION 2 - 3 | SURFACE CLEANING & MASONRY WORKS	R
5	SECTION 3- 4 | MASONRY WORKS / REPAIRS TO THE LEAKING CONCRETE ROOF AND WALLS	R
6	SECTION 4 | REPAIRS TO THE LEAKING CONCRETE ROOF AND WALLS	R
7	SECTION 4 –6| REPAIRS TO THE LEAKING CONCRETE ROOF AND WALLS / DRAINAGE / BUILDING FINISHES	**R**
ST2	**SUBTOTAL SECTIONS 4+5+6+7**	**R**
ST3	**TOTAL LINE ALL SECTIONS (ST1 + ST2)**	**R**
	CONTINGENCIES 10% OF SUBTOTAL	**R**
	TOTAL EXCLUDING VAT	**R**
	+ 15% VAT (ONLY IF BIDDER IS A VAT VENDOR)	**R**
	GRAND TOTAL	**R**

APPENDIX 2A - CONTRACTOR'S HEALTH & SAFETY DECLARATION

TO BE COMPLETED BY ALL BIDDERS

Contractor's Health and Safety Declaration

In terms of Clause 5(1)(h) of the OHSA 1993 Construction Regulations 2014 (referred to as "the Regulations" hereafter), a Contractor may only be appointed to perform construction work if the Department is satisfied that the Contractor has the necessary competencies and resources to carry out the work safely in accordance with the Occupational Health and Safety Act No 85 of 1993 and the OHSA 1993 Construction Regulations 2014.

To that effect a person duly authorised by the bidder must complete and sign the declaration hereafter in detail.

Declaration by Bidder

1. I the undersigned hereby declare and confirm that I am fully conversant with the Occupational Health and Safety Act No 85 of 1993 (as amended by the Occupational Health and Safety Amendment Act No 181 of 1993), and the OHSA 1993 Construction Regulations 2014.
2. I hereby declare that my company has the competence and the necessary resources to safely carry out the construction work under this contract in compliance with the Construction Regulations and the Department's Health and Safety Specifications.
3. Tables below to be completed by bidder. Contractor to transfer the Totals to **P&G's Items A.1.2.8 and A.2.2.6** for the Fixed Charge and Time Related P&G's respectively. Only items against which actual expenditure has occurred, will be paid for.

TABLE 1: COST OF SAFETY EQUIPMENT & OTHER COSTS RELATED TO OHS COMPLIANCE (FIXED CHARGE ITEMS)

COST ITEM DESCRIPTION	COST ALLOWED FOR IN BID
1 | FIXED COSTS - Add items as per risk assessment	
1.1 PPE	
1.1.1 Hard hats	R
1.1.2 Safety boots	R
1.1.3	R
1.1.4	R
1.1.5	R
1.1.6	R
1.1.7	R
1.2 Preparation, discussing and amending of Health & Safety Plan, including risk assessment & quality assurance plan.	R
1.3 Compilation and updating of a Health & Safety file	R
1.4 Medical examination of staff and temporary workers (app.10 people)	R
1.6	R
1.7	R
<< SUBTOTAL CARRIED TO P&G'S ITEM A.1.2.8	**R**

2 | TIME RELATED COSTS	
2.1 Implementation of the Health & Safety Plan.	R
2.2 Construction Safety Officer	R
2.3 Training of staff and temporary workers	R

<< SUBTOTAL CARRIED TO P&G'S ITEM A.2.2.6 R

4. I hereby confirm that adequate provision has been made in my tendered rates and prices in the Bill of Quantities to cover the cost of all resources, actions, training and all health and safety measures envisaged in the OHSA 1993 Construction Regulations 2014, including the cost of the specific items listed in the tables hereafter.

5. I hereby undertake, if my bid is accepted, to provide, before commencement of the works under the contract, a suitable and sufficiently documented Health and Safety Plan in accordance with Regulation 7(1)(a) of the Construction Regulations, which plan shall be subject to approval by the Department.

6. I confirm that copies of my company's approved Health and Safety Plan, the Department's Safety Specifications as well as the OHSA 1993 Construction Regulations 2014 will be provided on site and will at all times be available for inspection by the Contractor's personnel, the Department's personnel, the Employers Agent, visitors, and officials and inspectors of the Department of Labour.

7. I hereby confirm that, I will be liable for any penalties that may be applied by the Department in terms of the said Regulations (Regulation 33) for failure on the Contractor's part to comply with the provisions of the Act and the Regulations.

8. I agree that my failure to complete and execute this declaration to the satisfaction of the Department will mean that I am unable to comply with the requirements of the OHSA 1993 Construction Regulations 2014, and accept that my bid will be prejudiced and may be rejected at the discretion of the Department.

SIGNATURE OF BIDDER ..... **DATE**.....

(of person authorised to sign on behalf of the Bidder)

APPENDIX 2B | AGREEMENT IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT NO. 85 OF 1993

PRO FORMA
OHS AGREEMENT

To Be Completed By Appointed Contractor Only

>> TO BE COMPLETED BY APPOINTED CONTRACTOR ONLY <<

AGREEMENT IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT NO. 85 OF 1993

THIS AGREEMENT is made between The Province of KwaZulu-Natal represented by the Head of Department: Department of Agriculture & Rural Development
(hereinafter called the EMPLOYER) of the one part, herein represented by:

.....

in his/her capacity as: .....

AND:

.....

(Hereinafter called the CONTRACTOR) of the other part, herein represented by:

.....

in his/her capacity as: .....

duly authorised to sign on behalf of the Contractor.

WHEREAS the CONTRACTOR is the Mandatory of the EMPLOYER in consequence of an agreement between the CONTRACTOR and the EMPLOYER in respect of:

MAINTENANCE OF BUILDINGS AT OWEN SITHOLE COLLAGE OF AGRICULTURE (OSCA) – UMHLATHUZE LOCAL MUNICIPALITY – UNDER KING CETSHWAYO DISTRICT

for the implementation of the works as per the Scope of Works and Specifications and Conditions provided in the contract documentation;

AND WHEREAS the EMPLOYER and the CONTRACTOR have agreed to enter into an agreement in terms of the provisions of Section 37(2) of the Occupational Health and Safety Act No 85 of 1993, as amended by the Occupational Health and Safety Amendment Act No 181 of 1993 (hereinafter referred to as the ACT);

NOW THEREFORE the parties agree as follows:

1. The CONTRACTOR undertakes to acquaint the appropriate officials and employees of the CONTRACTOR with all relevant provisions of the ACT and the regulations promulgated in terms thereof.

2. The CONTRACTOR undertakes to fully comply with all relevant duties, obligations and prohibitions imposed in terms of the ACT and Regulations: Provided that should the EMPLOYER have prescribed certain arrangements and procedures that same shall be observed and adhered to by the

CONTRACTOR, his officials and employees. The CONTRACTOR shall bear the onus of acquainting himself/herself/itself with such arrangements and procedures.

3. The CONTRACTOR hereby accepts sole liability for such due compliance with the relevant duties, obligations, prohibitions, arrangements and procedures, if any, imposed by the ACT and Regulations, and the CONTRACTOR expressly absolves the EMPLOYER and the EMPLOYER'S AGENT from being obliged to comply with any of the aforesaid duties, obligations, prohibitions, arrangements and procedures in respect of the work included in the contract.

4. The CONTRACTOR agrees that any duly authorised officials of the EMPLOYER shall be entitled, although not obliged, to take such steps as may be necessary to ensure that the CONTRACTOR has complied with his undertakings as more fully set out in paragraphs 1 and 2 above, which steps may include, but shall not be limited to, the right to inspect any appropriate site or premises occupied by the CONTRACTOR, or to take such steps the EMPLOYER may deem necessary to remedy the default of the CONTRACTOR at the cost of the CONTRACTOR.

5. The CONTRACTOR shall be obliged to report forthwith to the EMPLOYER any investigation, complaint or criminal charge which may arise as a consequence of the provisions of the ACT and Regulations, pursuant to work performed in terms of this agreement and shall, on written demand, provide full details in writing of such investigation, complaint or criminal charge.

Thus signed at ..... for and on behalf of the **EMPLOYER**

on this the ..... day of ..... 20.....

SIGNATURE: .....

NAME AND SURNAME: .....

CAPACITY: .....

WITNESSES: *1.* .....

2. .....

Thus signed at ..... for and on behalf of the **CONTRACTOR**

on this the .....day of ..... 20.....

SIGNATURE: .....

NAME AND SURNAME: .....

CAPACITY: .....

WITNESSES: *1.* .....

2. .....

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APPENDIX 3 – MAINTENANCE OF VARIOUS BUILDINGS AT OSCA -UMHLATHUZE LM -LOCALITY MAP

