

## **Mechanical and Fire Engineering Services**

### **Pricing Instruction**

1. Pricing must be as per the latest edition of Guidelines for Tariff of fees in the South African Council for the Engineering Profession Act (46/2000).
2. The fee proposal must be a percentage fee based on the estimated total construction value of R 84 148 594 for the Mechanical engineer (HVAC, Mechanical and Wet services) and R 42 074 297 for Fire Engineer. Consultant Fees will only be adjusted upon the decrease of the construction value by 5% or the increase in the construction value by more than 10%. The adjustment of the fees will take place at the following intervals:
  - a. Upon receipt of the Investment Decision with the Approval of the FIDPM Stage 3 Report.
  - b. In the event of termination of the contact.
  - c. Upon the appointment of the contractor/s and deviation of the construction value.
3. Disbursements will be included as a percentage of the total fee payable as guided by your fee scales and shall be payable at regular intervals during the life of the project. The payment of disbursements will not include costs for travel. Any and all other costs will be paid strictly on a proven cost basis.
4. A discount of fees shall be indicated in the costing and shall be applicable at the desecration of the bidder (not compulsory).
5. Approved Tenderers pricing regime (i.e. % of fees, disbursement, discount, etc.) at tender stage shall be applicable throughout the life of the project
6. The accepted form of offer will be for the duration of all 6 Stages, however the **\*Initial appointment is for stage 1-3** with full appointment for stage 4-6 applicable after project feasibility is determined and approved by ACSA internal governance.
7. Instruction to proceed with subsequent stages in terms of this contract and the associated scope of work will be confirmed in writing by the Employer on a stage-by-stage basis. Note that the Employer is under no obligation to continue with any other stages of the project beyond Stage 3. Should the bidder not be granted approval to commence with the next stage 4, this will not be seen as a cancellation, termination or abandonment of the project that will trigger termination fees or any additional payments apart from those for services rendered up to the previous completed stage.
8. Payment of fees shall be done as per percentage apportionment of fees at completion of each stage as set out in the relevant professional body's fee scale guidelines. All fees claims shall be submitted to the appointed project quantity surveyor for project accounting purposes.

9. Period for payment of monthly fee claims will be in line with ACSA's payment cycle i.e. 30 days from receipt of correct invoice on a monthly basis by not later than the 25<sup>th</sup> of each month.
10. The consultant team is expecting to conduct any and all aspects of work to assist ACSA in the decision-making process for the consideration of use of contingency. These activities are considered to be a part of the design development and associated standard fees. The use of contingency and the amendment of fees will only be adjusted (i.e. added to the construction value for free determination) at the successful receipt of the investment decision in parallel with the FIDPM Stage 3 Approval.

**Table A: Mechanical Engineering**

CDSIA TERMINAL EXPANSION - Professional Services Fees				
Table A 1– Basic Professional Fees	Estimated construction value		R84,148,594.00	
Mechanical Engineer - HVAC & Wet Services	Fees as per Professional Engineers Act No 46 of 2000		Offered fees (Excl. VAT)	
Stage of Services according to ECSA	% of basic fee for each stage	Amount (Excl. VAT)	% Discount offered	Offered Fee (Excl. VAT)
<b>PHASE 1</b>				
Work-stage 1 Inception	5%			
Work-stage 2 Concept and Viability	15%			
Work-stage 3 Design development	20%			
<b>SUB TOTAL PHASE 1</b>	<b>40%</b>			
<b>PHASE 2</b>				
Work-stage 4 Documentation & Procurement	20%			
Work-stage 5 Works / Construction	40%			
Work-stage 6 / 7 – Handover Close-Out	5%			
<b>SUB TOTAL PHASE 2</b>	<b>65%</b>			

<b>Total Offered Professional Fee 20</b>	<b>R</b>	<b>%</b>	<b>R</b>
Total Disbursements			R
Total Specialist/ additional Services and /or studies			R
Contingencies 20%			R
<b>SUB TOTAL 3</b>			<b>R</b>
<b>Total Offered Professional Fee excl VAT to be carried to Form of offer</b>			<b>R</b>

**Table B: Fire Engineering**

CDSIA TERMINAL EXPANSION - Professional Services Fees				
<b>Table A 1– Basic Professional Fees</b>	Estimated construction value			<b>R42,074,297.00</b>
<b>Mechanical Engineer - Sprinklers and Fire</b>	Fees as per Professional Engineers Act No 46 of 2000 – 20 December 2011 Statutory scale of fees (Excl. VAT)			Offered fees (Excl. VAT)
Stage of Services according to ECSA	% of basic fee for each stage	Amount (Excl. VAT)	% Discount offered	Offered Fee (Excl. VAT)
<b>PHASE 1</b>				
Work-stage 1 Inception	5%			
Work-stage 2 Concept and Viability	15%			
Work-stage 3 Design development	20%			
<b>SUB TOTAL PHASE 1</b>	<b>40%</b>			
<b>PHASE 2</b>				
Work-stage 4 Documentation & Procurement	20%			

Work-stage 5 Works / Construction	40%			
Work-stage 6 / 7 – Handover Close-Out	5%			
<b>SUB TOTAL PHASE 2</b>	<b>65%</b>			
<b>Total Offered Professional Fee</b>		<u>R</u>	<u>%</u>	<u>R</u>
Total Disbursements				R
Contingencies 20%				R
<b>SUB TOTAL 3</b>				<b>R</b>
<b>Total Offered Professional Fee excl VAT to be carried to Form of offer</b>				<u>R</u>

**Table C : Additional Services for Mechanical Engineer**

A	Vertical Circulation Study	Hours	Rate	Total excl Vat
1	Category B	1050		
2	Category C	1050		
	<b>Total</b>			

B	Baggage Makeup Basement Optimisation Study (in-fed baggage)	Hours	Rate	Total excl Vat
1	Category B	1050		
2	Category C	1050		
	<b>Total carried to table D</b>			

C	BIM Implementation and Intergration	Hours	Rate	Total excl Vat
1	Category B	1225		
2	Category C	2250		
	<b>Total carried to Table D</b>			

**Table D: Summary of Additional Services for Mechanical Engineer**

All services (Normal and Additional services)	Amount	% discount offered	Total excl Vat

A	Vertical Circulation Study			
B	Baggage Makeup Basement Optimisation Study (in-fed baggage)			
C	BIM Implementation and Intergration			
	<b>Total to be forwarded to Table A against Total specialist/ additional services and or studies line item</b>			

**NOTE:**

Tenderers must be aware that the CIDB Best Practice Guidelines #A3 – Evaluating Tender Offers, will be used ensure that there is no gross under-pricing or over-pricing of submitted prices.

\*Project teams should make allowances for all communication and material commensurate with a project of this nature and value. This will include, but not be limited to, concept sketches, brochures with presentation material and user client sketches for approval, scale models, 3D representations etc. Note that the final rates utilised will be subject to prior approval by ACSA.

Payments for the additional services will be paid on a proven cost basis only.