

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 the Engineering Profession Act (46/2000).
2. The fee proposal must be a percentage fee based on the estimated total construction value of R45 585 500,00 for the Mechanical engineer (HVAC, Vertical Transport, Wet services, Baggage Handling System and BMS System Integration) and R10 540 000,00 for Fire Engineer (and Rational Fire Design). Consultant Fees will only be adjusted where the final cost of the works varies by more than 15% from the value on which the fee was determined at tender stage (Consultant appointment tender stage). 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. Bidders must include in their disbursement a once off amount of R10 000 to fund the Airport Access Permits and related Training per person allocated to work full time on this project. No mark-up to be levied on Permit costs. 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 25th 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 1: Mechanical Engineering: HVAC, Wet Services, Fire

GEORGE AIRPORT TERMINAL EXPANSION - Professional Services Fees				
Table 1 – Basic Professional Fees	Estimated construction value		R45 585 500,00	
Mechanical Engineer – HVAC, Wet Services, Vertical Transportation, BMS, Baggage Handling System	Fees as per Professional Engineers Act No 46 of 2000		Offered fees (Excl. VAT)	
Stage of Services according to ECSA	% of basic fee per stage	Amount (Excl. VAT)	% Discount offered	Offered Fee (Excl. VAT)
PHASE 1				
Work-stage 1 Inception	5%			
Work-stage 2 Concept and Viability	15%			
Work-stage 3 Design development	20%			
SUB TOTAL PHASE 1	40%			
PHASE 2				
Work-stage 4 Documentation & Procurement	20%			
Work-stage 5 Works / Construction	40%			
Work-stage 6 / 7 – Handover Close-Out	5%			
SUB TOTAL PHASE 2	65%			
Total Offered Professional Fee 20		<u>R</u>	<u>%</u>	<u>R</u>
Total Disbursements - include as a percentage		()	R
Total Specialist / additional Services and /or studies from table 1B				R
SUB TOTAL 3				R
Contingencies 20%				R
SUB TOTAL 4				R
Total Offered Professional Fee excl. VAT to be carried to Form of offer				<u>R</u>

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Table 1A: Additional Services for Mechanical Engineer

i	Baggage Handling System	Hours	Rate	Total excl. Vat
	Category B	2000		
	Category C	4000		
	Total carried to table 1B			

ii	Rational Fire Design and approvals	Hours	Rate	Total excl. Vat
	Category B	2320		
	Category C	4640		
	Total carried to Table 1B			

iii	Building Information Modelling (BIM) Services	Hours	Rate	Total excl. Vat
	Category B	1440		
	Category C	2880		
	Total carried to Table 1B			

iv	As-Built Drawings Survey	Hours	Rate	Total excl. Vat
	Category B	240		
	Category	480		
	Total carried to table 1B			

v	Level 3 Supervision (For all Mechanical Scope of Work)	Hours	Rate	Total excl. Vat
	Category C	4640		
	Total carried to Table 1B			

Table 1B - Additional Services Summary Table

i	All services (Normal and Additional services)	Amount	% discount offered	Total excl. Vat
	Baggage Handling Systems Designs and specifications (Carousels, Conveyors, Baggage Screening, etc)			
	Rational Fire Design			
	Building Information Modelling (BIM) Services for mechanical & Fire engineering			
	As-Built Drawings Survey and compilation			
	Level 3 Construction Supervision			
	Total to be forwarded to Table 1 against Total specialist / additional services and or studies line item.			

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Table 2: Fire Engineering

GEORGE AIRPORT TERMINAL EXPANSION - Professional Services Fees				
Table 2 – Basic Professional Fees		Estimated construction value		R10 540 000,00
Fire Engineer		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)
PHASE 1				
Work-stage 1 Inception	5%			
Work-stage 2 Concept and Viability	15%			
Work-stage 3 Design development	20%			
SUB TOTAL PHASE 1	40%			
PHASE 2				
Work-stage 4 Documentation & Procurement	20%			
Work-stage 5 Works / Construction	40%			
Work-stage 6 / 7 – Handover Close-Out	5%			
SUB TOTAL PHASE 2	65%			
Total Offered Professional Fee		R	%	R
Total Disbursements – include as a percentage		(%)	R
Total Specialist / additional Services and /or studies from table 2A				R
SUB TOTAL 3				R
Contingencies 20%				R
SUB TOTAL 4				R
Total Offered Professional Fee excl. VAT to be carried to Form of offer				R

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Table 2A: Additional Services for Fire Engineer – Rational Fire Design

	Rational Fire Design	Hours	Rate	Amount	% Discount offered	Total excluding Vat
1	Category B	2320				
2	Category C	4640				
Total to be forwarded to Table 2 against the Total specialist / additional services and or studies line item.						

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.

Failure to submit a priced offer using the prescribed schedules will make the bid liable for disqualification.

Do not leave any area blank in the pricing schedules (e.g. if not applicable (N/A) or included in cost elsewhere, indicate accordingly).

Bidder’s offers that contain correctional fluid will be disqualified. Corrections must be countersigned.

Airport Access Permit costs:

- Permit costs will need to be paid up front by the successful bidder and claimed back from the disbursement cost allowance for permits. Proof of payment for permits to support the claim will be required.
- No mark-up to be levied on Permit costs.
- All employees will be checked for criminal records.
- Cost for lost permits and new employees will not be reimbursed by ACSA.
- Foreign Nationals will need to provide a valid working permit.

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