

Quantity Surveying Services

1. Description of services

The Professional Quantity Surveyor from the appointed Service Provider will be required to perform in full the Standard and Additional Quantity Surveying services for the Domestic Terminals Expansion project at ACSA's Cape Town International Airport delivered as per the latest gazetted Guideline Scope of Services and Recommended Guideline Tariff of Fees in respect of services rendered by Persons registered in terms of the South African Council for the Quantity Surveying Profession Act, 2000 (Act No. 49 of 2000). The standard and additional services to be performed for the Quantity Surveying services shall be priced accordingly as per the pricing instruction.

1.1 Standard Scope of Service:

The Quantity Surveyor shall perform full standard services as outlined in the latest gazetted Guidelines for scope of services and Tariff of Fees Guideline in respect of services rendered by persons registered in terms of the South African Council for the Quantity Surveying Profession Act, 2000 (Act No. 49 of 2000).).

As outlined in the Scope of Work document (Part C3.1), the implementation of the Domestic Arrivals and the Domestic Departure projects had through the previous implementation (Pre-Covid 19) had both achieved Stages 1 and 2 completion. However, beyond these completed stages, only The Domestic Arrivals project had also achieved up to Stage 3 completion.

ACSA is now has re-activating these projects and has opted for a combined implementation of these projects as a single project. The completed Stages 1 and 2 will not be redone and the appointed Consultant' Team as part of this Bid will be required to activate the project by commencing with implementation of their appointed services from Stage 3 and also proceed with the subsequent project stages 4 to 6 once approval is received from ACSA.

Therefore, ACSA requires that the following statutory project delivery stages will be implemented by the appointed Professional Construction Project Manager in alignment with the Framework for Infrastructure Delivery and Procurement Management (FIDPM) stages outlined below in fulfilment of the required outputs per stage:

Appointed SACPCMP Stages	Equivalent FIDPM Stage Appointed for	Required Stage Gate Output
Stage 3	FIDPM Stage 3	Detailed Design Development Report
Stage 4	FIDPM Stage 4	Design Documentation and Procurement
Stage 5	FIDPM Stage 5	Construction and Works Completion
Stage 6 (Spilt the stages as FIDPM)	FIDPM Stage 6	ORAT and Handover Documentation
	FIDPM Stage 7	Final Completion and Close Out

For the appointed services to proceed to stages 4 – 6 (FIDPM 4 – 7), it will be subject to ACSA's approval, of which such approval is strictly subject to ACSA's Investment decision – refer to section 2 below.

1.2 Additional Scope of Service:

The following additional Scope of Service shall be performed through the appointed Quantity Surveyor:

a) Transformation Agent services

This will be an additional service where the Quantity Surveyor must be resourced to carry out the responsibility of implementing ACSA's Transformation Imperatives / Strategy for the project and incorporation of relevant Policies and Legislative requirements that aims to generate growth and facilitates empowerment and opportunities for targeted enterprises. The strategy will be tailor made and is required to be project specific considering the particular set of requirements that the locality presents. It is not necessarily limited to any or all of the following:

1. Implement ACSA's Transformation Strategy and other relevant Policies and Legislative requirements for the project. The project aims to generate growth and facilitates empowerment opportunity. The strategy is required to be Location or Site Specific to the Cape Town International Airport and the local community within the Airport Precinct, where feasible.
2. Submission of a Transformation Proposal (Contract Participation Goals of minimum 51%) for the contract in line with following BBB-EE pillars:
 - i. Equity
 - ii. Management control and employment equity
 - iii. Skills development
 - iv. Enterprise and supplier development
 - v. Socio economic development
3. Set Targets for local labour work opportunities, local supplier development and training and maximize specific contract participation targets in line with (but not limited to):
 - vi. ACSA Transformation policy.
 - vii. ACSA TSS Transformation Policy.
 - viii. Available procedures.
 - ix. Stated targets.
 - x. CIBD guidelines
 - xi. BBBEE Act 53, As amended by BBBEE Amendment Act 46 of 2013.
 - xii. BBBEE codes of good practice (May 2015).
 - xiii. PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT,2000.
 - xiv. PROCUREMENT REGULATIONS, 2017.
 - xv. ISO 10845.
4. The Transformation Agent will prioritise local content in specification with a 100% premium margin (subject to the Treasury, Department of Trade and Industry and SABS Standards Division guidelines/ practice notes in relation to local production and content) and local labour per following prioritisation order:
 - i. 5km radius of the Capet Town International airport.
 - ii. Western Cape.
 - iii. South Africa.
 - iv. SADC Region.
 - v. Africa.
 - vi. Other
5. Rationalise packaging of construction contracts to create more opportunities for lower CIDB level contractors.
6. Develop opportunities for designated groups to access contract participation by breaking the contract down into the full value chain and give specific weighting to priority elements.
7. Provide full analysis that identifies the transformation needs, skill levels, local resource capacity, appropriate use of local technology and supplier capacity.

8. Auditing, monitoring, evaluating and reporting on achievement targets through the various stages of construction.

The transformation agent is expected to play an active role throughout the lifecycle of the project as follows:

Stage 3: Transformation Proposal Acceptance

- Concluding the terms of the client/transformation agent professional services agreement with the client.
- Receive from all Consultants appointed in the project their Transformation commitments issued during the tender period.
- Discuss and obtain detailed transformation plans from the Consultant companies and review for acceptance.
- Assist in developing a clear project specific transformation strategy as part of the project brief in line with ACSA transformation approach and policy.
- Submit and discuss with the Client the submitted detailed transformation plans from the Consultant and obtain Client's feedback and approval.
- Advise on the procurement strategy for the appointment of the contractor to ensure that transformation targets are achievable.
- Attend Client and Consultants' meetings.
- Attending fortnightly design and consultants' meetings
- Receiving relevant data and cost estimates from the other professional consultants in order to ensure that the transformation strategy is a key driver for the project.
- Liaising, co-operating and providing necessary information to the client, principal consultant and other professional consultants in order to determine the contract participation goals (CPG) for emerging contractors.
- Preparing draft transformation strategy with reference to preliminary and elemental or equivalent estimates of construction cost.
- Reviewing the documentation programme/ cost estimates/ design specifications with the principal consultant and other professional consultants.
- Receiving relevant data and cost estimates from the other professional consultants.
- Preparing detailed project specific CPG strategy for the Consultants and Contractors.
- Research and outline all risks pertaining to implementation of the Clients Transformation strategy/proposal.
- Liaising, co-operating and providing necessary information to the client, principal consultant and other professional consultants and for which the following deliverables are applicable:
- Prepare and Submit Detailed transformation strategy/ proposal with CPG targets (and CIDB B.U.I.L.D) for approval in line with the following BBB-EE pillars:
 - xvi. Equity
 - xvii. Management control and employment equity
 - xviii. Skills development
 - xix. Enterprise and supplier development
 - xx. Socio economic development
- Discuss and record and include all mutually agreed additional services.

Stage 4: Documentation and procurement

- Attending Client and consultants' meetings.
- Monitoring and reporting on the implementation of Transformation imperative for all the Professional Consultants appointed on the project.
- Assisting the principal consultant in reviewing working drawing, specifications, estimates etc. to ensure compliance with approved transformation strategy.
- Preparing documentation for both principal and subcontract procurement to comply with transformation targets (including CIDB B.U.I.L.D) and for inclusion in the tender document/s.
- Assisting with preparation of contract documentation for sign off.
- Outline scope of service of a Community Liaison Officer (CLO) to be appointed within the Main Contractor.

Stage 5: Construction

- Monitoring and reporting on the implementation of Transformation imperative for all the Professional Consultants appointed on the project.
- Establishing and maintaining a financial control system to ensure contractors' adherence to the Transformation strategy/ deliverables.
- Conduct monthly audits throughout the construction period for all construction work packages / phases.
- Attending Client, Consultants' and Contractor meetings.
- Obtain progress reports from the Community Liaison (CLO) officer on the implementation of target community involvement initiatives outlined in Contractors Transformation plans.
- Participate in all engagements / meetings between contractor/s and CLO on transformation matters.
- Preparing detailed reports/ schedules/ forecasts/ status reports of cash flow/ spend to ensure CPG targets are met in line with the Transformation plan commitments by contractor/s.
- Implement corrective action in consultation with the consultant team, the contractor/s, the client and other stakeholders (i.e. local community, tenants and general public if necessary) in the event of non-performance.
- Monitoring and reporting on the implementation of the CIDB B.U.I.L.D programme by the appointed Contractor/s.

Stage 6: Close out

- Work with the project Lead Quantity Surveyor in concluding final account(s), identifying and confirming final transformation targets met in the project.
- Attending Client and consultants' meetings.
- Preparing detailed final transformation report including lessons learnt.
- Participate in compilation of a Close Out Report until sign off by ACSA.
- Prepare handover pack for discussion and approval by the Client.
- Discuss and record and include all mutually agreed additional services.

2. Extent of the appointed of Services:

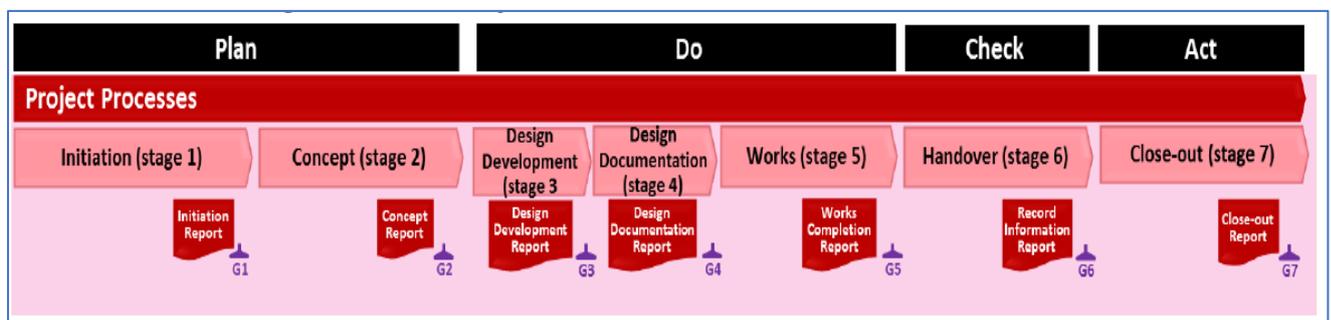
The first phase of the appointment is for provision and successful completion of the SACPCMP Stage 3 services. It is at this important junction that ACSA will, through the Executive Project Sponsor, apply for an investment decision for the project. The approval thereof by ACSA (and notification to commence) will trigger the second phase of service. The second phase being for the professional team to commence with SACPCMP Stage 4 – 6 (FIDPM

4 – 7): Tender preparation, procurement of the construction Contractor/s, monitor and manage the construction team, handover and project close-out (Linked to FIDPM Stages) within the confines of the investment decision taken by the Employer.

The project will be managed as per National Treasury FIDPM. The extent of appointment is thus from FIDPM Stage 3 - 7 and implemented in two phases as follows:

- Phase 1 (FIDPM Stages 3) and,
- Phase 2 (FIDPM Stages 4 – 7).

The Framework for Infrastructure Delivery and Procurement Management (FIDPM) is “primarily focused on governance decision making points as well as alignment and functions to support good management of infrastructure delivery and procurement processes.” All consultants are expected to be familiar with the FIDPM processes and are expected to perform their duties in line with these requirements.



The IDM Project Processes (FIDPM,2019)

The extent of services required by the Employer from the Quantity Surveyor can be summarized as, but not limited to, the following:

- Provide high-quality technical support and advice to facilitate the initiation, planning, preparation, design, procurement, construction, and contract management, monitoring and reporting on the identified infrastructure projects.
- Implementation of projects in accordance with the FIDPM with particular focus on the planning, preparation, appropriate procurement, construction, monitoring, quality control, cost control, risk identification, risk management and control, co-ordination, stage gate requirements and reporting.
- Provide continuous monitoring and reporting on the implementation of project work against baselines and where necessary the formulation of interventions, in consultation with stakeholders, to minimize / eradicate obstacles, delays, cost overruns and schedule slippage. Ensuring that the Contractors and Sub-contractor’s technical proposals and drawings confirm with the design and specification requirements.
- Providing all necessary contract administration to monitor the various Contractors/ Sub- contractors diligently and timeously in the execution of the contract works, and in the event of problems being experienced, immediately notify the Clients representatives as the case may be, so that action may be taken.
- The project will entail the relocation of ACSA Operations and 3rd party Coordination to a temporary facility and back to their final location. This movement and the processing of their operations and

associated office space, furniture, equipment is a key output and is deemed to be included in the scope of works for the professional consultant team.

- Visiting the works of relevant Contractors and Suppliers to ensure satisfactory quality control and correct utilization of materials in the fabrication process.
- Whilst most relevant to the Project Manager and the Quantity Surveyor, all service provider must note that they are expected to provide updates and revisions to the budget (or provide support in line with their respective discipline) in parallel to design development throughout the course of the project i.e., as part of ALL individual FIDPM Stage reports. ACSA will require the costs to be presented in a format that will aid decision making where separate BOQ's will be required for different zones and or levels for the proposed development.
- The demolition of the existing infrastructure is a key aspect of the Project. All aspects of the ACSA impairment and retirement procedure is to be included in the scope of the project and is deemed to be a part of the consultant team scope of works. The scope includes the requirement of identifying the assets that are to be demolished and identified for write off. High value assets that are to be disposed are to be identified and included in the BOQ for the Demolition Contractor. The consultant team will play a key role in ensuring the collection of a recoverable amount for an asset's fair value less costs of disposal and its value in use.
- Compilation of a project execution and management plan and continuous update thereof.
- Design Development (Optioneering) – Budget Preparation and Cost Benefit Analysis
- In the event of additional Scope: Preparation of Documentation for consideration of scope change / use of Contingency.
- Compiling and providing BOQ's per building zone.
- Management and production of documents for the Multi-Procurement processes.
- Optioneering and associated budgets to assist with decision making.
- Temporary Enablement Works conceptualization and costing of options.
- Cost benefit analysis per completed stage of execution and issuing of cost benefit reports to ACSA at completion of each stage.
- Compilation of life cycle costing for the project.
- Cost effective project delivery Strategy.

3. Key Personnel

Should it become necessary to replace any of the key personnel listed during this contract, they may only be replaced by individuals with similar or better qualifications and experience, who satisfies the minimum requirements and can be replaced only with prior written approval of the Employer. While the bid requirements are for one visible / Lead resource, we expect that the Lead resource will be supported by a full team, as per the tenderers Project Resource Organogram, to make sure that project objectives are met and timeous delivery is not compromised.

4. Use of reasonable skill and care

- The service provider is required to provide all aspects of the service with all reasonable care, diligence and skill in accordance with generally accepted professional techniques and to ensure that all legal requirements are met, and that all legal processes are adhered to.
- The Bidders' attention is drawn to the fact that the proposed infrastructure is to be built at an operational airport with substantial aspects of the work to be done on the Airside. The safety of persons and property is of paramount importance, closely followed by the minimization of disruption and inconvenience to passengers. The service provide is to adhere to ACSA Occupational Health and Safety and AVSEC always. No leniency will be granted for breach of policy.
- Access to all Airport Departure and Arrival areas to always remain free of obstruction.

5. Co-operation with other service providers

- In addition to the appointment of professionals, ACSA may also appoint other consultants for delivery of the project.
- The service provider will be required to Liaise with other appointed professional service providers on design, time control and budgetary aspects of the project and reporting on progress and selection of various materials and components on the project.

6. Applicable Standards

- The service provider shall ensure cognizance of, and adherence to all applicable national standards and codes, quality standards, design standards, statutory and audit compliance are taken into consideration in the execution of its work in the design and compilation of specifications for this project.
- Projects will be managed in accordance with the ACSA Project Management Manual and Processes.
- All CAD data must adhere to the standards and requirements set out in the ACSA.
- Timeous submission of all necessary plans and drawings to the relevant Authorities and expedite the necessary approvals and permission to proceed, including any negotiations in this regard.

7. Access to site

- Access to public areas is not restricted, however, personal access permits are required (with criminal checks) for access to restricted areas. The service provider will be required to apply for such personal access permits prior to commencement of the project.
- All resources must wear a personal access permit at all times when on site.
- All resources are required to return expired permits or valid permits to ACSA at the completion of the project. Failure to maintain a record of the issue of permits, to return to will lead to the implementation of penalties / and or fines at the discretion of ACSA.

8. Format of communications

- All communications must be in writing by means of letters and e-mails only. Design documentation, drawings, etc. must be in hard copy and electronic format.

- All consultants are to ensure that the flow of information is done on ACSA Approved Platforms i.e. Microsoft Projects, Office 365 etc. All information storage is to be limited to approved file hosting services/ cloud storage solutions such as One Drive, Microsoft Teams and Microsoft 365.
- All information relating to design and documentation created is the sole proprietorship of ACSA.
- All information/ documentation/ reports/ layouts etc. are to be made available in ANY format prescribed by ACSA including editable formats such as CAD (inclusive of AutoCAD and Revit).
 - No file names are to be longer than 25 characters incl. of spaces and hyphens.
 - File names cannot contain the following characters: & " ? < > # { } % ~ / \.
- All final reports must be supplemented with a MS PowerPoint presentation summarising the main components of each report.

9. Management Meetings

The proposed development represents a major development that is complex and with a large stakeholder base, both within ACSA and externally.

Attendance is required for regular meetings, including (but not limited to) progress, design, technical coordination, cost review, risk review, project board and project management meetings which will be scheduled during the life of the projects appointed for.

All reports relevant to the projects, including but not limited to the design reports, monthly progress reports, ad-hoc reports and close out reports will be submitted on set project calendar dates or as and when required by the Employer.

It is envisaged that during the Project Implantation the following meetings and attendance (but not limited to) will be required:

- Management Meetings: During the initial stages of this project (Planning, Studies, Investigations and Assessments; Inception; Concept and Viability and Design Development) the service provider may be expected to attend fortnightly Project Board management meetings and progress meetings with the Employer.
- Project Board Meetings
- Design Development Meetings
- Cost and Risk Review Meetings.
- Project and Airport Stakeholder meetings (Monthly and adhoc).
- ACSA Cross Functional Team Meetings.
- The service provider shall be required to attend design development and technical review meetings with the design team and designated representatives of the Employer. These meetings will be structured to gain final approval of the Employer for all design aspects of this work.
- Site/Technical Meetings.
- Adhoc meetings between specific professional consultants and relevant ACSA personnel to facilitate design coordination, design standards, design specification and input & approvals thereof.

- During the Contract Administration and Inspection stage of this project, the service provider shall attend all site meetings with the Employer and contractor present.
- Ad-hoc Meetings: The service provide will be expected to attend ad hoc meetings from time to time, with the Employer, Stakeholder Groups, affected 3rd Party Stakeholders (Local Airport users such as Airlines, Ground Handlers, Retailers, Government Agencies), Airline Industry Committee Working and Steering committees or service or other authorities, to address specific issues as and when the need arises.
- General: The service provider shall be represented at all meetings by the lead-built environment professional or a senior member of staff (with the approval of the ACSA PM).
- The frequency of above meeting is envisaged to be twice a week and on adhoc basis.

10. Copyright

- Copyright pertaining to all drawings and documentation for the project must be ceded to ACSA at completion of each project stage. Electronic (CAD, PowerPoint and PDF) copies and hard copies shall be issued for all completed stages, including optioneering drawings / designs / documents.

11. Non-disclosure

- All information including design information, annexures and other supporting documentation regarding these projects may not be shared with 3rd parties without written consent of ACSA Procurement and ACSA Legal. All parties and companies involved in this project will be required to sign a non-disclosure at appointment. As part of internal information dissemination, additional non-disclosures from relevant ACSA Divisions shall be signed off by Consultants during execution of the project.

12. Professional indemnity and public liability insurance

- A Service Provider awarded services for a project value of more than R50 million (Excl. Vat) should produce a valid Professional Indemnity cover not less than R10 million.
- For projects below R150 million, the professional service providers must source Public Liability cover for a limit of:
 - Not less than R75 000 (seventy-five thousand rands) for each and every claim, for damage to third-party property
 - Not less than R75 000 (seventy-five thousand rands) for each and every claim, for removal of lateral support, where applicable.
- For projects on the airside, the service provider must source a valid Aviation Liability insurance for a limit not less than USD250 000 (Two hundred and fifty thousand US dollars).
- Additional Insurance and Profession Indemnity cover in line with ACSA's Requirements will be requested as and when the bidders are allocated scope of works for pricing of specific projects after they have been appointed.
 - The insurance requirements must remain valid and in place until Final Completion of the project.

13. As-Built documentation

All Consultants appointed for the panel will be required to submit As-Built documents for all projects that get appointed for. At submission of such documents to the Client (s), Consultant will be required to provide written and

signed off confirmation that the As-Built drawing information submitted to the Client is a true reflection of what is built on site for the particular project.

14. Contract Termination

The form of contract and associated contract data, Professional Council's Recommended Fee Guidelines, Standard Scope of Works are all relevant and will form the basis of appointment and contractual management. In the event of any conflict or inconsistency between the terms and conditions of this contract and any other documents, including but not limited to the tender document, specifications, exhibits, or attachments, the following clarifications shall take precedence over any contradictions, amendments, or provisions found elsewhere:

The proposed development requirement is directly dependent on:

- Aviation Demand and User Need
- An approved Business Case with an anticipated return on investment.
- The receipt of an investment decision by the ACSA Mandated Authority, Executive Sponsor / and or Executive committee.

In the event of the project no longer being required or the non-receipt of the investment decision, ACSA reserves the right to suspend and or terminate the works and associated appointments at the conclusion of any of the FIDPM Stages. The payment of Termination Fees will be strictly limited to 10% of the remaining stages of the project as stipulated in the contract.

In the event of termination, the 'construction value' used for the determination of termination fees, will be exclusive of escalation and (unapproved/ unallocated) contingencies.

15. Planning & Programming

A program for delivery of the project is required and must be updated at intervals not exceeding 4 weeks. The service provider must also provide input for the other programs as required.

High level estimated duration to achieve completion of each project milestone are as follows (Refer to scope of work for estimated activity duration from the project):

Activity	Target Completion date	Notes
Appointment of Consultants	November 2024	Estimated, subject to tender responsiveness and procurement processes.
Project Familiarisation (Review previously completed and approved Stage 1 & 2 reports)	December 2024	Previous Stage 1, 2 & 3 documents familiarisation
FIDPM Stage 3	April 2025	Detail design development (Stage 3)
Employers Investment Decision Approval	June 2025	Process for Employer to apply for Investment Capex
FIDPM Stage 4 Documentation	July 2025	
ACSA Procurement of Main Contractor/s, Appointment & Adjudication and Award Processes	March 2026	Tender documentation & Main Contractor procurement process
FIDPM Stage 5	July 2028	Includes Enablement Works / Decanting, and Phasing of Works to allow for Sectional Completion
FIDPM Stage 6 and ORAT	September 2028	ORAT & Handover documentation
FIDPM Stage 7	August 2029	12 months defects liability period, Final Completion and Close out Report

The above dates are high level and indicative but can be used to inform assumptions of the tenderers proposed work plan / programme / schedule AND project approach / methodology.

Professional Consultants are to be mindful of the FIDPM requirements for Stage 7 (Close out) pertaining to issuing of Final Completion Certificate. Importantly, ACSA has made it a standard contract requirement that the Defect Liability period is 12 months after Practical Completion, leading to issuing of Final Completion certificate. Therefore, the final retention amount and the final professional fees will be paid subsequent to certification of final completion after 12 months from date of Practical Completion.

It will be required at Stage 3 that professional Consultants produce a work plan that seeks to achieve optimised delivery of the design development stages to achieve programme optimisation, including construction phasing that will improve construction duration and does not result in acceleration costs.