TERMS OF REFERENCE

LESOTHO INTEGRATED TRANSPORT, TRADE AND LOGISTICS PROJECT (LITTL-P)- (P502125)

Design Review & Updating of Bidding Documents, Pre-contract Services, Construction Supervision and Post Contract Services for The Upgrading to Bitumen Standard the Thaba-Tseka to Katse Road Project (+/- 55 km) in The Thaba Tseka District

1.0 BACKGROUND:

The Kingdom of Lesotho is a land-locked country by the Republic of South Africa (RSA) at a size of about 30,500 km² and a population of about 2 million. The country's fortunes are inherently tied to RSA, which provides Lesotho with access to global markets, its migrants with livelihoods, and influences its national currency, the Loti, which is pegged 1:1 to the South African Rand. The country is characterized by extremely mountainous terrain over approximately two thirds of its area, in which population density is relatively medium. The development of the country's transport infrastructure in the remote mountain regions (such as Thaba-Tseka), is part of the National Strategy to reduce poverty by promoting economic growth and improving access to socio-economic services such as Agriculture, education, health, social welfare, and administrative services. Improving access for major population centers to key border posts and supporting logistical infrastructure to develop productive sectors in lagging regions is a key strategic objective of the government as per the National Strategic Development Plan II.

Lesotho's growth and development are constrained by the untapped potential for regional integration with South Africa, and indirectly, other neighboring countries. The Southern Africa Tran-frontier Conservation Area (TFCA) treaty was founded on the realization that natural resources straddling boundaries between the Southern African Development Community (SADC) destinations are shared assets that contribute to regional integration, socio-economic development, and biodiversity conservation. As part of the treaty, Lesotho has identified the Maloti Drakensberg Trans-frontier Corridor (MDTC), which includes four road corridors covering the eastern portion of the country and including the proposed Katse to Thaba-Tseka road project (Corridor 3 of the MDTC), as critical to the SADC regional integration agenda. Further, the establishment of a "Bi-national Commission treaty" signed between the

governments of Lesotho and South Africa on November 25, 2021, has identified several areas of cooperation including development of economic corridors, trade and logistics, border management, and implementation of MDTC.

Lesotho has nine border crossings open for commercial trade with South Africa, with three borders (Maseru Bridge, Maputsoe-Ficksburg, and Caledonspoort) operating 24 hours a day and with the Maseru Bridge crossing in the west and the Maputsoe-Ficksburg crossing in the northwest handling most of the activity. Trade routes to the east and south are constrained by high mountains and undeveloped road infrastructure, and, thus, under the proposed project, the Katse to Thaba-Tseka road investment would close the missing link from the Thaba-Tseka district to the Maseru and Leribe districts, which are key economic and export hubs. Improved border infrastructure with harmonized digitally enabled joint border procedures with South Africa could minimize time and costs at the two main borders. Investment at the Qacha's Nek border, the only commercial border in the east, would provide improved access from eastern Lesotho to South African markets including the city of Matatiele, South Africa, which is only one hour from the border, compared to Maseru which is three hours away. This also provides another step in improving east-west regional integration and creation of a regional corridor with the Port of Durban.

The Lesotho Government has requested the International Development Association (IDA) through the World Bank for possible financing (in the form of a Credit), to assist the Government in achieving its objectives with this policy and strategy. The total original cost of the LITTL-P is estimated at US$80 million. Under the proposed LITTL Project, ***IDA will fund Upgrading of Katse to Thaba-Tseka Road corridor to paved standard and Spot improvements along the A1 Economic corridor (Maseru to Botha – Bothe); Regional Trade, Integration, and Logistics Services; Technical Assistance and Capacity building and Contingency Emergency Response Component***.

It is anticipated that LITTL-P will be completed over a period of ***five years*** and will include civil works involving A8 road upgrading and A1 spot improvements with Intersection improvements and bridge rehabilitation, Smart One Stop Boarder facilities at Maseru Bridge and Maputsoe-Ficksburg border crossings, and improvement of Qacha's Nek border facilities, Inspection and laboratory testing facilities and Climate controlled community-level horticulture packing and storage facilities (cold chain), as well as Technical Assistance and capacity building. ***The project became effective on September 26th, 2024 and is expected to be completed by December 31st, 2029***.

The overall Project Objective is to improve climate resilient regional connectivity on the Katse to Thaba-Tseka road corridor and reduce the costs of at three of Lesotho's commercial borders with South Africa. In particular to:-

a) Reduce Travelling time along the A8 corridor
b) Increase Road users' benefits from climate resilient road infrastructure along the project corridor by amongst others; reducing vehicle operating costs
c) Reduce end-to-end border crossing time for commercial traders through implementation of smart border systems at Maseru Bridge and Maputsoe-Ficksburg crossings

LITTL-P implementation (for Component 1 and road related aspects of Component 3)[1] will be through The Road Directorate (RD) of the Ministry of Public Works & Transport (MoPWT) established by the Roads Directorate Act No 16 of 2010 as a Government of Lesotho's semi-autonomous corporate statutory body whose key mandate is to implement government policy on roads related matter through the road network planning, development and maintenance, undertake quality assurance on all roads and construction of rural footbridges. This ToR is therefore prepared in line with the mandate of the RD to employ a professional consulting firm who is to provide engineering consulting services for the Upgrading of Katse to Thaba-Tseka Road corridor to paved standard. The ToR is not exhaustive, and the successful consultant is required to deliver the assignment following state-of-the art professional standards and quality, as per the Client engineer's role.

2.0 OBJECTIVE:

The overall objective of the consultancy is to conduct design review and updating of cost estimates, update bidding documents, provide assistance during tendering process, provide construction supervision and post construction services of the upgrading of the gravel road along Katse to Thaba Tseka Road to climate resilient bitumen standard and drainage structures.

Specific Objectives

a) Review the current design to identify any gap and update as necessary including provisions for climate resilience and revised cost estimate of the works.
b) Review the bidding documents and update necessary to ensure compliance with the World Bank Procurement Regulations for IPF Borrowers, Firth Edition September 2023 and Standard Bidding Documents for Large Works latest version including the inclusion of the provisions for Rated Criteria.
c) Assist the Employer during Tendering process.
d) Provide Construction Supervision Services and advise Roads Directorate on all the matters concerning the implementations of the projects, including the quality control, implementation issues and the issues of dispute adjudication; and
e) Provide all post contract services.

3.0 SCOPE OF CONSULTING SERVICES

Design review of the design documentation of the Economic Feasibility, Environmental and Detailed Engineering Design, and the Tender Documentation, Pre-contract Services, Construction Supervision and Post Contract Services for the Upgrading of the 55 Kms Thaba-Tseka to Katse Road to Bitumen Standard, was carried out between the period of January 2020 and December 2022. The scope of the project assignment included, but not limited:

[1] The project consists of the following component:
Component 1: Road Corridor Infrastructure Development
Component 2: Regional Trade, Integration, and Logistics Services
Component 3: Technical assistance, capacity building, and project management

1. Feasibility Study
2. Topographic Survey & Detailed Geometric Design;
3. Geotechnical investigation;
4. Environmental & Social Impact Assessment
5. Services affected and Land Acquisition Requirements/Documents;
6. Materials & Pavement investigations & Design;
7. Hydrological Study & Drainage Design;
8. Foundation Investigation and Design of Drainage Structure(s) and
9. Preparation of Tender Documents for construction works contractor selection including the cost estimates.

The scope of services shall be undertaken in three phases and namely

1. Phase 1 – Design Review, Review and Updating of Cost Estimates and Tender Documentation and Pre-Contract Services/Assistance during tendering.
2. Phase 2 – Construction Supervision
3. Phase 3 – Post- Contract Services

PHASE 1- DESIGN REVIEW, TENDER DOCUMENTATION REVIEW AND PRE-CONTRACT SERVICES

The Consultant shall review the existing design to ensure that they are consistent with the COLTO Standard Specifications for Road and Bridge Works, Lesotho Design Standard and while taking cognisance of the SADC Roads & Bridge Design Standard & Specifications and SADC Road Traffic Signs Manual for regional compliance.

The following non exhaustive activities shall be undertaken:

A. Design Review:

a) Traffic study and analysis review by application of growth factor utilizing the existing data done bi-annually be the client
b) The Effects of climate change on existing design
c) Review on the Topographic and analysis of geometric design by auditing the compliance of the existing design to design standards where necessary collect data to enhance any deficiencies in the existing alignment.
d) Hydrology and Hydraulics Design review and (model in the effects of climate change)
e) Geotechnical and Foundations design reviews
f) Materials and pavement investigations design review to ensure that enough materials are available for the road pavement layers

g) Preparation of Construction works contract procurement documents and tender support (Tender Documentation, evaluation, and Cost Estimates) in line with World Bank's standard bidding documents and procurement regulations.
h) Preparation of the project quality assurance and management plan
i) Review and prepare all the necessary environmental requirements
j) Review and updating of Environmental and Social Impact Assessment (ESIA), Environmental and Social Management Plan (ESMP), Heritage Impact Assessment, Social Impact Assessment in line with the World Bank Environmental and Social Framework.
k) Ensure that construction drawings are fully developed with the necessary detail to facilitate no backlogs during construction
l) Review and updating of the Resettlement action plan.

B. Tender documentation and Pre-contract services:

1. The Consultant shall produce all tender documentation and provide tender support services,
2. Assist the employer with conducting the site visit
3. Respond to clarifications and queries from potential bidders.
4. Undertake tender evaluation and recommendation of preferred bidder,
5. Prepare the contract agreement dossier for signature by the Employer and recommended bidder.

PHASE 2: - CONSTRUCTION SUPERVISION

On carrying out this task, the consultant shall take all contract management activities as per General Conditions of Contract for FIDIC 2017 and Special Conditions of Contract as provided under the World Bank's Standard Procurement Document and undertake the following activities though not limited to**:**

a) Organise a team suitable for the supervision of the works upon award of construction contracts;
b) Prepare a site quality assurance plan of supervision works compatible with the accepted program of the Contractor.
c) Provide all necessary engineering services, contract management, cost, time and quality control and assurance of the works executed consistent with the agreed terms and conditions.
d) Oversee all Health and Safety matters.
e) Ensure compliance with the project ESMP;
f) Make field measurements of the progress of the work and keep up-to-date records;
g) Check and certify payment certificates for payment by the client (RD);

h) Proactively manage any contractual risk, including review of claims for additional compensation and/or extension of time and recommend appropriate actions on a timely basis in accordance with the Construction Contract and good engineering practices.
i) Identify and check suitable land expropriation and recommendations;
j) to issue variation orders, in consultation with RD, to fix rates for un-priced items of work, to order day-works after obtaining prior approval of RD;
k) Prepare variation order and assist RD in negotiations necessary for execution of the changes;
l) Conduct provisional acceptance of completed works, assure quality of any defect correction works and conduct final acceptance following the provisions of the contract agreement and good engineering practices.
m) Prepare "As-built" drawings and all necessary final reports.

The Consultant is to carry out all these duties in accordance and in compliance with the duties of the "Engineer" as defined in Works Contract.

PHASE 3: - POST CONSTRUCTION SERVICES

After the issuance of the taking-over certificate at the end of the normal supervision period, the Consultant shall perform the following duties, amongst others, if requested by the RD:

a) The Consultant shall periodically check the completed work, section by section, during the maintenance period.
b) The Consultant shall supervise the construction of the outstanding works and/or remedial works during the maintenance and shall approve such works upon completion.
c) Shortly before the end of the maintenance period the Consultant shall carry out the necessary inspections, specify the rectification work to be carried out, supervise this as required and finally issue the Completion Certificate after consultation with the RD, and after all noted defects have been corrected by the Contractor, to the Consultant's satisfaction. The Consultant shall then prepare the Final Completion Certificate of Payment to the Contractor and a Final Statement of Account. He shall further make recommendations to the RD for the return of any outstanding bonds, guarantees and so forth provided earlier by the Contractor.
d) In the event of claims outstanding at the end of the normal supervision stage the Consultant shall assist the RD in their settlement and, in case of arbitration or litigation, the Consultant shall be called upon to assist the RD's legal office representative before the court of law or arbitrators until the finalization of the case. No payment shall be made to the Consultant when the arbitration or litigation is shown to arise due to the Consultant's failure to act properly and judiciously during the performance of his duties.
e) On completion of the above services the Consultant shall complete and submit to the RD a final report which will be compiled according to the format of the Project Completion Report which is to be submitted to the Government by the RD

4.0 SCHEDULE FOR COMPLETION OF TASKS

The estimated duration of the assignment is as follows: 6 months for Phase 1, 42 months for Phase 2, and 12 months for Phase 3. The durations will cover all the phases of the contract after the signing of the contract with the Roads Directorate.

Phase 1: Shall commence upon award of the Contract for the duration of 6 months.

Phase 2: Shall commence at the date and final issue and approval for phase 2 for the duration of 42 months

Phase 3: This phase shall commence on the date of issue of the taking-over certificate and shall last for 12 months defects notification period till the issuance of completion certificate, submission of completion report and As-Build Drawings

The Contract will be signed in two parts. Part one will comprise Phase 1 while part two will comprise phase 2 & Phase 3.

5.0 DATA, SERVICES, AND FACILITIES TO BE PROVIDED BY THE CONSULTANT

The successful consulting firm is required to deliver the assignment at high quality and timely manner taking full responsibility. The Client is supposed to provide data and facilities as indicated in item no. 6.0 below. Other than that, the consultant is fully accountable including, but not limited to ensuring that experts are adequately supported and equipped to deliver the assignment with highest professional quality. In particular, the Consultant must ensure that there is sufficient administrative, secretarial provision to enable experts to concentrate on their primary responsibilities. The Consultant shall ensure that its employees are paid regularly and timely. The Consultant shall pay travel expenses and vehicles for inspection and all other transport of his staff, equipment, supplies, surveys, investigations, testing, telecom equipment and services and consumables, secretarial services and all other input required for the purpose of the assignment for proper delivery. These costs should be included in the Consultant's Financial Proposal.

Office accommodation for each expert working on the contract is to be provided by the Consultant. However, office accommodation for supervision staff will be provided under the Works Contract during construction supervision.

6.0 DATA, SERVICES, AND FACILITIES TO BE PROVIDED BY THE CLIENT

The Roads Directorate (RD) will be responsible for the following:

Documents and Reports

RD will provide to the Consultants all such documents, data and reports available and relevant to the planned study and where necessary, assist with obtaining from third parties. The

Consultant shall be responsible for the correct interpretation and dissemination of the data and information so gathered. All such documents, data and information shall be treated as confidential and shall not be used for any other purposes not related to the present study.

Liaison

The RD shall facilitate liaison with other Government Ministries and Departments and other related agencies and organizations which the Consultant may wish to consult or contact during the course of this study. However, the consultant is free to consult or contact any one of these organizations or agencies without involving RD, if it so wishes.

Visas, work and residence permits etc…

It is the responsibility of the successful Consultant to meet the entry and residential requirements of Lesotho. RD will facilitate the process of meeting these requirements by issuing relevant introduction letters but shall not be responsible for securing any permits

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All documents prepared and submitted as part of the assignment shall remain the property of the Roads Directorate therefore shall neither be copied nor duplicated for use for any other purpose other than this assignment without the written consent of the Roads Directorate.

7.0 DELIVERABLES, PERIODIC REPORTS, AND FINAL OUTPUTS

The consultant shall keep full records relating to the performance of the work covered by this Agreement and such records shall be available for inspection by the Client at all times. In particular, the Resident Engineer shall keep detailed diaries concerning the execution of the work and related matters. The Consultant shall also prepare and submit the following reports and dates indicated.

No	Deliverable	Time frame	Soft copy + Bound Copies
Phase 1	1. Inception Report 2. Design Review Reports 3. Updated Environmental and Social Reports 4. Updated Tender/Bidding Documents 5. Tender/Bid Evaluation Report and Recommendation to Award 6. Draft Contract for signature Any other reports as may be appropriate	1. In 1 month of signing & effectiveness of the contract 2. In 3 months of signing & effectiveness of the contract 3. In 3 months of signing of the contract 4. In 4 months of signing of the contract 5. In 5 months of signing of the contract 6. In 6 months of signing & effectiveness of the contract	1+5
	Environmental and Social Reports	With 6 months	1+15

No	Deliverable	Time frame	Soft copy + Bound Copies
Phase 2	Monthly progress reports Quarterly contract cost and time monitoring and projections report	Every first week of the Months Quarterly	1 + 6
Phase 3	Completion Report and As Build Drawings	Within 28 days of completion of part two of the contract	1 + 6

Design Review Report: - The report shall include initial findings, recommendations and improvements (if any), incorporation of approved changes in the designs and tender documentation, detailed work program, staffing and methodology of work.

Report of Field investigations, construction activity and surveys: - The consultant shall prepare and provide the Client with a report on design review engineering and other field surveys. The report shall include at least the following:

a) Graphical presentation of a layout;
b) Graphical and numerical presentation of the results;
c) Results of geotechnical and hydro-geology investigation.
d) Results of testing of construction materials.
e) Results from topographical and 3D surveys.
f) Photo documents from field surveys;
g) Results of core sampling testing;
h) Analyses of data and conclusions.

Monthly reports: - The monthly progress reports shall contain the following sections:

a) Executive summary of the contract progress
b) Contract Data
c) Contractor's Personnel
d) consultant's Personnel
e) Contractor's Resources including Equipment, Labour and Materials
f) Approved Programme
g) Progress measured against approved programme
h) Description of Activities undertaken during the period and cumulative progress
i) Physical Progress, quantities of substructure and super structure phases
j) Expenditure Record - include interim payments, Cumulative Sums, Retention of Money Record, escalations and so forth
k) Record of Variation Orders
l) Records of claims and action on claims
m) Problems and Recommendations
n) Minutes of Site Meetings
o) Weather records kept by project
p) ESHS report

q) Captioned Photographs

These sections will show correlation between the work programmed and the actual progress and the report must be signed by the Consultant. During the course of the project, the format of progress report may be changed as required by the RD. The draft final report and As Build Drawings shall be submitted within 30 days of issuance of the Completion Certificate unless otherwise instructed by the RD.

8.0 CONSULTING FIRMS' SUITABILITY AND COMPETENCE PROFILE REQUIREMENTS AND CONSULTANT'S TEAM COMPOSITION WITH ESTIMATE OF KEY EXPERTS INPUT

Consultant's Qualifications, Experience Requirements

In order to carry out the duties detailed in the scope of work above, the Consultant shall, for design team and the construction contract, furnish a team with necessary expertise to ensure that each stage of the services is performed to the highest professional standards.
The Consultant, as a Single Entity or in "Joint Venture", is expected to have appropriate capabilities and experiences in the engineering design and works supervision of Roads, Bridges, and major drainage structures. Showing Extensive experience in design or rehabilitation projects and social and environmental issues. The consultant is further expected to have appropriate experience in providing consulting services for the construction implementation of bridges and crossing drainage structures projects in hilly mountainous terrains with similar social and economic settings. Working experience in similar developing countries and within Sub-Saharan African with specific to Southern African Development Community (SADC) region would be an advantage.

The consultant shall specify in its Proposal key staff to be engaged in case of the contract award, requested references in accordance with the Request for Proposal. The key staff specified in the Proposal cannot be replaced, except in cases and under conditions clearly stated in general and particular conditions of the contract.

List of indicative Key Professional Positions whose CVs and experience would be evaluated

The Consultant shall assign to the project, professionals with appropriate qualifications and the necessary experience. The Consultant shall also provide sufficiently experienced laboratory personnel to carry out materials testing and survey personnel to carry out all necessary survey work for quantity and quality control and quality assurance purposes. In addition to the key staff, the consultant shall engage sufficient number of other staff of necessary expertise along with other auxiliary staff. A list of other staff engaged on the contract with description of assignments and responsibilities with periods of engagement shall be a composing element of

the Work Plan presented on the Consultant's proposal. All key experts should include certified copies of educational qualifications (they should be translated in English from the issuer).

The profiles of the key experts for this contract are as follows:

S. No.	Key Position	Area of Specific Expertise required	Minimum Qualification and Professional Experience Required
K-1	Team leader-Contracts Engineer	experience in Contract management and administration related to highway, bridge and drainage structures and construction with proven records of managerial experience in projects of similar nature and magnitude with fluency English and construction language	BSc (Eng) or B.Eng in Civil Engineering with At least 15 years of general professional experience and proven record of supervising, organizing and managing of project preparation and construction of highway and drainage structures projects. Experience as a team leader on at least three successfully completed similar nature and complexity consulting assignments.
K-2	Bridge Engineer	experience related to design and construction of bridges and drainage structures.	BSc (Eng) or B.Eng in. Civil Engineering with At least 10 years of general professional with 7 years' Experience in designing and implementing bridge or drainage structures rehabilitation. Experience as a structural/bridge engineer on at least three successfully completed similar nature and complexity consulting assignments.
K-3	Geotechnical/Materials Engineer	experience in geotechnical investigation and foundation design of bridges and drainage structures	BSc (Eng) or B.Eng in. Civil Engineering with At least Ten (10) years of general professional experience with Seven (7) years specific experience in geotechnical investigations, construction of foundations and slope stability
K-4	Geometric Design Engineer	experience in highway geometric designs, geometric models and analysis including the	BSc (Eng) or B.Eng in. Civil Engineering with At least Ten (10) years of general professional experience and seven (7) years

		knowledge and experience in the design of geometry in similar terrain	specific experience in geometric design. Experience as a Geometric Design Engineer or highway engineer on at least three (3) successfully completed similar nature and complexity consulting assignments
K-5	Resident Engineer	experience as a Resident Engineer on the highway and drainage structures construction project of similar nature.	BSc (Eng) or B.Eng/B.Tech in. civil engineering with At least fifteen (15) years of general professional experience with at least Ten (10) years' experience as resident engineer in highway projects. Experience as a Resident Engineer on at least three successfully completed similar nature and complexity consulting assignments.
K-6	Environmental and Social Compliance officer	Environment and social compliance with experience in highway construction	Bachelors degree in Environmental Science or relevant field with seven (7) years' experience in Highway projects Experience as an Environmental and Social expert on at least two successfully completed similar nature and complexity consulting assignments.
K-7	Environmental and Social Expert	Environment and social impact assesments and mitigation measures with experience in highway construction	Bachelors degree in Environmental science/management or similar field with seven (7) years' experience in Highway projects
K-8	Land surveyor	Experience in cadastral survey and setting out of road alignments and measurement of quantities	Advance Diploma in land surveying or Diploma in Civil Engineering with Five (5) years' experience in highway projects experience on at least three (4) successfully completed similar nature and complexity consulting assignments.

K-9	Laboratory Manager	experience as a materials technician/laboratory manager on the similar type of the project with extensive experience working with road and bridge construction materials	B.Tech/Diploma in. civil engineering At least Seven (7) years' experience as a materials technician/laboratory manager experience on at least four (4) successfully completed similar nature and complexity consulting assignments.

Schedule of Key Experts (Expert-Months)

The Consultant shall assign sufficient staff appropriately qualified with relevant experience to the project to ensure completion within schedule

It is anticipated that the Consultants will propose suitable staffing inputs for key personnel positions. For this purpose, the expert-month given below may be treated as broad reference and different expert-months could be proposed by the Consultants with suitable qualifications & experiences based on the methodology, approach, and work program proposal of the consultant. The below expert-months input is just indicative.

Key Expert	Phase 1 Expert-months	Phase 2	Phase 3	Total
Team Leader/Contracts Engineer	2	7	1	10
Bridge Engineer	1.5	2		3.5
Geometric Engineer	1	1		2
Resident Engineer		42	1	43
ARE Geotechnical/ Materials Engineer	1.5	39		40.5
ARE Measurement		42		
Compliance Officer/ Environment & Social		40		40
Environment & Social Expert	2	4		6
Land Surveyor		40		40
Laboratory Manager	1	36		36
Total Expert-months	**9**	**253**	**2**	**264**

Other Key Expert, support staff and back stopping

In selection of other experts, it is expected from the Consultant to be transparent, and shall be based on pre-defined criteria, including professional qualifications, language skills and work experience. CVs for experts other than the key experts may not be evaluated during the proposals stage. However, the consultant will be required to demonstrate in their proposals that they have access to experts with the required profiles. The Consultant shall select and hire other experts as required according to the needs. The costs for backstopping and support staff, as needed, are considered to be included in the financial Proposals during RFP stage.

Counterpart Personnel

When assigned by the Employer, the Consultant shall provide training on a counterpart basis for at least two qualified Civil Engineers and Two Technicians and/or other selected staff member who shall be the employees of the RD. During such assignment the Consultant shall treat the counterpart as a member of his staff. The salaries of the counterparts will be paid by the Employer. The Consultant shall give the counterpart the training consistent with the terms of the assignment.

8.0 PAYMENT SCHEDULE

The Design review and Pre-Contract Services shall be paid out on a performance basis under a Lump Sum Contract as follows: For Phase 1 the following payment schedule shall apply.

No	Event	Percentage Payment (% of phase 1 amount)
1	Advance payment	10
2	Acceptance of inception Report	20
3	Draft Design Review Report	25
4	Acceptance of final Design Review Report	20
5	Tender Documentation, Tender Evaluation report and draft works contract agreement delivery	25

The Construction phase and Post Construction Services (Phase 2 and Phase 3) shall be paid under the Time-based payment method of the contract against mobilized and deployed experts' timesheet following work programs to be agreed from time to time.