



Terms of Reference (ToR)
for the Engagement of
Consultant to Conduct
Infrastructure Needs
Assessment at Dawakin
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Gwarzo, Madobi

March, 2026

**INFRASTRUCTURE NEEDS ASSESSMENT IN KANO SAPZ
PROJECT LOCATIONS**

REF. NO.: KN/SAPZ-26-1004

March, 2026

ENGAGEMENT OF CONSULTANTS TO CONDUCT INFRASTRUCTURE NEEDS ASSESSMENT

1.0 BACKGROUND

The Federal Government of Nigeria (FGN) has secured a facility from the International Fund for Agricultural Development (IFAD) to implement a 7-year IFAD/IsDB/AfDB – Assisted Special Agro-Industrial Processing Zone (SAPZ) Program in partnership with the State Governments and Private Investors in two (2) participating states of **Kano and Ogun** in the first phase.

The implementation of SAPZs is a major investment program of the Federal Government and Kano State Government, driven by the Kano State Program Implementation Unit (SPIU) in collaboration with relevant Ministries, Departments and Agencies (MDAs) in the state to develop agro-processing clusters in areas of high agricultural production across the country. It is a strategic move to rapidly develop modern agro-processing capacity to serve the vast and growing local markets, create sustainable market for farmers and reduce postharvest losses of local agricultural produce and thereby create wealth for farmers, promote import substitution and create sustainable agriculture related jobs.

This clustering approach is to help address investment challenges in the development of agro-processing areas across Nigeria, including poor access to quality infrastructure, inadequate agricultural production and productivity and other challenges confronting agro-processing environment. SAPZs, therefore, will be developed with requisite infrastructure for agro processing environment which will help reduce cost absorptions and engender competitiveness in agro-industrial production that is critical to further unlocking the potentials of Nigeria's Agriculture to create ready markets and wealth for farming communities and reduce rural poverty.

The SAPZ is made up of two building blocks which include the Agro-Industrial Hub (AIH) equipped with desirable infrastructure to create modern agro-processing environment where secondary value addition will take place, Agricultural Transformation Centre (ATC) which is a community-based rural institution within the host community to support agricultural production, with provision of quality production drivers for the production of feedstock, and the Aggregation Centre (AC) for primary processing and storage. The Agro-Industrial Hub (AIH) will draw its raw materials for processing from the ATC where activities of the production clusters and Aggregation Centers are being coordinated.

2.0 OBJECTIVE (S) OF THE ASSIGNMENT

The objective of this assignment is to engage a qualified consultancy firm to conduct a comprehensive Value Chain Infrastructure Needs Assessment for the Kano Special Agro-Industrial Processing Zone (SAPZ). The assessment will focus on the production clusters for rice, tomato, and seeds oils – groundnut and sesame in the eight (8) out of sixteen (16) LGAs where these commodities are produced. The aim is to identify infrastructure gaps and recommend needed climate resilient infrastructure to support production, primary processing, and market accessibility.

The key infrastructure to be assessed includes feeder roads, culverts, small bridges, processing facilities, commodity stores, local markets, and solar-powered boreholes in each of the production clusters.

As part of the objectives, the consultant shall Conduct desk review of existing/ongoing and planned infrastructure development workplan in consultation with State/Federal Infrastructure planning unit/department to avoid duplication of infrastructural development.

3.0 SCOPE OF SERVICES

The consultant will provide expert services in evaluating and identifying the critical value chain infrastructure required to enhance agricultural production, primary processing, and market linkages in the four clusters. The consultant’s work will include: 1

NB: As guide to the consultant, the allocated infrastructure per local government area and total in quantities in Kano State is given in the table below

Infrastructure	Quantity Per LGA	No. of LGAs (that has been mapped)	Total Quantity for Kano State (8 LGAs)
Feeder (Access) Road	12.5 km	8	100 km
Culverts	6	8	48 Nos
Bridges	3	8	24 Nos
Processing Facility	1	8	8 Nos
Commodity Stores	5	8	40 Nos
Local Market Stalls	2	8	16 Nos
Solar Powered Boreholes	3	8	24 Nos
Rehabilitation/Construction of Irrigation Schemes		8	67 Ha
Rehabilitation /Construction of Earth dams		8	

4.0 TASKS

Task 1: Baseline Study and Data Collection

- Conduct a thorough review of existing, ongoing and planned infrastructure and land use, including available and conditions of existing feeder roads, culverts, small bridges, irrigation schemes, lowland farms, markets, processing facilities, storages, and utilities in the clusters.
- Document current infrastructure gaps that impact the production and value chains of rice, tomato, seed oils, and livestock.

Task 2: Field Visits and Infrastructure Evaluation

- Conduct field assessments at each production clusters (Kura, Bagwai, Dawakin Tofa, Gezawa, Bebeji, Bichi, Garun Malam, and Dambatta),.
- Evaluate the state of **feeder roads, culverts, small bridges, irrigation schemes, lowland farms, processing facilities, commodity stores, local markets, and solar-powered boreholes and existing access to water if any.**
- Assess transportation challenges and storage bottlenecks faced by farmers, processors and relevant beneficiaries in the communities, in moving commodities from farms to markets or processing centers.

Task 3: Stakeholder Engagement and Consultation

- Conduct consultations with local farmers, processors, marketers, and community leaders within the clusters to understand the challenges faced in relation to infrastructure.
- Hold meetings with local government officials and relevant state ministries to capture perspectives on existing infrastructure plans and gaps.
- Come up with the policy measures needed for operationalizing the investments to be made in order to ensure sustainability.

Task 4: Value Chain Infrastructure Gap Analysis

- Perform a gap analysis to compare existing infrastructure against the needs of each commodity value chain (rice, tomato, and seed oils – Groundnut and Sesame).
- Identify specific interventions required to bridge infrastructure gaps, including road improvements, storage, water access, and processing facilities.

Task 5: Recommendations and Infrastructure Development Plan

- Develop a set of infrastructure recommendations tailored to each cluster's commodity focus.
- Mapping infrastructure locations and evaluating spatial distribution for effective accessibility
- Provide conceptual designs and cost estimates for the recommended infrastructure, including feeder roads, culverts, small bridges, irrigation facilities, lowland farms, processing facilities, markets, and boreholes.
- Propose a phased approach for implementing the necessary infrastructure improvements, taking into consideration environmental and social factors.

Task 6: Environmental and Social Considerations

- Ensure that all infrastructure proposals comply with **Environmental and Social Impact Assessments (ESIA)** and **Environmental and Social Safeguards Management Plans (ESMP)**.
- Provide recommendations on sustainable and socially responsible infrastructure solutions.
- Ensure that all recommended infrastructure under this study should be climate resilient in nature, type and scope

5.0 EXPECTED DELIVERABLES

The consultant is expected to deliver the following outputs:

- I. Inception Report:** Outlining the methodology, work plan, and timeline for the assignment.
- II. Baseline Infrastructure Report:** Detailed report of the current state of infrastructure in the 8 local government areas.
- III. Gap Analysis Report:** Comprehensive analysis identifying infrastructure gaps in relation to each value chain (rice, tomato, seeds oils, and livestock) as well production clusters.
- IV. Environmental and Social Compliance Report:** Recommendations to ensure infrastructure development adheres to environmental and social standards.
- V. Final Report:** Consolidated report containing findings, infrastructure recommendations, geolocational mapping of the identified infrastructure, conceptual designs and cost estimate, and phased implementation plans.

6.0 DURATION OF THE ASSIGNMENT

The assignment is expected to take 8 weeks from the date of contract signing. A detailed timeline will be provided in the Inception Report

7.0 REPORTING

The consultant will report directly to the State Project Coordinator (SPC) of the Kano SAPZ, with regular updates provided to the State Infrastructure Engineer and the National Infrastructure Engineer at the National Coordination Office, Abuja. The reports should be both in soft and 3 no. hard copies. The design report should be provided in AutoCAD and pdf were applicable.

8.0 QUALIFICATIONS AND EXPERIENCE

The consultant or firm should have:

- Proven experience in conducting infrastructure needs assessments, particularly in agricultural or industrial sectors.
- Expertise in infrastructure design and development related to agricultural production and processing.
- Knowledge of environmental and social impact assessments.
- Strong stakeholder engagement and project management skills

8.1 KEY PROFESSIONALS TO BE PROVIDED BY THE CONSULTANT FOR THE ASSIGNMENT

The Consulting firm shall engage the following key personnel whose CV and experience shall be evaluated by the KANO STATE PIU.

1. Team Leader (Rural Infrastructure Engineer /Civil Engineer)
2. Agricultural Engineer (processing/irrigation)
3. Architect or Building Engineer
4. Contract Management Engineer/Quantity Surveyor
5. Electrical/Mechanical Engineer
6. Land Surveyor/GIS Expert

7. Agricultural Extension Officers
8. Environmental/ Social Safeguards

The consultant shall provide competent Registered Engineers (COREN) and other registered professionals (ARCON, QSRBN, CORBON etc.) for the exercise. All the key professionals are to be at least holders of BSc or equivalent in their respective fields of specialization with more than 10 years of experience in the design of irrigation network and appurtenant facilities (for the irrigation engineer), buildings (architect/building engineer), roads (the roads engineer), agro-processing (Agricultural Engineer) and water facilities (water engineer). Individuals should have been involved in at least 3 assignments in similar project within the last 10 years for the position for which he/she is nominated and the Team Leader should have at least 15 years of experience and must have led a team of similar nature at least on two occasions and have experience in Africa and be able to write effectively in English language.

8.1.1 Team Lead (Rural Infrastructure Engineer/Civil Engineer)

The team leader must have minimum of Master's Degree or equivalent degree in Civil or Water Resources Engineering with at least 10 years of experience on infrastructure development projects and four years in similar role and belong to membership of an engineering professional body. The candidate should have a proven record of managerial capability in managing major civil engineering projects of a similar magnitude financed by a major multilateral international lending agency (WB, IsDB, AfDB, and IFAD). Sound knowledge of contract management of civil works is mandatory.

The team leader will act as the consultant's authorized representative and administrator for the infrastructure needs assessment, with authority to liaise with other Government agencies related to the project and make binding decisions on behalf of the Consultant on all matters pertaining to the consultancy services. The Engineer will also coordinate the supervision team, to ensure that technical policies are correctly and consistently implemented in the projects during implementation.

8.1.2 Agricultural Engineer (Processing / Irrigation)

The Agricultural Engineer must have a minimum of B.Sc or equivalent degree in Agricultural Engineering, Processing Engineering or Irrigation Engineering with at least 10 years post graduate' experience in the construction supervision of medium to large scale agro-processing projects financed by major multilateral international lending agency (e.g. WB, AfDB, IFAD, IsDB, AFD). The agro-processing Engineer must be registered with a Professional body. At least four (4) years' specific experience in the design of processing infrastructure of similar nature. Hands-on experience on the use of Mechanical Engineering/ Structural Engineering soft wares will be an added advantage.

8.1.3 Architect

The Architect must have at least B.sc degree or equivalent in Architecture and registered with a Professional body, with at least 10 years of experience on project development, including development bank funded projects. Must be experienced in the design of Buildings, Warehouses, offices, Cold chain storage facilities, post-harvest structures, Silos, Industrial layout zoning, Offices, residential and commercial buildings in both concrete and steel. Conversant with the use of architectural design suites for infrastructural development works is an asset.

8.1.4 Contract Measurement Engineer

The Contract measurement Engineer shall have a minimum of B.sc or equivalent degree in Civil Engineering, Quantity Surveying or Construction Management with at least 10 years post graduate experience in the development and execution of major civil engineering projects financed by Multilateral Development Banks. Must be very conversant with FIDIC conditions of contract. The incumbent must also be familiar with valuation and measurement of works on site for a project of such nature and be experience in standard measurement for civil works for the issuance of valuation certificates to Contractors. Sound knowledge of contract management is mandatory.

8.1.5 Electrical / Mechanical Engineer

The Electrical/Mechanical Engineer must have a minimum of B.Sc. degree or equivalent in Electrical or Mechanical Engineering with 10 years of experience on infrastructure development projects and at least five (5) years' experience in projects financed by major multilateral international lending agency (e.g., IsDB, AfDB, IFAD). Must be registered with relevant Professional body. Experience in the design and construction supervision of electro-mechanical system, in residential/industrials/commercial agro-processing plants, post-harvest processing facilities, Cold chain storage facilities, warehouses and Water distribution networks and Containment Structures. Hands-on Experience on the use of electrical/ mechanical Engineering soft wares is an added advantage.

8.1.6 Land Surveyor/ GIS Expert.

The Land Surveyor/ GIS Expert must have B.sc degree or equivalent in land surveying, GIS or Geoinformatics with 10 years of professional experience and at least six years' experience in development projects financed by major multilateral international lending agency (e.g., IsDB, AfDB, and IFAD). Must have experience in cadastral and engineering surveys. Conversant with the use of surveying/ GIS software, equipment's is an added advantage.

8.1.7 Agricultural Extension Officers

The extension officers should have at least B.Sc degree or equivalent in Agriculture, Agricultural Extension, Rural Development, Agronomy, or a related field with 3-5 years of hands-on experience working with farmers and rural communities, ideally focused on agricultural development, value chain improvement, or rural infrastructure. The officer should have sound understanding of good agronomy practices (GAP) is essential, as well as the ability to advise

farmers on modern, sustainable practices that may tie into infrastructure projects. An experience in monitoring and evaluation practices for agricultural or rural projects is useful.

8.1.8 Environmental & Social safeguard Officer.

Minimum of B.Sc. degree or equivalent in Environmental Science, Agricultural & Bioresources Engineering or related discipline with 8 years professional experience and at least three (3) years specific experience in a donor funded project of similar nature. Must be conversant with preparation of ESMP, EIA and monitoring of mitigation measures in the construction supervision of buildings, roads, agro-processing facilities and irrigation development projects. Familiarity with the preparation RAP for project of this nature is an added advantage

9.0 STAFFING SCHEDULE

9.1 The implementation period for the entire assignment is expected to be Eight (8) weeks. The Consultant would be expected to mobilize and commence activities with the KANO STATE-PIU immediately after signing of agreement.

Key Personnel	Duration (Weeks)		Total No. of Man-weeks
	Data Collection	Analysis and Reporting	
Team Leader/Civil Engineer	6	2	8
Agricultural Engineer (Processing / Irrigation)	6	2	8
Architect or Building Engineer	3	2	5
Contract Management Engineer/Quantity Surveyor	-	2	2
Electrical/Mechanical Engineer	3	2	5
Land Surveyor/GIS Expert	3	2	5
Agricultural Extension Officers	6	0	6
Environmental/ Social Safeguards	6	2	8
Total No. Of Man-Months	33	14	47

10.0 BUDGETING

A Personnel Costs

Experts	No. of Weeks	Rate Per Week	Amount (N)
Team Leader (Rural Infrastructure / Civil Engineer)	8		

Agricultural Engineer (Processing / Irrigation)	8		
Architect or Building Engineer	5		
Contract Management Engineer/Quantity Surveyor	2		
Electrical/Mechanical Engineer	5		
Land Surveyor/GIS Expert	5		
Agricultural Extension Officers	6		
Environmental/ Social Safeguards	8		
Total No. of Man-Months	47		

B. Reimbursable

Activity	Quantity	Rate	Amount (N)
Rent of Vehicles			
Rental of Equipment, Instruments, Materials, Supplies, etc	Various		
Production of reports	L/S		
Technical Investigation such as Geophysical, Geotechnical, Topographic survey etc	L/S		
Miscellaneous (Communication, Reporting, Admin Expenses etc)	L/S		
Sub Total			
Grand Total (A+B)			

11.0 TERMS OF PAYMENT FOR THE ASSIGNMENT

The Consultancy assignment shall be time-based. Payments will be paid based (lump sum and time-based. Lump sum will be a certain percentage of contract sum as mobilization) on the stages of work on site as stipulated in the RFP. Invoices shall be raised monthly which comprises of remuneration of staff input based on time-sheet showing the number of staff inputs in hours. Reimbursable payments invoices for the monthly supervision shall also be paid.

12.0 Bid Evaluation

Firms will be evaluated by the Kano State-PIU based on a cumulative analysis taking into consideration the combination of the applicants' Technical and Financial proposals.

-Technical Evaluation will be done as follows: Desk review of firm's background, experience and other skills will be evaluated. Firms who have 70% of total score in the technical evaluation, will be considered RESPONSIVE and will continue for the financial evaluation of proposals.

-Financial Evaluation: The financial criteria weight is 30% of total score.

The contract will be awarded to the Offeror with the highest combined score.

Interested firms or team of consultants must submit their **technical** and **financial** proposals separately and marked “consultancy for Design and Supervision Consultant” and addressed to:

13.0 OBLIGATIONS OF THE CONSULTANT

- a) Documents: The consultant shall take stock of all documents made available to him by the KANO STATE-PIU for the purpose of this assignment. These documents in his custody shall be returned at the end of the project. The consultant shall be entirely responsible for the analysis and interpretation of data obtained from these documents or from other sources. These documents shall be considered confidential and treated as such.
- b) Personnel: The consultant shall provide all personnel and labor necessary for the expeditious execution of his duties.
- c) Rent vehicle for the assignment.
- d) Equipment and sub-contracting: The consultant shall provide all equipment that are not specified to be provided by the contractor but necessary for the execution of his duties. The consultant shall submit for approval of the Kano State-PIU, the choice of any specialized sub-contractor for any part of the services.

14. OBLIGATIONS OF THE CLIENT (SPIU)

14.1 The Consultant shall liaise closely with the KANO STATE PIU during the course of the works.

14.2 Client’s Input and Counterpart Personnel

- Relevant Project Documents
- Feasibility Reports/ Previous studies.
- Project Management Counterpart Staff

The Kano State Program Coordinator, SAPZ

Project Implementation Unit (PIU),
Kano State