

REPUBLIC OF KENYA



MINISTRY OF AGRICULTURE, LIVESTOCK, FISHERIES AND COOPERATIVES
STATE DEPARTMENT FOR LIVESTOCK
TERMS OF REFERENCE (TOR) FOR CONSULTANCY SERVICES TO DEVELOP
THE LIVESTOCK RESEARCH AGENDA FOR KENYA

A. BACKGROUND TO THE ASSIGNMENT

The Livestock Sector plays an important role in the national economy of Kenya with a direct contribution of about 12 percent to the national Gross Domestic Product (Livestock Policy, 2020). Livestock Sector supplies the domestic requirements of meat, milk, dairy products, eggs, and other livestock products while accounting for over 30 per cent of the total marketed agricultural products. The Sector earns the country substantial foreign exchange through export of livestock and livestock products. It employs about 50 percent of the country's Agricultural Sector labour-force. The Sector also contributes substantial earnings to households through sale of livestock and livestock products and provides raw materials for agro-based industries.

Research and technology development are key for enhancing productivity and competitiveness in the Livestock Sector. Most of the livestock-related research and technological development is funded by the National Government and Development Partners and undertaken by Kenya Agricultural Livestock Research Organization (KALRO), universities and international research institutions such as ILRI and other Consultative Group on International Agricultural Research (CGIAR) organizations and the International Centre for Insect Physiology and Ecology (ICIPE).

Livestock research is an expensive undertaking and has not received adequate investment by government, private sector and development partners. In addition, research agenda setting is dominated by funding agencies therefore creating a need for increased investment by government in order to prioritize the national research needs. Most research has concentrated in addressing technical production problems (feeding, breeding, health and husbandry) while paying less attention to key socio-economic parameters such as gender, culture and indigenous technical knowledge that equally affect the Livestock Sector. Research on genetically modified organisms (GMO) and how the Livestock Sector can leverage on this technology has also not received adequate attention. Livestock research agenda has often been addressed amongst various crop commodity researches calling for a focused research institutional arrangement. Inadequate financial resources due to overall underfunding to research have characterized livestock research. This has slowed down production innovative findings and adaptive research in livestock. The National Agricultural Research System (NARS) Policy lays the ground for a well-coordinated research system. However, this has not been achieved. Most livestock-related research and technological development in the country is supported by the national government and development partners but at low budgetary levels, a large proportion of which emanates from development partners which is inadequate for the national needs. The inadequate public livestock research funding due the absence of focus is also attributable to competition with the various crop

commodities for the limited budgetary allocation slowing down successful development and implementation of appropriate livestock research agenda. Dissemination of research findings among Livestock Sector stakeholders is also limited. In addition, key socio-economic factors, that influence livestock production, have not been given sufficient attention in research.

The National Livestock Research Agenda (NLRA) is an initiative of the Livestock Sector designed to serve as a guide for planning and undertaking livestock research programmes. The research agenda of 2022 – 2030 is expected to be developed to meet the current needs of the sector, and addressing emerging constraints, such as unpredictable climatic change and variability and ever-escalating demands for livestock products, due to increased human population. This agenda will cover the period from 2022 to 2030. Livestock sector in Kenya plays a key role in ensuring food and nutritional security as well as economic gains at households and national levels.

B. OBJECTIVES

The primary objective of this study is to review existing livestock research findings, consult all the leading stakeholders in livestock research and generate a National Livestock Research Agenda to be validated with a broad aim of ensuring livestock research in Kenya is capable of addressing the current challenges. The agenda will help to improve the livestock sector through development and application of appropriate technologies so that the sector contributes to poverty reduction, improved food security and increased national income. It seeks to expand knowledge on the current national research needs and uptake by all the targeted value chains. The report from this study will inform the national and county government agencies, private sector and all stakeholders investing on the real research gaps for the country while building capacities of county governments and value chain actors to utilize the research findings for enhanced productivity, value addition and return on investment.

2.1 Specific Objectives

- a) To identify livestock research thematic areas to ensure that resources are allocated and utilized efficiently;
- b) To facilitate implementation of issues on livestock research in the National Livestock Policy 2020 and other related policies and legislations;
- c) To guide development of appropriate technologies in order to increase livestock productivity sustainably;
- d) To guide formulations of research strategies, programmes, and action plans;
- e) To strengthen linkages and collaborations among National, Regional and International research organizations'; and
- f) To enhance the institutional capacities for livestock research in the country.

2.2 Description of the assignment

- i.* Desk Review the reports, policy and strategic documents providing a direction of agriculture and livestock research.
- ii.* Develop tools for assessment of research outputs and gaps.
- iii.* Assess capacities for delivery of livestock research by national and international research agencies in Kenya.
- iv.* Assess national and governments support for livestock research
- v.* Identify challenges and opportunities for livestock research in Kenya

- vi. Recommend the areas the national government can improve the delivery of livestock research.
- vii. Analyze the whole scope of livestock research and recommend the future agenda.
- viii. Propose any policy and legislative proposals to inform the future livestock research agenda.
- ix. Validate findings by key stakeholders.
- x. Deliver the Final report on the Livestock Research Agenda for utilization by the State Department for Livestock, research agencies, county governments and other stakeholders.

2.3 Issues to be studied

- i) All relevant publications for livestock research on relevant policies, laws, regulations, guidelines and orders.
- ii) Key livestock research breakthroughs.
- iii) Assessment of investments and funding for livestock research at the national and county levels.
- iv) Evaluate human and financial resources available to livestock research.
- v) Assess proposals for future livestock research needs.
- vi) Analyze global trends in livestock research.
- vii) Relevant reports on national, regional and international livestock research.
- viii) Any other material essential for developing the livestock research agenda for the next 8 years.

C. WORK PLAN AND TIMETABLE

45 days - maximum duration

Day 5- Inception report preparation

Day 20 - Consultations, research & data collection

Day 30 - Draft extension status report

Day 35- Validation of the report by critical stakeholders

Day 40- Expert review of the extension provision status report

Day 44 - final report

D. EXPERTISE REQUIRED

The assignment is open to firms with at least five (5) years' experience and proof of three (3) similar or relevant assignments.

Individual Consultant(s) must demonstrate a minimum of the following requirements:

- (i) Lead Consultant - PhD in a livestock research related field specialist with over 20 years' experience and some renowned publications.
- (ii) Associate Consultant- PhD in a livestock research related field specialist with over 10 years' experience and some renown publications
- (iii) Supportive team of experts with relevant qualification and experience will be an added advantage

E. REPORTING REQUIREMENTS

- (i) Inception Report.
- (ii) Draft report on the livestock research agenda.
- (iii) Roadmap on action plan to implement the recommendation
- (iv) Validation of the livestock research agenda report
- (v) Final Report on the Livestock Research Agenda 2022-30 in Kenya.

Duration of Consultancy: 45 days

Bid Validity: 120 days