## SECTION 1: LEAD INSTITUTION PARTICULARS

1.1 **LEAD INSTITUTION:** KALRO VRI  
1.2 Principle Investigator:  
   **Name:** DR. Monicah W Maichomo  
1.3 Mailing Address: P.O. Box 32 -00902, Kikuyu  
1.4 E-Mail Address: Monicah.maichomo@kalro.org; wahinya93@gmail.com;  
1.5 Collaborators: Mary Romona Ndanyi, Jane Wachira, Joseph Mugachia

## SECTION 2: PROJECT PARTICULARS

2.1 **THE PROJECT TITLE:** GA02-2/7: Performance Of The New CBPP Subunit Vaccine Under Field Conditions  
2.2 KCSAP Thematic Area: LIVESTOCK  
2.3 Value Chain: RED MEAT  
2.4 Location (Area): KAJIADO and NAROK COUNTIES  
2.5 Duration in Years: - (Not more than 3 Years): 2.5 YEARS  
   Date of Commencement: JANUARY 2020  
   Expected Date of Completion: JUNE 2023  
   Total Duration in Months: 30  
2.6 Total Cost of the Project (KES): 21,998,750  
2.7 Date of Submission: 13/09/2019

## SECTION 3: PROJECT BODY NARRATIVE

3.1 **Executive Summary**  
Diseases contribute immensely to economic losses in the livestock sector. There is a shift in the control of infectious diseases in favor of vaccines as opposed to drugs due to the development of drug resistance. Within the field of vaccine development, subunit vaccines are favored because they are dead parts of live organisms which pose the risk of reversion to virulence and cause disease which they are supposed to control. This arises when animals to be vaccinated are malnourished as often happens in drought ASALs. It is for this reason that we developed a vaccine to mitigate these factors.