

Note: *The following factors were considered during assessments of disease control gates;*

- *Signage: important for awareness of travelers needed for facilitating cooperation with DVS personnel at check points and safety of personnel on the road.*
- *Lighting: needed for providing visibility at night crucial for facilitating checks and disinfection at night as well as for security of staff manning the gates.*
- *Cattle grid: important for stopping cattle from straying into other zones especially in the event gates happen to be unmanned (due to bad weather conditions and staff absenteeism).*
- *Vehicle bath: facilitate better vehicle coverage during disinfection and cause less disruption to traffic flow, and therefore minimising inconveniences to travelers.*
- *Movement Protocol Boards: needed for awareness to travelers crucial for ensuring cooperation with DVS personnel at check points.*
- *Guard house: to shelter staff manning gates and their equipment*

As Table 5 indicates, most check points were deficient in many aspects, from a bio-security stand point. The only aspect that had alternative measures in place were vehicle baths whereby knapsack sprayers were used instead. However, it was observed that knapsack sprayers provided relatively limited coverage of vehicles (compared to vehicle baths) and were subject to improper application by the person spraying. For instance, the Setata and Samochima gates lacked lighting needed for disinfection throughout the night. Interviews with Principal Veterinary Officers in the visited districts attributed such structural deficiencies at the disease control gates to financial constraints. The safety of staff manning the gate at night and poor visibility (as a result of lack of lighting) could result in significant compromise in conducting searches and disinfection at night at the two gates.

The structural inadequacies of disease control gates was attributable to lack of standards for designs of disease control gates as well as inadequate resource planning for improving general conditions of movement control gates. There was no evidence (budget and plans) availed during the audit that could indicate that