1. A GIS based strip land use map has been developed to identify the land classification within the C4 corridor **(Annex 11).** Agriculture is the major food supplier for the people living along the C4 corridor. Local residents have encroached onto BR lands by planting shrubs, fruit trees and various vegetables. These will be removed during the widening of the embankment. Forest/vegetation covers 3.75% and settlement 21.30% of the corridor and rest of the land covers by other uses. Table 26 reveal the land use classification with different component Table 25.

Table 25 Land use Classification within component 04

|  |  |
| --- | --- |
| Land use | Percentage |
| Wet land | 43.31 |
| Agriculture Land Area |  |
| Bridge | 0.04 |
| Forest/Vegetation Area | 3.75 |
| Commercial Area | 1.35 |
| Industrial Area | 0.25 |
| Open Space | 24.44 |
| water body | 5.50 |
| Rail Station/Area | 0.07 |
| Settlement | 21.30 |
| Sub Total | 100 |

During the field visit the following birds are seen along the rail line corridor. In this respects, local people were interviewed and recorded their findings. Recorded birds specie were 106 among them 19 species were least concern and 03 species are lower risk. 90 species of birds recorded are not threatened. No critical endangered, endangered, vulnerable species were not recorded in the study area

Summary of Affected Trees

| Categories of Trees | Total | % |
| --- | --- | --- |
| Fruit bearing | 2,668 | 45.0 |
| Timber & fruit | 755 | 12.7 |
| Timber | 1,306 | 22.0 |
| Firewood | 35 | 0.6 |
| Medicinal | 60 | 1.0 |
| Banana | 689 | 11.6 |
| Bamboo | 320 | 5.4 |
| Ornamental | 90 | 1.5 |
| Grand total | **5,923** | **100** |

Data sources: Social Survey, 2020