Appendix 1

Tables of villages and exploratory variables

Table S1: the 9 potential variables identified from the exploratory phase of the study and their options

Potential variables	Options
Fence shape	linear / enclosing
Model of contribution towards fence by users	cash / kind frequency (weekly/ bi-weekly/ monthly/ half-yearly/ annually)
Ethnic diversity of community	yes / no
Apparent presence/absence of proactive leader	yes / no
Pattern of raiding by elephants	Frequency (number of times a year) Intensity (how much damage do the elephants cause in terms of crops, property, injury and death) Predictability (randomly through the year or during specific periods of time, such as the paddy harvest season)
Technical capacity for fence maintenance within community	Presence / absence
Presence of political elite	yes / no
Presence of active committee for fence maintenance	low to high
Forest Department role	low to high

Table S2: data of the 9 potential variables and 19 villages identified from the exploratory phase of the study

Village	Fence shape	Ethnic diversity of community	Apparent presence/absence of proactive leader	Pattern of raiding by elephants	Technical capacity for fence maintenance within community	Presence of political elite	Presence of active committee for fence maintenance	Forest Department role
Baghmari	enclosed	homogenous	absence	medium frequency, high intensity, low predictability	presence	no	medium	low
Haabasti	enclosed	homogenous	absence	medium frequency, high intensity, low predictability	absence	no	low	low
Gorumara	enclosed	homogenous	presence	medium frequency, high intensity, low predictability	presence	no	high	low
Jalokhiabasti	enclosed	homogenous	presence	medium frequency, high intensity, low predictability	presence	no	low	low
Ajgarjuli	enclosed	homogenous	presence	low frequency, medium intensity, medium predictability	presence	no	low	low
Kolbasti	linear	heterogenous	absence	low frequency, medium intensity, medium predictability	absence	no	low	high
Aadhiyachapori	linear	heterogenous	presence	high frequency, high intensity, low predictability	presence	no	high	high
Wenzajuli	enclosed	heterogenous	absence	low frequency, medium intensity, high predictability	presence	yes	medium	medium
Talabari	linear	heterogenous	presence	medium frequency, high intensity, medium predictability	presence	no	low	high
Botiagaon	linear	homogenous	presence	high frequency, medium intensity, low predictability	presence	no	low	low
Simalugaon	linear	homogenous	presence	high frequency, medium intensity, low predictability	absence	no	high	low
Sagunbasti	linear	heterogenous	presence	medium frequency, medium intensity, low predictability	absence	yes	low	low
Babamura	enclosed	homogenous	presence	low frequency, low intensity, high predictability	presence	no	low	low
Bihpukhuri	linear	heterogenous	absence	low frequency, medium intensity, medium predictability	absence	no	low	low
Balu Danga	enclosed	homogenous	absence	medium frequency, medium intensity, low predictability	absence	no	low	low
Manimuni	enclosed	homogenous	absence	medium frequency, high intensity, low predictability	presence	no	low	low

Mrigamari	linear	heterogenous	presence	medium frequency, medium intensity, medium predictability	presence	yes	low	low
Boribeel	linear	heterogenous	presence	medium frequency, medium intensity, medium predictability	presence	yes	high	medium
Pukhuripar	enclosed	homogenous	presence	medium frequency, medium intensity, low predictability	absence	no	medium	low