## Budget justification for additional funds under the “Assessment of Invasive Alien Species Distribution in the Chitwan-Annapurna-Landscape (CHAL) Region, Nepal”

Duration of Performance: June 15 to November 30

Total budget: $75,000

#### Personnel

Madhav Marathe (PI; Professor; Director, NSSAC, BI) will supervise the project. He will provide advice for modelling and generation of risk maps for weed *Parthenium hysterophorus*, and its biocontrol agents beetle *Zygogramma bicolorata* and rust fungus *Puccinia xanthii*.

Abhijin Adiga (Co-PI; Research Assistant Professor, NSSAC, BI) will be responsible for overall project supervision and for supervision of project staff at UVa. He will contribute to the data exploration, modelling, analysis and dissemination of results.

Postdoc (BI): Support will be provided during the duration of the project at 100%. The postdoc will work closely with the PI on the project research. The postdoc will primarily assist in the design of models, data integration, and help write technical reports and disseminate results through peer-reviewed publications.

GRA: Support will be provided during the duration of the project at 100%. The student will provide support in data exploration and implementation of models.

#### Fringe Benefit Rates

Standard UVA fringe benefits rates are 27.7 % for faculty and for the summer only for the undergraduate students using the wage rate of 6.5%. NOTE: In order to show the correct total in the IPM budget template, the rate shown is less.

A copy of the University of Virginia’s federally negotiated fringe rate agreement is available at: <https://sponsoredprograms.virginia.edu/rates> (copy attached).

#### Subcontracts

None

#### Contractual services

None

#### Data Purchase

#### Publications

We request a total of $4,000 for publication costs to scientific journals.

#### Computing Costs

We request a total of $5000 for computing costs.

#### Indirect Costs

The indirect cost rate is based on the University of Virginia off-campus rate of 26% of modified total direct cost (MTDC) as the approved DHS rate. UVA’s negotiated indirect rate may be found at <https://sponsoredprograms.virginia.edu/rates>. The total indirect is ---.

#### Contingency Planning

In the event of a 10% decrease in funding, the personnel effort of A. Adiga, and M. Marathe will be reduced appropriately. In the case of a 10% increase in funding, effort of the postdoc student and the above-mentioned personnel would be increased.