

RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY

REGIONAL FACILITY FOR DNA FINGERPRINTING

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Cost of Plant/Animal DNA Barcoding

I Primer Cost *

Forward primer..... : ~25 bases

Reverse primer..... : ~25 bases

Cost : 50 bases x ₹ 25..... : ₹ 1250

Sub-Total 1 : ₹ 1250 x N**

II DNA Barcoding

1. DNA isolation..... : ₹ 160/sample

Sub-Total 2 : ₹ 160 x S***

2. PCR..... : ₹ 50/reaction

Sub-Total 3 : ₹ 50 x N x S*****

3. Sequencing (Bidirectional) : ₹ 150/reaction x 2..... : ₹ 300

Sub-Total 4 : ₹ 300 x N x S*****

III Overhead charges : ₹ 25% of Sub-Totals 1 + 2 + 3 + 4

IV Total : ₹ (Sub-Totals 1 + 2 + 3 + 4 + Overhead charges) + 10.3% service tax

* Primer cost for 50nM scale of synthesis and each synthesis is sufficient for over 5000 PCR reactions. Actual cost may vary subject to primer length.

** N - Number of primer set to be tested

*** S - Number of samples to be analysed

Disclaimer: Genetics of the species analysed determine the efficiency of PCR amplification of barcode target, quality of sequence read from targets and level of species resolution and RFDF shall report the data to the party as it arises. Further, we assume that the tissue sample provided by the party is suitable to yield good quality DNA.

Chief Scientific Officer

RFDF