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No. BT/PR6046/AGR/5/602/2012
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated: 03/06/2013

ORDER

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the implementation of the project entitled "**Control of tea mosquito((*Helopeltis theivora*) in tea using Semio chemicals .**" for a period of 3 Year 0 Month at a total cost of Rs. **3781400** (Rupees Thirty Seven Lakhs Eighty One Thousand Four Hundred Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : "Control of tea mosquito((*Helopeltis theivora*) in tea using Semio chemicals ."

2.2 Project Investigator :

Dr. NARASIMHAN SRINIVASAN

Managing Director

Chemistry

Asthagiri Herbal Research Foundation

162-A, Perungudi Industrial Estate,

Perungudi, Chennai - 600 096, Tamilnadu

Dr. Babu azariah

Head

entomology

Tea Research Association,

Tocklai Experimental Station,

Jorhat, ASSAM, - 785 008

2.3 Objectives:

Asthagiri Herbal Research Foundation

1. Isolation, identification of pheromone blends
2. Cost- effective synthesis
3. Development of controlled release dispensers
4. Development of a suitable trap for the management of tea mosquito

Tea Research Association, Tocklai Experimental Station

1. Field evaluation for optimizing trap and its requirement/ha
2. To rear and supply of insect extracts and testing the synthetic compounds for efficacy

2.4 Time Schedule:

The duration of the project is 3 Year 0 Month from the date of this sanction order.

2.5 Project Cost:

The total cost of the project is Rs. **3781400/-** (Rupees Thirty Seven Lakhs Eighty One Thousand Four Hundred Only) as per details given below:

Budget Head	Year I	Year II	Year III	Total(Rs.)
• Asthagiri Herbal Research Foundation				
Manpower	331200.00	331200.00	362400.00	1024800.00
Travel	50000.00	50000.00	50000.00	150000.00
Consumables	275000.00	225000.00	100000.00	600000.00
Contingency	100000.00	100000.00	100000.00	300000.00
Total (Rs.)	756200.00	706200.00	612400.00	2074800.00
• Tea Research Association, Tocklai Experimental Station				
Equipment	674000.00			674000.00
Manpower	230400.00	230400.00	256800.00	717600.00
Overhead	25000.00	25000.00	25000.00	75000.00
Travel	30000.00	30000.00	30000.00	90000.00
Contingency	50000.00	50000.00	50000.00	150000.00
Total (Rs.)	1009400.00	335400.00	361800.00	1706600.00

16 Equipment:

The details of the equipment sanctioned for the implementation of the project at
Annexure-I

17 Manpower:

The details of the manpower sanctioned for the implementation of the project at
Annexure-II

Head of Account:

The Non-Recurring expenditure involved is debitable to:

Demand No. 87	Department of Biotechnology
3425	Other Scientific Research 2013-2014
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Research & Development
3425.60.200.29.01	Agriculture Biotechnology and Allied Areas
3425.60.200.29.01.35	Grants for creation of capital assets

The Recurring expenditure involved is debitable to:

Demand No. 87	Department of Biotechnology
3425	Other Scientific Research 2013-2014
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Research & Development
3425.60.200.29.01	Agriculture Biotechnology and Allied Areas
3425.60.200.29.01.31	Grants in Aid General