



SARVODAY KELAVANI SAMAJ MANAGED

# Shree Manibhai Virani & Smt. Navalben Virani Science College

An AUTONOMOUS COLLEGE

■ Re-accredited at the 'A' Level (CGPA 3.28) by NAAC

■ A College with Potential for Excellence - CPE (Phase - II) by UGC

■ 'STAR College Department' Status by MST-DBT

■ Accredited at the G-AAA 'A-1' Level by KCG, Govt. of Gujarat

## Summary

**Title of the Project:** Evaluation of different elicitors for bio-priming of in vitro grown banana plantlets against fungal and bacterial pathogens

**Principal Investigator:** Dr. Anil Kumar Singh

**Amount Sanctioned:** Rs. 12,76,920.00

**Project Tenure:** 04-08-14 to 02-05-18

S. N.	Details of Correspondence	Date
1	Sanction Letter from GSBTM, Ref. No. GSBTM/MD/PROJECTS/SSA/1400/2014-15, Dt. 07-11-2014	3 <sup>rd</sup> June, 2014
2	Grant Details Letter from GSBTM, Ref. No. GSBTM/MD/PROJECTS/SSA/2492/2014-15, Dt. 07-11-2014	7 <sup>th</sup> November 2014
3	Details of Grant available for 2016-2017 (Rs. 4,46,760.00) i.e. 30-12-2016 and Utilization Certificate for year 2016-2017	21 <sup>st</sup> June 2017
4	Project Overhead grant Rs. 35,565.00 received from GSBTM	21 <sup>st</sup> December 2017
5	Details of Grant available for 2017-2018 (Rs. 3,45,291.00) with Utilization Certificate for year 2017-2018	12 <sup>th</sup> July 2018

*Principal*  
CO-PI



*Principal*  
Shri Manibhai Virani and  
Smt. Navalben Virani Science College  
(Autonomous) Rajkot.



**Akshay Kumar Saxena. I.F.S.**  
Mission Director



GSBTM/MD/PROJECTS/SSA/1400/2014-15

3<sup>rd</sup> June/ 2014

To,  
**Dr. Anil Kumar Singh,**  
Assistant Professor  
Department of Biotechnology,  
Yogidham Gurukul, Kalawad Road, Rajkot - 360 005

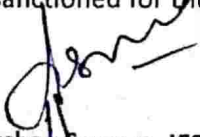
**Subject:GSBTMFinancial Assistance Program[FAP-2014]**

Please refer to the proposal submitted to this office seeking financial assistance, consequent to the initial assessment, followed by presentation before Technical Advisory Committee and recommendations made there in and subsequent approval by Executive Committee, **Gujarat State Biotechnology Mission, Department of Science and Technology, Government of Gujarat is pleased to informed you that your project "Evaluation of different elicitors for bio-priming of in vitro grown banana plantlets against fungal and bacterial pathogens."** has been sanctioned as a **GSBTM R & D Support under Financial Assistance Program for a period of three years with financial assistance of Rs. 12,76,920/-.**

The Budget sanctioned for the First year is Rs.4,15,080/-, out of which first installment of Rs. 2,07,540/- is hereby released. This office would like to bring to your notice that:

- For those whose equipments are more than Rs. 1,00,000/-, for them only part payment of the equipment's has been released, the remaining amount will be released only once the tender procedure is completed and the related documents have been submitted to this office.
- All the payments (e.g salary, procurements etc) should strictly be made by cheques only.
- It is mandatory that each Principal Investigator/Co-PI will be required to conduct atleast 3 dissertations every year free of cost under their guidance.
- It is mandatory for the PI to submit expenditure details online on FAP portal every month in the 3rd week of the month.
- Bio materials [varieties/ cell lines/ strains etc.] procured/ cultured/ isolated should be submitted to BioGene for the purpose of banking as per the guidelines of BioGene, GSBTM, DST, GoG.
- PI/Co-PI should develop and submit a popular article related to their project highlighting the importance of their research project.
- PI/Co-PI will be required to send their project staff at GSBTM as and when required for training/activities. Activities and training schedule will be communicated by this office.

You are requested to send a letter of acceptance. The details of the financial assistance sanctioned for the project are attached as Annexure-I.

  
**Akshay Saxena, IFS**  
Mission Director

**GUJARAT STATE BIOTECHNOLOGY MISSION**  
Department of Science & Technology, Government of Gujarat  
Block-11, 9th Floor, Udyog Bhavan, Gandhinagar-382017  
Phone: 91-79-232 52197 Fax: 91-79-232-52195  
Web Site: <http://btm.gujarat.gov.in>





**Akshay Kumar Saxena. I.E.S.**  
Mission Director



GSBTM/MD/PROJECTS/SSA/2492/2014-15  
7 November 2014

To,  
**Dr. Anil Kumar Singh,**  
Assistant Professor,  
Department of Biotechnology,  
Yogidham Gurukul, Kalawad Road,  
Rajkot -360 005

**Subject: GSBTM Financial Assistance Program [FAP-2014]**

This is with reference to your project entitled "Evaluation of different elicitors for bio-priming of in vitro grown banana plantlets against fungal and bacterial pathogens" sanctioned under FAP-2014. Please find below the details of the project:

Project Title:	Evaluation of different elicitors for bio-priming of in vitro grown banana plantlets against fungal and bacterial pathogens
Principal Investigator:	Dr. Anil Kumar Singh
Co-Principal Investigator:	Dr. Preetam Joshi
Amount Sanctioned:	Rs. 12,76,920/-

**Akshay Saxena,**  
Mission Director

**Project ID:**

**1101**

**Applicant Name**

**Dr. Anil Kumar Singh**

**Project Title**

**Evaluation of different elicitors for bio-priming of in vitro grown banana plantlets against fungal and bacterial pathogens**

**Budget Details**

**Non-Recurring (e.g. equipments, accessories, etc.)**

Detail	Year I	Year I (First six months Release)
Instrument (RT-PCR)	0	0

**Recurring (Manpower)**

Detail	Year I	Year I (First six months Release)
Junior Research Fellow	172800	86400

**Recurring (Consumables)**

Detail	Year I	Year I (First six months Release)
Consumables (Glassware Chemicals etc)	150000	75000

**other Items(Travel)**

Detail	Year I	Year I (First six months Release)
Travel (For conferences and project meets)	30000	15000

**Other Items (Contingency)**

Detail	Year I	Year II
Office Stationary	30000	15000

**Total**

Budget Summary	Year I	Year I (First six Months Release)
Non-Recurring	0	0
Recurring (Manpower)	172800	86400
Recurring (Consumables)	150000	75000
Other Items (Travel)	30000	15000
Other Items (Contingency)	30000	15000
Overhead Charges (- 10% of the Recurring Expenditure(If applicable))	32280	16140
<b>Total</b>	<b>415080</b>	<b>207540</b>

  
Mission Director  
S. B. T. M.

Assets acquired wholly or substantially out of GSBTM grants

Register to be maintained by Grantee Institution

## APPENDIX-A

Name of the Sanctioning Authority: Gujarat State Biotechnology Mission, Gandhinagar

1. Sl. No. GSBTM/MD/PROJECTS/SSA/1400/2014-15
2. Name of Grantee Institution: Shree M & N Virani Science College, Rajkot
3. No. & Date of sanction order: Received mail of sanction on 30<sup>th</sup> December 2016.
4. Amount of the sanctioned grant: 12,76,920/-
5. Brief purpose of the grant : Financial support for research project
6. Whether any condition regarding the right of ownership of GSBTM in the property or other assets acquired out of the grant was incorporated in the grant -in-aid sanction order: No
7. Particulars of assets actually credited or acquired: Not applicable
8. Value of the assets as on: Not applicable
9. Purpose for which utilized at present: Not applicable
10. Encumbered or not: Not applicable
11. Reasons, if encumbered: Not applicable
12. Disposed of or not: Not applicable
13. Reasons and authority, if any, for disposal: Not applicable
14. Amount realized on disposal: Not applicable
15. Remarks: NO

(PROJECT COORDINATOR)

(Dr. Anil Kumar Singh)

(ACCOUNT OFFICER)

(HEAD OF INSTITUTE)

(Dr. K.D. Ladva)

UC Principal

Shree Manibhai Virani and  
Smt. Navaben Virani Science College  
(Autonomous) Rajkot.



For, H.M VAKHARIYA & ASSOCIATES  
CHARTERED ACCOUNTANTS

Hemant M Vakhariya  
Proprietor  
Membership No.112212  
F.R.N. 122762W





**UTILISATION CERTIFICATE FOR  
FINANCIAL YEAR – 2016-17**

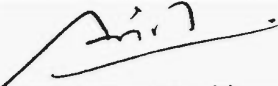
**APPENDIX-B**

1. **Title of the project/scheme:** Project title: Evaluation of different elicitors for bio-priming of in vitro grown banana plantlets against fungal and bacterial pathogens. Scheme: Financial Assistance Program -2014
  2. **Name of the Organization:** Shree M & N Virani Science College, Rajkot
  3. **Name of Principal Investigator:** Dr. Anil Kumar Singh
  4. **GSBTM sanction order no. & date of sanctioning the project:** Received mail of sanction on 30<sup>th</sup> December 2016.
  5. **Amount brought forward from the previous financial year** Rs. 40,721/- **quoting GSBTM letter No. & date in which the authority to carry forward the said amount was given :** NIL
  6. **Amount received from GSBTM during the financial year (Please give No. and dates of sanction orders showing the amounts paid):** Rs. 4,46,760/- Project ID: 1101. Received mail of sanction on 30<sup>th</sup> December 2016.
  7. **Other receipts/interest earned, if any, on the GSBTM grants:** No
  8. **Total amount that was available for expenditure during the financial year (Sl. nos. 5, 6 and 7):**Rs. 4,87,481
  9. **Actual expenditure (excluding commitments) incurred during the financial year (statement of expenditure is enclosed ):**Rs. 1,42,190/-
  10. **Unspent balance refunded, if any (Please give details of cheque No. etc.):** No
  11. **Balance amount available at the end of the financial year:**Rs. 3,45,291/-
  12. **Amount allowed to be carried forward to the next financial year vide letter No. & date:** Nil
- 
1. **Certified that the amount of Rs. 1,42,190/- mentioned against col. 9 has been utilized on the project / scheme for the purpose for which it was sanctioned and that the balance of Rs. 3,45,291/- remaining unutilized at the end of the year has not been surrendered to Govt. (Vide No. NIL dated NIL) / will be adjusted towards the grants-in-aid payable during the next year.**
  2. **Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled / are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.**

Kinds of checks exercised:

1. NIL
2. NIL
3. NIL
4. NIL
5. NIL

(PROJECT COORDINATOR)

  
(Dr. Anil Kumar Singh)

(HEAD OF INSTITUTE)

  
(Dr. K.D. Ladva)

IC Principal

Smt. Manibhai Virani and  
Navalben Virani Science College  
(Autonomous) Rajkot.



  
(ACCOUNT OFFICER)

For, H.M VAKHARIYA & ASSOCIATES  
CHARTERED ACCOUNTS



Hemant M Vakhariya  
Proprietor  
Membership No.112212  
F.R.N. 122762W



**Statement of Expenditure referred to in para 9 of the  
Utilization Certificate  
APPENDIX-C**

Showing grants received from the Gujarat State Biotechnology Mission and the expenditure incurred during the period from 1<sup>st</sup> October 2016 – 31<sup>st</sup> March 2017


(Rs. 4,87,481/-)

Item	Unspent balance Carried forward from previous year	Grants received from GSBTM during the year	Other receipts/ interest earned - if any, on the GSBTM grants	Total of Col. (2+3+4)	Expenditure (excluding) commitments) incurred during the year	Balance (5-6)	Remark
1	2	3	4	5	6	7	8
<b>1. Non -Recurring</b>							
Equipment	NIL	NIL	NIL	NIL	NIL	NIL	NIL
<b>2. Recurring</b>							
Human Resource	NIL	2,01,600	NA	201600	1,00,800	1,00,800	
Consumables	NIL	1,50,000	NA	1,50,000	NIL	1,50,000	
Travel	40,316	30,000	NA	70316	11,227	59089	
Contingency	NIL	30,000	NA	30,000	30,163	-163	Deducted from overhead
Overheads (if applicable)	405	35,160	NA	35,565	NIL	35,565	
<b>Total</b>	<b>40,721</b>	<b>4,46,760</b>		<b>4,87,481</b>	<b>1,42,190</b>	<b>3,45,291</b>	

NA: Not applicable



(PROJECT COORDINATOR)

  
(Dr. Anil Kumar Singh)

(HEAD OF INSTITUTE)


  
(Dr. K.D. Ladva)  
JC Principal



Shree Manibhai Virani and  
Smt. Navalben Virani Science College  
(Autonomous) Rajkot.

  
(ACCOUNT OFFICER)

For, H.M VAKHARIYA & ASSOCIATES  
CHARTERED ACCOUNTS

  
Hemant M Vakhariya  
Proprietor  
Membership No.112212  
F.R.N. 122762W



Assets acquired wholly or substantially out of GSBTM grants

Register to be maintained by Grantee Institution

## APPENDIX-A

Name of the Sanctioning Authority: Gujarat State Biotechnology Mission, Gandhinagar

1. Sl. No. GSBTM/MD/PROJECTS/SSA/1400/2014-15
2. Name of Grantee Institution: Shree M & N Virani Science College, Rajkot
3. No. & Date of sanction order: Received mail of sanction on 30<sup>th</sup> December 2016.
4. Amount of the sanctioned grant: 12,76,920/-
5. Brief purpose of the grant : Financial support for research project
6. Whether any condition regarding the right of ownership of GSBTM in the property or other assets acquired out of the grant was incorporated in the grant -in-aid sanction order: No
7. Particulars of assets actually credited or acquired: Not applicable
8. Value of the assets as on: Not applicable
9. Purpose for which utilized at present: Not applicable
10. Encumbered or not: Not applicable
11. Reasons, if encumbered: Not applicable
12. Disposed of or not: Not applicable
13. Reasons and authority, if any, for disposal: Not applicable
14. Amount realized on disposal: Not applicable
15. Remarks: No

(PROJECT COORDINATOR)

Dr. Arjun Kumar Singh

(ACCOUNT OFFICER)

(HEAD OF INSTITUTE)

Dr. K.D. Ladva  
I/C Principal

Shree Manibhai Virani and  
Smt. Navalben Virani Science College  
(Autonomous)



For, H.M VAKHARIYA & ASSOCIATES  
CHARTERED ACCOUNTS

Hemant M Vakhariya  
Proprietor  
Membership No.112212  
F.R.N. 122762W



**UTILISATION CERTIFICATE FOR  
FINANCIAL YEAR –2017- 18**

**APPENDIX-B**

1. **Title of the project/scheme:** Project title: Evaluation of different elicitors for bio-priming of in vitro grown banana plantlets against fungal and bacterial pathogens. Scheme: Financial Assistance Program -2014
  2. **Name of the Organization:** Shree M & N Virani Science College, Rajkot
  3. **Name of Principal Investigator:** Dr. Anil Kumar Singh
  4. **GSBTM sanction order no. & date of sanctioning the project:** Received mail of sanction on 30<sup>th</sup> December 2016.
  5. **Amount brought forward from the previous financial year** Rs. 3,45,291/- **quoting GSBTM letter No. & date in which the authority to carry forward the said amount was given :** NIL
  6. **Amount received from GSBTM during the financial year (Please give No. and dates of sanction orders showing the amounts paid):** NIL
  7. **Other receipts/interest earned, if any, on the GSBTM grants:** No
  8. **Total amount that was available for expenditure during the financial year (Sl. nos. 5, 6 and 7):** Rs. 3, 45,291/-
  9. **Actual expenditure (excluding commitments) incurred during the financial year (statement of expenditure is enclosed ):** Rs. 1,38,399/-
  10. **Unspent balance refunded, if any (Please give details of cheque No. etc.):** No
  11. **Balance amount available at the end of the financial year:** 2,06,892
  12. **Amount allowed to be carried forward to the next financial year vide letter No. & date:** Nil
- 
1. **Certified that the amount of Rs. 1,38,399/- mentioned against col. 9 has been utilized on the project / scheme for the purpose for which it was sanctioned and that the remaining total balance of Rs. 2,47,223 (Rs. 2,06,892 (unutilized balance) + Rs. 40,331 (interest earned during 3 years of project tenure) remaining unutilized at the end of the year is being surrendered to Gujarat State Biotechnology Mission (Vide cheque no 485903 (IOB), dated 21/06/2018).**
  2. **Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled / are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.**




Kinds of checks exercised:

1. NIL
2. NIL
3. NIL
4. NIL
5. NIL

(PROJECT COORDINATOR)

  
(Dr. Anil Kumar Singh)

(HEAD OF INSTITUTE)

  
(Dr. K.D. Ladva)  
H.C. Principal

Shree Manibhai Virani and  
Smt. Navalben Virani Science College  
(Autonomous) Rajkot.



  
(ACCOUNT OFFICER)

For, H.M VAKHARIYA & ASSOCIATES  
CHARTERED ACCOUNTANTS



Hemant M Vakhariya  
Proprietor  
Membership No.112212  
F.R.N. 122762W



**Statement of Expenditure referred to in para 9 of the  
Utilization Certificate  
APPENDIX-C**

Showing grants received from the Gujarat State Biotechnology Mission and the expenditure incurred during the period from 1<sup>st</sup> April 2017 – 31<sup>st</sup> December 2018

(Rs. 3, 45,291/-)

Item	Unspent balance Carried forward from previous year	Grants received from GSBTM during the year	Other receipts/ interest earned - if any, on the GSBTM grants	Total of Col. (2+3+4)	Expenditure (excluding commitments) incurred during the year	Balance (5-6)	Remark
1	2	3	4	5	6	7	8
<b>1. Non –Recurring</b>							
Equipment	NIL	NIL	NIL	NIL	NIL	NIL	NIL
<b>2. Recurring</b>							
Human Resource	1,00,800	NIL	NA	1,00,800	84,000	16,800	NIL
Consumables	1,50,000	NIL	NA	1,50,000	18,834	1,31,166	NIL
Travel	59,089	NIL	NA	59,089	NIL	59,089	NIL
Contingency	-163	NIL	NA	-163	NIL	-163	NIL
Overheads (if applicable)	35,565	NIL	NA	35,565	35,565	NIL	NIL
<b>Total</b>	<b>3,45,291</b>	<b>NIL</b>	<b>NA</b>	<b>3,45,291</b>	<b>1,38,399</b>	<b>2,06,892</b>	<b>NIL</b>

NA: Not applicable

**Interest received during project tenure (date: 04/08/14 – 02/05/18)**

<b>Date (on which interest was credited)</b>	<b>Amount (in Rs.)</b>
04/08/14	642
01/02/15	3393
02/08/15	2451
05/02/16	6373
07/08/16	7103
02/02/17	5175
03/02/17	52
01/05/17	3990
02/08/17	3468
02/11/17	3057
05/02/18	2531
02/05/18	2096
<b>Total</b>	<b>40331</b>

\*Refer to photocopy of bank statement for proof

- A. Total Balance at end of December 2018: Rs. 2,06,892
- B. Total interest received in 3 years: Rs. 40,331
- C. **Final Balance remaining and being refunded to Gujarat State Biotechnology Mission (A+B):Rs. 2,47,223 (Cheque no.: 485903 dated: 21/06/2018)**



(PROJECT COORDINATOR)

(Dr. Anil Kumar Singh)

(HEAD OF INSTITUTE)

(Dr. K.D. Ladva)

IC Principal

**Shree Manibhai Virani and  
Smt. Navalben Virani Science College**  
(Autonomous)



(ACCOUNT OFFICER)

For, H.M VAKHARIYA & ASSOCIATES  
CHARTERED ACCOUNTANTS

Hemant M Vakhariya  
Proprietor

Membership No.112 212  
F.R.N. 122762W



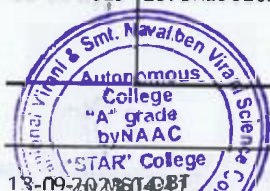
# Shri M. & N. Virani Science College (SF)

## Ledger Report

### Other Income

Period :01-Apr-2017 - 31-Mar-2021

Date	Voucher No	Narration	Bank Info	Debit	Credit	Running Balance
01-04-2017		Opening Balance				0.00 Cr
18-04-2017	205BP170418-3	Ms.Heena N.Jobanputra,Feb,2017.	170252	750.00		750.00 Dr
		Heena Narendra Jobanputra				
21-07-2017	205BR170721-2	Darshi M Dave (Testing)	000011		36,600.00	35850.00 Cr
		Yourself				
21-09-2017	207BR170921-1	Received From Kamani Science College & Prataprai Arts College,Amreli,(FTIR Sample Analysis).	677370		300.00	36150.00 Cr
		Yourself				
14-10-2017	207BR171014-1	Shree Siddhivinayak Enterprise,(Sponsor Ship),	000836		25,000.00	61150.00 Cr
		Siddhi Vinayak Enterprise				
19-12-2017	207BR171219-1	Receive in NEFT Viroja yashvi Vipulbhai BCA-4	417353253 2116		0.10	61150.10 Cr
		Yashvi Vipulbhai Viroja				
21-12-2017	207BR171221-1	Received from:-GSBTM,(During Project Of Mr.Anikumar Singh,Over Head Exp.	485902		35,565.00	96715.10 Cr
		Yourself				
29-12-2017	207BR171229-3	Kamani Science College & Pratap Arts College,Amreli.(Sample Testing).	677371		2,660.00	99375.10 Cr
		Kamani Science & Prataprai Arts College, Amreli				
31-03-2018	JV180331-29	Transfer From Krishi Kalyan Cess.			3.00	99378.10 Cr
31-03-2018	JV180331-31	Trafer From Swachh Bharat Cess.			3.00	99381.10 Cr
31-03-2018	JV180331-33	Transfer from Service Tax Payable.			3.00	99384.10 Cr
31-03-2018	JV180331-40	Transfer to day care exp.			13,582.00	112966.10 Cr
31-03-2018	JV180331-51	Transfer From Late Fees,Penalty Other income.			2,18,130.00	331096.10 Cr
31-03-2018	JV180331-53	Trasfer From M & N Virani UGC			600.00	331696.10 Cr
02-01-2019	OBR190102-2	cheque receive in Axis Bank -SOLANKI ASHA KANUBHAI Bvoc MI-6sem	385724		100.00	331796.10 Cr
		Asha Kanubhai Solanki				
01-02-2019	207BR190201-1	Receive in online as per bank statement Id No-705582503			1.00	331797.10 Cr
		<b>Total / Closing Balance</b>		<b>850.00</b>	<b>3,64,434.10</b>	<b>331797.10 Cr</b>



Shri Manibhai Virani and