

Fwd: Submission of Necessary Documents pertaining to your proposal recommended in TEC Meeting PHN regarding-

tressia joseph <tressiapaulose@gmail.com>

Thu, Jun 4, 2020 at 7:33 AM

To: Yogesh Dalvi <yogesh_dalvi@pushpagiri.in>, Yogesh Dalvi <yogesh.botany@gmail.com>

----- Forwarded message -----

From: **Balendra Singh** <balendra.singh@dbt.nic.in>

Date: Wed, Jun 3, 2020 at 8:03 PM

Subject: Re: Submission of Necessary Documents pertaining to your proposal recommended in TEC Meeting PHN regarding-

To: tressiapaulose <tressiapaulose@gmail.com>

Cc: Vamsi Krishna Addanki <vk.addanki@nic.in>

Dear Dr. Tressia,

Your project proposal entitled "**Human Milk based Human Milk Fortifier for Preterm Infants**" is under consideration by DBT. The STAG committee has been recommended the proposal for financial support at a **total cost of Rs.50 Lakhs for a period of three years**. You are required to send the revised proposal, accordingly.

Further, In this regard, you are also requested to submit the following details for further processing of the proposal, A checklist for the purpose is being enclosed with this mail.

- i. Status of Indian Institution: (Public)- Government or non-Government, State, aided etc. (Private-Not for profit only)- copies of registration certificate, Articles and Memorandum of Association and Audited Statement of Accounts of last three year and DSIR certificate have to be enclosed.
- ii. Quotations for the "NR items", if mentioned in your proposal. There should be individual quotations for all the items.
- iii. Justification for the Equipment requested under NR head
- iv. Justification for the Manpower positions requested for the project by linking with the objectives.
- v. Detailed justification and the break-up of the budget requested under consumables head
- vi. Details of ongoing projects with the PI/ Co-PI/ Co-I as per the following format:

S.No	Name of project	Funding agency	Sanctioned budget	Project duration (Dates)		Working as PI/ Co-PI/ Co-I
				From	to	

vi. Information for completed projects of PIs (DBT funded projects only)

S.No	Name of project	Sanctioned budget	Duration (Dates)	Date of actual completion	Whether the project completed & completion report accepted by DBT	Whether project accounts settled or not. If not money lying with PI to be refunded to DBT, or whether funds not yet completely
			From /To			

released	by
DBT	

vii. Full bank details of beneficiary institutions

viii. Statutory clearances –Please furnish the Ethical approval from your institute in the first instance. *We would proceed for financial concurrence in DBT only upon receipt of the Ethical clearance/Approval. In case it is not applicable, it be so mentioned.*

In case of clinical study, please furnish DCGI clearance

2. Check list as per the format enclosed.

Note: Please submit the above mentioned details at earliest to expedite the process, Soft copies/scanned copies with stamp & signatures wherever required may be submitted immediately followed by dispatching hard copy of documents at priority basis. Do not forget to *sign* each page of checklist.

Best regards,

Balendra

डॉ. बालेन्द्र सिंह

वैज्ञानिक-सी

जैवप्रौद्योगिकी विभाग

विज्ञान प्रौद्योगिकी मंत्रालय

ब्लॉक - 3, 5वां तल, कमरा सं. 525B

सीजीओ परिसर, लोदी रोड

नई दिल्ली-110003

Dr. Balendra Singh

Scientist-C

Department of Biotechnology

Ministry of Science and Technology

Block-3, 5th Floor, Room No.525B

CGO complex, Lodi Road

New Delhi-110003

“For I know the plans I have for you,” declares the Lord, “plans to prosper you and not to harm you, plans to give you hope and a future.”

Dr. Tressia Alias Princy Paulose

Assistant Professor

Post Graduate and Research Department of Chemistry (DST-FIST sponsored)


Bishop Moore College (NAAC re-accredited with A grade),

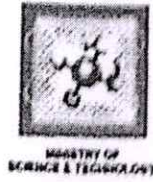
Mavelikara, Kallumala P. O.,

Alappuzha District, PIN 690110

Kerala, India

Mob. No. +91 8606807214

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भारत सरकार
विज्ञान और प्रौद्योगिकी विभाग
बायोटेक्नोलॉजी विभाग
ब्लॉक-2, एन एन सी, सीए सीए सीए कॉम्प्लेक्स
लोदी रोड, नई दिल्ली-110023
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
Block-2, In ENN C, S O, Complex
Lodi Road, New Delhi-110023

BT/PR35610/PFN/20/1508/2020

Dated: 17.03.2021

Dear Dr. Tressia Paulose & Dr. Yogesh Bharat Dalvi,

Your grant proposal entitled, "Human Milk based Human Milk Fortifier for Preterm Infants" has been approved by Department of Biotechnology, at a total budget of Rs. 49.90200 lakhs for a period of 3 years with the first year partial release of Rs. 10.0 lakhs under NR head Plus Rs. 2.571 lakhs under Recurring head for BMC, Kerala component and Rs. 1.525 lakhs under NR head plus Rs. 1.996 for PIMSRC, Kerala component which is subject to submission of MoA plus terms and conditions in 10 days time upon receipt of this letter. The date of implementation of the grant is 16/03/2021. The soft copies of MoA and terms and conditions are enclosed. Please note that every page of MoA and terms and conditions are to be signed.

With Regards,

Yours Sincerely,

Vamsi Krishna 17/3/2021

Dr. Vamsi Krishna
श्री. अ. वामिसु कृष्णा / Dr. A. Vamsi Krishna
तज्ज्ञ विद्वान् / Scientist
बायोटेक्नोलॉजी विभाग / Dept. of Biotechnology
विज्ञान और प्रौद्योगिकी विभाग / M/o Science & Tech.
भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

To,

Dr. Tressia Paulose,
Bishop Moore College, Kerala.

Dr. Yogesh Bharat Dalvi,
PIMSRC, Kerala.

Website: <http://www.dbtindia.nic.in> <http://www.btiisnet.gov.in>
दूरभाष / Telephone : 24363012, 24362329 फैक्स / Fax : 011-24362884

B I O T E C H N O L O G Y

No. BT/PR35610/PFN/20/1508/2020
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated: 16/03/2021

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: **"Human Milk based Human Milk Fortifier for Preterm Infants"** for a period of 3 Year 0 Month at a total cost of **Rs. 4990200** (Rupees Fourty Nine Lakhs Ninety Thousand Two Hundred Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : "Human Milk based Human Milk Fortifier for Preterm Infants"

Details of the Investigators:

2.2

Project Coordinator

Dr. Tressia Alias Princy Paulose

Assistant Professor

Chemistry

Bishop Moore College, Mavelikara, Kerala

Post Graduate & Research Department of Chemistry

Bishop Moore College, Kallumala P. O., Mavelikara, Alappuzha,

Alappuzha, Kerala, 690110

Principal Investigators:

Dr. Tressia Alias Princy

Paulose

Assistant Professor

Chemistry

Bishop Moore College, Mavelikara,

Kerala

Dr. Tressia Alias Princy

Paulose

Assistant Professor

Chemistry

Bishop Moore College, Mavelikara,

Kerala

Dr. YOGESH BHARAT DALVI

SCIENTIST

PUSHPAGIRI RESEARCH CENTRE

Pushpagiri Research Centre,

Pushpagiri Institute of Medical

Sciences and Research Centre

CO-PI:

**Dr. Prashanth
Thankachan**

Associate Professor
Division of Nutrition
St. John's Research
Institute
Division of Nutrition,
St. John Research
Institute, St. John's
National Academy of
Health Sciences,
Sarjapur Road,
Bangaluru - 560034,
INDIA, Bangalore -
560034, Karnataka

**Ms. Pinchu Elizabeth
Thomas**

Assistant Professor
Food Science and
Technology
Mar Athanasios College
for Advanced Studies
Tiruvalla
Mar Athanasios College
for Advanced Studies,
Tiruvalla, Kerala,
Tiruvalla - 689101,
Kerala

Dr. Jacob Abraham
Professor

Paediatrics and
Neonatology
Pushpagiri Research
Centre, Pushpagiri
Institute of Medical
Sciences and Research
Centre
Pushpagiri Institute of
Medical Sciences and
Research Centre,
Tiruvalla, Kerala,
Tiruvalla - 689101,
Kerala

**Ms. Rekha Rose
Koshy**

Assistant Professor
Post Graduate and
Research Department
of Chemistry
Bishop Moore College,
Mavelikara, Kerala
Bishop Moore College,
Kallumala P. O.,
Mavelikara, Alappuzha,
Alappuzha - 690110,
Kerala

Ms. Siji K Mary
Assistant Professor and
Head
Chemistry
Bishop Moore College,
Mavelikara, Kerala
Bishop Moore College,
Kallumala P. O.,
Mavelikara, Alappuzha,
Alappuzha - 690110,
Kerala

Dr. Nebu George
Thomas
Professor
Tissue Engineering
Pushpagiri Research
Centre, Pushpagiri
Institute of Medical
Sciences and Research
Centre
Pushpagiri Institute of
Medical Sciences and
Research Centre,
Thiruvalla, Kerala,
Thiruvalla - 689101,
Kerala

2.3 Objectives:

Overall Objectives:

1. Developing and Optimizing the Freeze Drying process for converting human milk to human milk powder with minimal loss of nutrition
2. Fortification of human milk powder with the necessary nutrients to meet the nutritional requirements of preterm infants

Institute wise Objectives:

Bishop Moore College, Mavelikara, Kerala

1. Developing and Optimizing the freeze drying process for converting human milk to human milk powder with minimal loss of nutrition
2. Fortification of human milk powder with the necessary nutrients to meet the nutritional requirement of preterm infants
3. Study of the shelflife and stability of the human milk based human milk fortifier

Pushpagiri Research Centre, Pushpagiri Institute of Medical Sciences and Research Centre

1. Source for Donor Human Milk
2. Fortification of human milk powder

Deliverables:-

Quarterly Deliverables and Timelines for the Project

Institute Name: Bishop Moore College, Mavelikara, Kerala

Project duration: 36 months

Quarterly Deliverables

Quarter 1 (month 1 to month 9):

Deliverable 1: Procurement of equipment and manpower

Deliverable 2: Preliminary Freeze drying experiments

Deliverable 3: Report writing and publishing a review

Quarter 2 (month 10 to month 18):

Deliverable 1: Freeze-dried donor human milk with minimum moisture content
 Deliverable 2: Study and comparison of nutritional data (macro and micronutrients) of the unprocessed and processed (freeze-dried) human milk
 Deliverable 3: Report writing

Quarter 3 (month 19 to month 27):

Deliverable 1: Optimized freeze-drying process to get a product with minimal loss of nutritional composition
 Deliverable 2: Report writing and Publications

Quarter 4 (month 28 to month 36):

Deliverable 1: Shelf life and stability studies of the freeze-dried human milk
 Deliverable 2: Determination of the best storage conditions for the freeze-dried human milk
 Deliverable 3: Report writing and Publications/Patent filing

Timeline for the Project

S.No	Workplan	Activity	Start Month	End Month
1	Procurement of equipment and manpower needed for the project	Sealed Quotations will be invited for the purchase of the equipment (Freeze Dryer, homogenizer etc.). The lowest bids which meet our specifications and standard quality offering warranty and additional features will be selected for the purchase of the equipment. A Project Assistant will also be interviewed for the position and hired.	1	6
2	Freeze Drying Experiments	The donor human milk collected and stored in the freezer at Pushpagiri Institute of Medical Sciences will be transported to Bishop Moore College. The human milk will be lyophilized to remove maximum moisture content. The lyophilization time, temperature, pressure, condenser temperature, etc, will be varied so as to obtain a minimal loss of nutrients.	7	27
3	Analysis of Macro And micronutrients	The resultant freeze-dried human milk product will be analysed for moisture, and the macronutrients and micronutrient concentrations which will be compared to international standards.	10	36
4	Shelf life studies	The stability of the freeze dried human milk under various storage conditions (different temperatures) will be evaluated	27	36

Institute Name: Pushpagiri Institute of Medical Sciences, Tiruvalla, Kerala

Project duration: 36 months

Quarterly Deliverables

Quarter 1 (month 1 to month 9) :

Deliverable 1: Procurement of equipment and manpower
 Deliverable 2: Establishing a source of donor human milk
 Deliverable 3: Report writing and publishing a review

Quarter 2 (month 10 to month 18):

Deliverable 1: Maintaining a steady supply of Donor Human milk
 Deliverable 2: Analytical studies (ELISA, HPLC, etc.) of the processed and unprocessed human milk
 Deliverable 2: Report writing

Quarter 3 (month 19 to month 27):

Deliverable 1: Maintaining a steady supply of Donor Human milk
 Deliverable 2: Report writing

Quarter 4 (month 28 to month 36):

Deliverable 1: Maintaining a steady supply of Donor Human milk
 Deliverable 2: Fortification of the freeze dried human milk
 Deliverable 3: Report writing and Publications/Patent filing

Timeline for the Project

S. No	Workplan	Activity	Start Month	End Month
1	Procurement of equipment and manpower needed for the project	Sealed Quotations will be invited for the purchase of the equipment (Elisa Reader etc.). The lowest bids which meet our specifications and standard quality offering warranty and additional features will be selected for the purchase of the equipment. A Project Assistant will also be interviewed for the position and hired.	1	6

2	Source for donor human milk	Informed written consents from mothers willing to donate human milk will be obtained. The collected human milk will be stored and pooled in hygienic and appropriate conditions which will be then transported to Bishop Moore College for the freeze drying process.	6	36
3	Analytical studies	Performing analytical tests like ELISA, HPLC, etc. for studying the macro and micronutrient of unprocessed human milk and freeze dried human milk powder.	10	36
4	Fortification	The human milk powder will be appropriately fortified with the deficit nutrients in the needed concentrations for preterm infants.	27	36

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. **4990200/-** (Rupees Fourty Nine Lakhs Ninety Thousand Two Hundred Only) as per details given below :

Institute	Year I	Year II	Year III	Total Cost(Rs.)
1. Bishop Moore College, Mavelikara, Kerala	2514200	519200	464200	3497600
2. Pushpagiri Research Centre, Pushpagiri Institute of Medical Sciences and Research Centre	704200	409200	379200	1492600
Total (Rs.)	3218400	928400	843400	4990200

Institute wise details are:

Budget Head	Year I	Year II	Year III	Total(Rs.)
1. Bishop Moore College, Mavelikara, Kerala				
Equipment	2000000.00			2000000.00
Manpower	259200.00	259200.00	259200.00	777600.00
Overhead	100000.00	100000.00	50000.00	250000.00
Travel	30000.00	30000.00	30000.00	90000.00
Consumables	100000.00	100000.00	100000.00	300000.00
Contingency	25000.00	30000.00	25000.00	80000.00
Total (Rs.)	2514200.00	519200.00	464200.00	3497600.00
2. Pushpagiri Research Centre, Pushpagiri Institute of Medical Sciences and Research Centre				
Equipment	305000.00			305000.00
Manpower	259200.00	259200.00	259200.00	777600.00

Overhead	30000.00	35000.00	35000.00	100000.00
Travel	15000.00	20000.00	15000.00	50000.00
Consumables	75000.00	75000.00	50000.00	200000.00
Contingency	20000.00	20000.00	20000.00	60000.00
Total (Rs.)	704200.00	409200.00	379200.00	1492600.00

2.6 Equipment:

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

2.7 Manpower:

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

3. Head of Account:

The Non-Recurring expenditure involved is debitable to:

Demand No. 88	Department of Biotechnology
3425	Other Scientific Research 2020-2021
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.35	Grants for creation of capital assets

The Recurring expenditure involved is debitable to:

Demand No. 58	Department of Biotechnology
3425	Other Scientific Research 2020-2021
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.31	Grants -In-Aid General

4. Terms & Conditions:

a. In the event of the grantee failing to comply with the conditions or committing breach of the conditions of the bond, the signatories to the bond shall be jointly and severally liable to refund to the President of India, the whole or a part amount of the grant with interest at ten per cent per annum thereon or the sum specified under the bond. The stamp duty for this bond shall be borne by the Government

b. In case the whole or a part of the amount of the grant in aid is being refunded, an interest at the rate of ten per cent per annum thereon shall be recovered.

c. The Nonrecurring grant shall be utilised within 18 months of the release

4.1 The other terms and conditions governing this sanction are attached at Annexure- III.

4.2A Memorandum of Agreement (MoA) will be signed between the Department of Biotechnology and the grantee institution on Non-Judicial stamp paper Rs. 100/- in the enclosed format and the second release/installment will be made only after signing of MoA between the grantee institutions and DBT. In case of NGO's and Private Institution's, execution of MOA is mandatory before first release. A format of the MoA is enclosed in Annexure-IV

4.3 The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilisation Certificate and Statement of Expenditure. The Interest so earned will be treated as created to the institute/Agency and shall be adjusted towards further installment of the grant and or at the time of Final Settlement of Accounts.

5.No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.

5.The Dr. Sabu George, Principal, Bishop Moore College, Mavelikara, Kerala, Alappuzha, Kerala and The Rev. Dr. Mathew Mazhavancheril, Pushpagiri Research Centre, Pushpagiri Institute of Medical Sciences and Research Centre, Tiruvalla, Kerala would be responsible for submission of Statements of Expenditure (SoE), utilization certificates (UC), Assets Certificates, Manpower staffing & expenditure details in prescribed DBT formats to DBT in respect of grants released in this project from time to time.

7.PI's of DBT sponsored projects can consider appointment of JRF from Category-II merit list of DBT-BET exam so that candidates can be paid fellowships at par with NET/GATE/BET qualified candidates as per DST OM No. A.SR/S9/Z-05/2019 dated on 30 Jan 2019. However, there is no compulsion on PI's to select candidates for JRF in their projects from Category-II of DBT-BET.

8.As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organisations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organisation is called upon to do so.

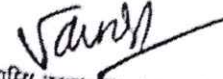
9.If the Research Project involves biological resources, the obligations under the Biological Diversity Act 2002 as applicable shall be complied with by the Project Investigator, the details of such obligations can be accessed at www.nbaindia.org

10. If this project works requires any Statutory Clearance (such as Ethical Committee Clearance, Informed Consent, Animal Ethics Committee Clearance, Institutional Bio-safety Committee Clearance, National Biodiversity Authority approval etc.), Project Investigator(s) and Host Institution(s) shall compulsorily comply the same before undertaking such activities.

11. This issues under the power delegated to this Department and with the concurrence of IFD vide their SAN No. 102/IFD/SAN/2968/2020-2021 dated March, 16 2021.

12. This sanction order has been noted at serial no. _____ In the Register of Grants.

To,
The Pay & Accounts Officer,
Department of Biotechnology,
New Delhi - 110 003.


(Dr. Vamsi Krishna Addanki)
Scientist-E
Department of Biotechnology
Ministry of Science & Technology
Government of India, New Delhi

copy to:

- 1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110 002.
- 2 Dr. Tressia Alias Princy Paulose (Project Co-ordinator), Post Graduate and Research Department of Chemistry, Bishop Moore College, Kallumala P. O., Mavelikara
- 3 The Dr. Sabu George, Principal, Bishop Moore College, Mavelikara, Kerala, Kallumala P.O. Mavelikara, Alappuzha, Alappuzha - 690110, Kerala
- 4 The Rev. Dr. Mathew Mazhavancheril, Pushpagiri Research Centre, Pushpagiri Institute of Medical Sciences and Research Centre, Pushpagiri Research Centre, Pushpagiri Institute of Medical Sciences and Research Centre, Tiruvalla, Pathanamthitta, Kerala, India 689101, Tiruvalla - 689101, Kerala
- 5 Dr. Jacob Abraham, Professor, Paediatrics and Neonatology, Pushpagiri Research Centre, Pushpagiri Institute of Medical Sciences and Research Centre, Pushpagiri Institute of Medical Sciences and Research Centre, Tiruvalla, Kerala, Tiruvalla - 689101, Kerala
- 6 Dr. Nebu George Thomas, Professor, Tissue Engineering, Pushpagiri Research Centre, Pushpagiri Institute of Medical Sciences and Research Centre, Pushpagiri Institute of Medical Sciences and Research Centre, Thiruvalla, Kerala, Tiruvalla - 689101, Kerala
- 7 Dr. Prashanth Thankachan, Associate Professor, Division of Nutrition, St. John's Research Institute, Division of Nutrition, St. John's Research Institute, St. John's National Academy of Health Sciences, Sarjapur Road, Bangalore - 560034, INDIA, Bangalore - 560034, Karnataka
- 8 Dr. Tressia Alias Princy Paulose, Assistant Professor, Chemistry, Bishop Moore College, Mavelikara, Kerala, Post Graduate and Research Department of Chemistry Bishop Moore College, Kallumala P. O., Mavelikara, Alappuzha, Alappuzha - 690110, Kerala
- 9 Dr. YOGESH BHARAT DALVI, SCIENTIST, PUSHPAGIRI RESEARCH CENTRE, Pushpagiri Research Centre, Pushpagiri Institute of Medical Sciences and Research Centre, Research Coordinator & Scientist, Molecular Biology & Phytochemicals Research Lab. Pushpagiri Research Centre, Pushpagiri Institute of Medical Sciences, Thiruvalla, Pathanamthitta, Kerala, India. 6891, Tiruvalla - 689101, Kerala
- 10 Ms. Pinchu Elizabeth Thomas, Assistant Professor, Food Science and Technology, Mar Athanasios College for Advanced Studies Tiruvalla, Mar Athanasios College for Advanced Studies, Tiruvalla, Kerala, Tiruvalla - 689101, Kerala
- 11 Ms. Rekha Rose Koshy, Assistant Professor, Post Graduate and Research Department of Chemistry, Bishop Moore College, Mavelikara, Kerala, Bishop Moore College, Kallumala P. O., Mavelikara, Alappuzha, Alappuzha - 690110, Kerala
- 12 Ms. Siji K Mary, Assistant Professor and Head, Chemistry, Bishop Moore College, Mavelikara, Kerala, Bishop Moore College, Kallumala P. O., Mavelikara, Alappuzha,

- Alappuzha - 690110, Kerala
 13 Cash Section, DBT (2 copies),
 14 Sanction Folder.
 15 File Copy.

Vamsi
 (Dr. A. Vamsi Krishna)
 Scientist-E
 डॉ. अ. वाम्बिसि क्रिष्णा / Dr. A. Vamsi Krishna
 वैज्ञानिक 'E' / Scientist 'E'
 बायोटेक्नोलॉजी विभाग / Deptt of Biotechnology/
 विज्ञान और प्रौद्योगिकी मंत्रालय / M/o Science & Tech.
 भारत सरकार, नई दिल्ली / Govt. of India, N. Delhi

~~(Dr. Vamsi Krishna Addank)~~
~~Dr. Vamsi Krishna Addank~~
 डॉ. अ. वाम्बिसि क्रिष्णा / ~~Dr. Vamsi Krishna~~
 वैज्ञानिक 'E' / ~~Scientist-E~~
 बायोटेक्नोलॉजी विभाग / ~~Deptt of Biotechnology~~
 विज्ञान और प्रौद्योगिकी मंत्रालय / ~~M/o Science & Tech.~~
 भारत सरकार, नई दिल्ली / ~~Govt. of India, N. Delhi~~

Cherian



Fr. Dr. CHERIAN J KOTTAYIL
 PRINCIPAL
 Mar Athanasios College For Advanced Studies
 Tiruvalla- 689101, Kerala

Form No. 10 / 111