



# CHRIST THE KING ENGINEERING COLLEGE


Karamadai, Coimbatore - 641104

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)  
Ph: +91 91500 76729 Email: principal@ckec.ac.in Web: www.ckec.ac.in

## 3.1.1 Grants received from government and non-governmental agencies during the academic year 2020-2021

S.No	Name of the Project	Name of the Principal Investigator & Co-Investigators	Name of the Funding Agency	Amount Sanctioned (INR in Lakhs)
1	Investigation on Anaerobic Composting for Soil Health Enhancement and Development to Fermented Products	Dr.M.Jeyakumar Mr.D.Citharthan Mr.V.Suresh Babu	Department of Science and Technology (DST)	82.33347



  
Dr. M. JEYAKUMAR, M.E., Ph.D.  
PRINCIPAL  
CHRIST THE KING ENGINEERING COLLEGE  
Chikkarampalayam Village,  
Karamadai, Mettupalayam Taluk,  
Coimbatore - 641 104.

**No. DST/SEED/SCSP/STI/2020/416/G**  
**Government of India**  
**Department of Science and Technology**  
**Science for Equity Empowerment and Development Division**

**Technology Bhavan**  
**New Mehrauli Road**  
**New Delhi – 110 016.**

**30<sup>th</sup> March 2021**

**ORDER**

Sub: Financial assistance for the project "Investigation on anaerobic composting for soil health enhancement and development to fermented products" under the guidance of **Dr. M Jeyakumar, Christ the King Engineering College, Onnipalayam Road, Karamadai, Coimbatore – 641 104, Tamil Nadu.**

Sanction of the President is hereby accorded to the approval of the above mentioned project at a total cost of Rs 82,33,347/- (Rupees Eighty-two lakh Thirty-three thousand Three hundred Forty-seven Only) for a period of (Three) years. The detailed breakup of the grant for general and capital components are given below.

**BUDGET BREAK UP**

General Component	Rs. 54,41,918/-
Capital Assets	Rs. 27,91,429/-
<b>TOTAL</b>	<b>Rs. 82,33,347/-</b>

2. The items of expenditure for which total allocation of Rs. 82,33,347/- (Rupees Eighty-two lakh Thirty-three thousand Three hundred Forty-seven Only) has been approved are given below.

BUDGET HEADS		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	Total
A. GENERAL COMPONENT		(in Rs.)	(in Rs.)	(in Rs.)	(in Rs.)
<b>MANPOWER</b>					
1.	JRF (02) @ Rs. 31,000/- + 16% HRA per month each, for I and II year, then Rs. 35,000/- + 16% HRA per month each for III year.	8,63,040	8,63,040	9,74,400	27,00,480
<b>CONSUMABLES</b>					
1.	Bokashi bran powder	5,188	5,188	5,188	15,564
2.	Wheat bran/ rice bran	198	198	198	594
3.	Essential microorganism (EMI)	4,410	4,410	4,410	13,230
4.	Blackstrap molasses syrup	170	170	170	510
5.	Environment friendly banners, pamphlets / small booklets.	25,000	25,000	25,000	75,000
6.	Cow dung.	4,500	4,500	4,500	13,500
7.	Milk Kefir grains	9,333	9,333	9,333	27,999
8.	Cocoa beans.	64,382	64,382	64,382	1,93,146



*M. Jeyakumar*

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9.	Sulphur free sugar	3,966	3,966	3,966	11,898
10.	Cocoa butter.	21,666	21,666	21,666	64,998
11.	Milk powder	8,333	8,333	8,333	24,999
SUB TOTAL		1,47,146	1,47,146	1,47,146	4,41,438
TRAVEL					
1.	Project logistics	1,00,000	1,00,000	1,00,000	3,00,000
2.	Field activities				
REVIEW MEETINGS BY DST					
1.	Monitoring and Evaluation by LPMC and DST	1,00,000	1,00,000	1,00,000	3,00,000
TRAININGS					
1.	Anaerobic bokashi composting training.	1,50,000	2,00,000	1,50,000	5,00,000
2.	Homemade kefir chocolates and beverages.	1,00,000	1,50,000	50,000	3,00,000
3.	Skill development program on digital literacy.	1,00,000	1,00,000	1,00,000	3,00,000
4.	Entrepreneurship development programmes.	50,000	1,00,000	50,000	2,00,000
SUB TOTAL		4,00,000	5,50,000	3,50,000	13,00,000
INSTITUTIONAL OVERHEADS – restricted to Rs.1,00,000/- per year					
1.	Institutional Overheads	1,00,000	1,00,000	1,00,000	3,00,000
CONTINGENCY					
1.	Contingency	10,000	45,000	45,000	1,00,000
TOTAL (A)		17,20,186	19,05,186	18,16,546	54,41,918
B. CAPITAL COMPONENT					
1.	3 HP bio waste shredding machine (01) @ Rs. 63,840/-	63,840	--	--	63,840
2.	Soil Analyzer (01) @ Rs. 63,000/-	63,000	--	--	63,000
3.	Weighing Machine (02) @ Rs. 5,800/- per unit.	11,600	--	--	11,600
4.	HDPE vermi beds with earthworms (15) @ Rs. 3,200/- per unit.	48,000	--	--	48,000
5.	20 liter anaerobic bokashi bucket (80) @ Rs. 904/- per unit. (as given in proposal)	25,334	--	--	25,334
6.	Cotton hand gloves (20) @ Rs. 53/- per unit.	1,060	--	--	1,060
7.	Garden watering cans (05) @ Rs. 239/- per unit.	1,195	--	--	1,195
8.	Deep freezer (01) @ Rs. 35,000/-	35,000	--	--	35,000
9.	Electric oven (01) @ Rs. 8,00,000/-	8,00,000	--	--	8,00,000
10.	15-20 kg chocolate cracker and winnower (01) @ Rs. 1,02,000/- (	1,02,000	--	--	1,02,000
11.	2 H.P pulverizer machine (01) @ Rs. 13,900/-	13,900	--	--	13,900



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**Dr. M. JEYANATHAN, M.E., Ph.D.**  
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 CHRIST THE KING ENGINEERING COLLEGE  
 Chikkarampalayam Village,  
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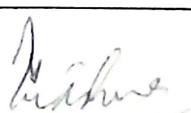
12.	10-liter coco grinders with speed controller/ Melanger (02) @ Rs. 72,000/- per unit.	1,44,000	--	--	1,44,000
13.	Grindometers / Grinding gauge (10-50 microns) (01) @ Rs. 3,800/-	3,800	--	--	3,800
14.	7-8 kg auto chocolate temperer (02) @ Rs. 98,000/- per unit.	1,96,000	--	--	1,96,000
15.	Polycarbonate choco mould in rectangle and half sphere (20) @ Rs. 900/- per unit.	18,000	--	--	18,000
16.	Moisture meter (01) @ Rs. 14,700/-	14,700	--	--	14,700
17.	Chocolate temper meter (01) @ Rs. 2,50,000/-	2,50,000	--	--	2,50,000
SUB TOTAL		17,91,429	--	--	17,91,429
CONSTRUCTION					
1.	Construction of Common Facility Centre - 412.76 sq. m @ 35,10,000/-	10,00,000 (Restricted to 10 Lakh)	--	--	10,00,000
TOTAL (B)		27,91,429	--	--	27,91,429
GRAND TOTAL (A+B)		45,11,615	19,05,186	18,16,546	82,33,347

3. The sanction of the President is also accorded to the release of Rs. 17,20,186/- (Rupees Seventeen Lakh Twenty Thousand One hundred Eighty-six Only) to Christ the King Engineering College, Onnipalayam Road, Karamadai, Coimbatore - 641 104, Tamil Nadu (a constituent college of Daughters of Mary Immaculate and Collaborators Trust). being the first installment of grant under "General Component" for implementation of the above mentioned project.

4. The Sanction is subject to the condition that the Investigators should achieve the following deliverables at the end of each year of the project.

Year	Deliverables
1 <sup>st</sup> year	<ul style="list-style-type: none"> <li>Survey and Research on the Harvesting Technology and Agriculture technology</li> <li>Fabrication/ Construction of the Common facility center</li> <li>Renovation of Training center</li> <li>Training on Three Skill development courses related to sugar industry</li> <li>Agriculture Technology development will be started</li> </ul>
2 <sup>nd</sup> year	<ul style="list-style-type: none"> <li>Sugarcane Harvesting machine will be complete and training will be started simultaneously</li> <li>Agriculture Technology development and testing will be complete and training will be completed simultaneously</li> <li>Training on developed intervention</li> </ul>
3 <sup>rd</sup> year	<ul style="list-style-type: none"> <li>Training on developed interventions</li> <li>Final manual and Report preparation</li> <li>Handing over the technologies to the beneficiaries</li> <li>Technology transfer</li> </ul>



  
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The subsequent/final installment will be released based the achievement of the said deliverables.

5. This sanction is subject to the condition that the grantee organisation will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

6. The grantee organisation will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final installment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

7. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant

8. The grant-in-aid being released is subject to the condition that

(a) a transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/Organisation under the appropriate rules of the grantee organisation while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organisation immediately on receipt of the grant:

(b) While submitting Utilization Certificate/Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.

(c) Goods (consumables/equipment) available in GeM portal are to be procured mandatorily online through GeM only.

(d) The construction/renovation work may be awarded to any Government agency/PSU OR through open competitive bidding as per Rule-173 of GFR, 2017

(e) All the procurement of Goods and Services would be done as per GFR-2017 and subsequent guidelines of DOE, Government of India

9. The grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. For Grants released during F.Y. 2017-18 and onwards, all interests and other earnings, against released Grant shall be remitted to Consolidated Fund of India (through Non-Tax Receipt Portal (NTRP), i.e., www.bharatkosh.gov.in), immediately after finalization of accounts, as it shall not be adjusted towards future release of grant. A certificate to this effect shall have to be submitted along with Statement of Expenditure/Utilization Certificate for considering subsequent release of grant/closure of project accounts.



  
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10. The grantee Institution or Organization should make reservations for Scheduled Castes and Scheduled Tribes or OBC in the posts or services under its control on the lines indicated by the Government of India if it (a) employs more than twenty persons on a regular basis and at least fifty per cent of its recurring expenditure is met from Grants-in-aid from Central Government; and (b) the body is a registered society or a co-operative institution and is in receipt of a general purpose annual Grants-in-aid of Rupees Twenty Lakh and above from the Consolidated Fund of India

11. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.

12. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organisation is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

13. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organisation in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.

14. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.

15. The NGO was registered at the NGO Darpan Portal and the Unique Id is MH/2021/0276043.


16. The investigators shall employ EAT Module in PFMS. It was also certified that PAN and AADHAR details of the Institute are available on NGO Darpan Portal.

17. The expenditure involved will be debitible to Demand No.87  
Major Head 3425 - Other Scientific Research (Major Head)  
60 - Others (Sub-Major Head)  
789 - Scheduled Castes Component  
15 - Innovation Technology Development and Deployment  
15.00.31 - Grant-in-aid (General) for the year 2020 – 2021  
(Previous: SEED-SCSP -3425.60.789.01.01.31)

18. The amount of Rs. 17,20,186/- (Rupees Seventeen Lakh Twenty Thousand One hundred Eighty-six Only) will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to Christ the King Engineering College, Onnipalayam Road, Karamadai, Coimbatore – 641 104, Tamil Nadu (a constituent college of Daughters of Mary Immaculate and Collaborators Trust). The bank details for electronic transfer of funds through RTGS are given below:

1. Name of Organization: Christ the King Engineering College
2. Name of the Bank: Union Bank of India
3. Bank Account number: 551901010050514
4. IFSC Code: UBIN0555193
5. MICR Code: 600026036



  
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19. As per Rule 234 of GFR 2017, this sanction has been entered at Sl. No. 110 in the register of grants maintained in the Division for the scheme.

20. This issues with the concurrence of IFD Vide their Concurrence Diary No. C/6368/IFD/2020-2021 dated 30/03/2021.

21. The aforesaid concurrence is subject to the stipulation that continuation beyond 31.03.2021 will be subject to appraisal and approval of the continuation of the Schemes under which this project is funded as approved by DoE's vide their O.M. No. 42(02)/PF-II/2014 dated 06.08.2020.

22. As per rule 149 of GFR, the procurement of Goods(consumables/equipment) & Services is mandatory for Goods and/or Services available on GeM and the same may be followed as far as possible.

23. It is mandatory to use EAT module in PFMS since 15.6.18, failing which no further funds shall be released.

(Konga Gopikrishna)  
Scientist - 'F'  
Tel. No. 26590298

To

The Pay and Accounts Officer  
Department of Science and Technology  
New Delhi.

Copy for information and necessary order to:

1. Cash Section (2 copies) for making the payment to the grantee.
2. Account Section.
3. Director of Audit, (Scientific Deptt.) AGCR Building, New Delhi - 110 002
4. IFD, DST, New Delhi
5. Sanction Folder
6. Head (SEED)
7. Dr. M Jeyakumar, Christ the King Engineering College, Onnipalayam Road, Karamadai, Coimbatore - 641 104, Tamil Nadu.
8. The Principal, Christ the King Engineering College, Onnipalayam Road, Karamadai, Coimbatore - 641 104, Tamil Nadu.

(Konga Gopikrishna)  
Scientist - 'F'  
Tel. No. 26590298



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