

Project Title	Principal Investigator(s)	Duration	Funding Agency	Amount (in lakhs)
Spatial distribution of Uranium and associated water quality parameters in Ground water/drinking water	Prof. S. V. Satyanarayana	2016*-2020	BRNS	26.94
Physicochemical studies of Type - I/II heterostructure assemblies for electrochemical water splitting/dye degradation applications	Dr. B. Dilip Kumar & Dr. P. Dinesh Sankar Reddy	2017-2019	IEI, R&D grant in aid, Govt, of India	0.7
Physicochemical Studies of TiO ₂ /Fe ₂ O ₃ /ZnO Heterostructure Assemblies for Electrochemical Water Splitting/Dye Degradation Applications	Dr. B. Dilip Kumar & Dr. P. Dinesh Sankar Reddy	2017-2019	UGC, Govt. of India	1.2
Development of highly stable mixed matrix membranes (MMM) for dehydration of hydrazine hydrate via Pervaporation for rocket fuel applications.	Prof. S. V. Satyanarayana	2018-2021	DST-SERB-EMR Govt, of India	32.78
Nanoparticle Enhanced Phase Change Material Microcapsules/Fibers for Advanced Energy Storage and Allied Applications”	Dr. K. Hemachandra Reddy & P. Dinesh Sankar Reddy	2018-2021	DST-SERB EMR Govt, of India	37.83

*Project was extended in the Year 2020 & sanctioned an amount of 3.9 lakh

Consultancy Projects:

Project Title	Principal Investigator(s)	Duration	Funding Agency	Amount (in lakhs)
Electrochemical techniques for heavy metal ions detection with different sensing platforms	Dr. B. Dilip Kumar	Feb 2019 – Till date.	Kanopy Techno Solutions, SIDBI incubation centre, IIT Kanpur (UP), INDIA	2.12
Electrochemical Techniques for detection and removal of Pharmaceuticals in waste waters with	Dr. B. Dilip Kumar	Dec 2022 -Till date	Meditronix Labs Pvt. Ltd., Kanpur	10.22

different Sensing Platforms heavy metal ions detection with different sensing platforms				
Removal of Pollutants from Municipal waste water by Electrocoagulation	Mr. M. Kalyan Kumar	Nov 2022- Till date	JNTUA, Anantapur	01

The faculty are involved in solving the solutions of industrial problems on consultancy basis without any remuneration. The following are the faculty involved in interaction with industries.

S. No.	Name of the Faculty	Industry Visited
1	Prof. S. V. Satya Narayana	1. Siflon Drugs, Anantapur. (On part of Expert committee member appointed by APPCB) 2. Vinay Organics, Vunjamur
2	Dr. B. Dilip Kumar	1. Rahul Barium Pvt.Ltd, Hindupur. 2. Nava Bharat Ventures limited Paloncha, Vijayawada. 3. Amara raja batteries, Chittoor.
3.	Mr. M. Kalyan Kumar	1. Siflon Drugs, Anantapur Trouble shooting of Single effect Evaporator



Government of India
Department of Atomic Energy
Board of Research in Nuclear Sciences

BRNS Secretariat, 316-C, 3rd Floor,
CFB, BARC, Mumbai-400 085

Programme Officer (WWM), BRNS

No. 36(4)/14/19/2015-BRNS/36060

Date: July 13, 2020

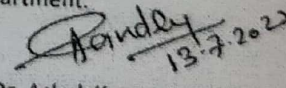
OFFICE MEMORANDUM

Sub: **Extension with grant for the year 2020-2021 R/P entitled "Spatial distribution of uranium and associated water quality parameters in groundwater/drinking water" under Dr. S.V. Satyanarayana, Department of Chemical Engineering, JNTUA College of Engineering (Autonomous), Anantapur-515 002, A.P. bearing sanction 36(4)/14/19/2015-BRNS with WWM, BRNS.**

This is issued with the concurrence of the competent authority in the Department in continuation of this Department's Office Memorandum of even number dated 21/12/2018, on the recommendations of Board of Research in Nuclear Sciences (BRNS), I am pleased to convey the administrative approval of the President of India for the extension of captioned project upto 30/11/2020 and sanction to incur an expenditure of Rs. 3,99,900/- (Rupees Three Lakhs Ninety-nine thousand Nine Hundred only) as detailed below.

Item of expenditure	(In Rupees)
Staff Salary upto 31.03.2020	Amount
Overheads	3,72,000/-
Total	27,900/-
	3,99,900/-

2. Accordingly, the project will get terminated on 30/11/2020.
3. The grant remaining unspent under the Heads "Equipment" and "Overheads" for the year 2019-2020 are only allowed to be carried forward to the current financial year 2020-2021.
4. Unspent balance under Consumable Head & Technical Assistance head is allowed to utilize for Field sampling under Technical assistance head from the previous year to the current financial year i.e. 2020-2021.
5. The expenditure involved is debit to: 04 3401 00 004 27 02 31.
6. The other Terms and Conditions of the sanction letter dated 21/12/2018 will remain unchanged.
7. This issues with the concurrence of Competent Authority in the Department.


13.7.2020
(Dr. Ashok Kumar Pandey)
Program Officer

Pay & Accounts Officer, DAE, Mumbai 400001.

Copy forwarded to:

1. Principal, JNTUA College of Engineering (Autonomous), Anantapur-515 002, A.P.
2. Principal Investigator(PI): Dr. S.V. Satyanarayana, Department of Chemical Engineering, JNTUA College of Engineering (Autonomous), Anantapur-515 002, A.P.
3. AAO (Cheque), DAE, Anushakti Bhavan, CSM Marg, Mumbai - 400 001
4. Member Secretary CDP-6 : WWM: Dr. A K Ghosh, SO/G, MDS, BARC, Trombay, Mumbai - 400 085.
5. Co-Investigator (CI): Dr. G. V. Subba reddy, Department of Chemistry, JNTUA College of Engineering (Autonomous), Anantapur-515 002, A.P.
6. Departmental Co-ordinator(DC)/PC: 1. Dr. A. Vinod Kumar, Head, EMAD, BARC-400 085.
2. Co-PC: Shri B.K. Rana, ESL, HPD, Tummalapalle



Please Distribute to the 7000 series as Marked(=)



Government of India
Department of Atomic Energy (DAE)
Board of Research in Nuclear Sciences (BRNS)

Dr. Debanik Roy
Programme Officer (NRFCC)

BRNS Secretariat, 1st Floor,
CC, BARC, Trombay,
Mumbai-400085
Phone: +91-2225593946
Fax: 2225593946
Email: deroy@barc.gov.in

14 MAY 2016

10068-

No: 36(4)/14/19/2015-BRNS/

Date: 28/03/2016

OFFICE MEMORANDUM

Sub: R/P entitled "Spatial distribution of uranium and associated water quality parameters in groundwater /drinking water" under Dr. S.V. Satyanarayana, Department of Chemical Engineering, JNTUA College of Engineering, Anantapur, A.P.-515 002 bearing sanction 36(4)/14/19/2015-BRNS with NRFCC, BRNS.

On the recommendations of the Board of Research in Nuclear Sciences (BRNS), I am directed to convey the administrative approval and sanction of the President of India for the captioned project for the 2 years beginning from financial year 2015-2016 with a total grant of Rs. 26,94,300/- (Rupees twenty six lakh ninety four thousand three hundred only) for the project as under :

Item of expenditure	Year 1	Year 2
	(2015-2016)	(2016-2017)
Equipments	1050000	0
Staff Salary - JRF	300000	300000
Technical Assistance	96000	96000
Consumables	80000	80000
Travel - PI	140000	140000
Contingencies	35000	35000
Overheads	124950	46200
Total(INR)	1825950	597200

Note: *

JRF salary calculated @25,000/- p.m. for first two years and on redesignation by committee on in third year as SRF @ 28,000/- p.m. RA salary calculated @ 36,000/- p.m.

Overheads calculated @ 7.5% of the other heads except contingency. The remaining 7.5% towards overheads (Rs. 1,71,150/-) shall be released only on meeting the requirements specified (See Annex-B).

- I am also directed to convey the sanction of the President of India to incur an expenditure of Rs. 18,25,950/-
- towards grant for the year 2015-2016 .
- The expenditure involved is debitable to: 04 3401 00 004 08 0231
- This issues with the concurrence of Scientific Secretary, BRNS and IFA.

Dr. Debanik Roy

Pay & Accounts Officer, DAE, Mumbai-400 001.

Copy forwarded to:

- Director of Audit, Scientific Department, AEAP, OYC, CSM Marg, Mumbai-400 001.



2. Joint Secretary (R&D), DAE, Anushakti Bhavan, CSM Marg, Mumbai-400 001.
3. Registrar, Department of Chemical Engineering, JNTUA College of Engineering, Anantapur, A.P..
4. Principal Investigator(PI): Dr. S.V. Satyanarayana, Department of Chemical Engineering, JNTUA College of Engineering, Anantapur, A.P- 515 002.

A. First year grant is being released in full along with this Sanction Letter through Pay & Accounts Officer, Department of Atomic Energy, Anushakti Bhavan, CSM Marg, Mumbai-400 001 directly. You may await a Money transfer (MT) through ECS and The amount would be credited electronically to A/C No: , A/C Name: , IFSC: , .

i) Acceptance of this sanction and the MT for the amount sanctioned for the first financial year may please be acknowledged (Form-I).

ii) THIS SANCTION IS FURTHER SUBJECT TO THE CONDITIONS STIPULATED IN ANNEX (ENCLOSED), WHICH MAY BE GONE THROUGH CAREFULLY.

B. Second year Sanction Letter will be issued automatically in the month of April/May of the 2nd financial year, however, the grant will be released (unspent balance of previous year and Interest earned will be adjusted) after the PI submits the following documents to the Programme Officer NRFCC:

a) Claim in Form-II quoting the reference of the sanction issued for the first year.

b) Utilisation Certificate (UC) as on 31st March of the preceding financial year in Form-III duly audited by the Internal Auditor of the University/ Institution or a Chartered Accountant.

c) Statement of Accounts (SA) as on 31st March of the preceding financial year should be updated on the website. Interest earned in previous year should be reflected in the Statement of Accounts. A printout of the same should be sent to BRNS after it is duly audited by the Internal Auditor of the University/ Institution or a Chartered Accountant.

d) Copy of appointment order and joining report of the staff appointed for the project along with minutes of the Selection Committee, should be uploaded in a single pdf file under the file head "Staff Appointment Details". In addition, the details of the appointed staff should also be updated in the available menu.

e) The inventory of equipment also should be updated in the menu, besides uploading the purchase order of the items costing more than 1 Lakh.

f) A One Page report on the progress of work during first year.

C. Third and subsequent years (if any) the Sanction Letter and the grant will be released on fulfillment of the following requirements:

i) Renewal/ Extension Application: Principal Investigator (PI) is required to upload by January 15 a pdf copy of duly signed renewal/ extension application in the prescribed form-(PRA) after logging into his/her account at www.daebrms.gov.in. All applications received shall be examined by experts from the field and PIs may be invited to a Technical Programme Discussion Meeting (TPDM). Renewal of the project will be based on the recommendations of the TPDM, Advisory Committee and the Board.

ii) Sanction Letter: If the progress is found to be satisfactory the renewal sanction for the year will be issued in the beginning of that financial year in April/May.

iii) Claim: On receipt of the renewal sanction, the PI shall claim the funds sanctioned by submitting the following documents to Programme Officer NRFCC, BRNS Secretariat, First Floor, Central Complex, BARC, Trombay, Mumbai-400 085:

a) Claim in Form-II quoting reference of the renewal sanction.

b) Utilisation Certificate (UC) as on 31st March of the preceding financial year in Form-III duly audited by the Internal Auditor of the University/ Institution or a Chartered Accountant. should be reflected in the Statement of Accounts.

c) Statement of Accounts (SA) as on 31st March of the preceding financial year including the amount of Interest earned in previous year and duly audited by the Internal Auditor of the University/ Institution or a Chartered Accountant.

d) Copy of appointment order and joining report of the staff appointed for the project along with minutes of the Selection Committee.

e) An inventory of equipment and the copy of Purchase order of equipments costing more than 1 Lakh.

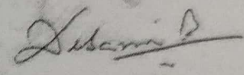
D. At the end of Terminal Year the Settlement Grant and the Balance 7.5% Overheads will be released on fulfillment of the following requirements:

a) Claim Form-II if any,

b) The final Consolidated Statement of Accounts and Consolidated Utilization Certificate duly audited by a Chartered Accountant or the Statutory (Govt.) Auditor.

c) Final Consolidated Progress Report and a brief report as per format given in Form-VII.

5. AAO (Bills II), DAE, Anushakti Bhavan, CSM Marg, Mumbai - 400 001 – With a request that the amount granted for the first year of the project may be released.
 6. Member Secretary (NRFCC) : Dr. Vivekanand Kain, MSD, BARC, Mumbai- 400 085.
 7. Co-Investigator (CI) :Dr. G.V. Subba Reddy, Professor & Head, Department of Chemistry, JNTUA, College of Engineering, MUddanur Road, Pulivendula, Y/sr, Kadapa, A.P.- 516 390
 9. Project Collaborator (PC): 1. Dr. A. Vinod Kumar, RSSD, BARC-400 085.
Co-PC : Shri B.K. Rana, ESL, HPD, Tummalapalle
Member Secretary, TSC-4, NRFCC: Dr. A. Vinod Kumar, RSSD, BARC-85
- You or your nominee may please be the DAE representative for selection of Research Fellow/ Research Associate for the project.



Dr. Debanik Roy

Note:

1. Please quote the Sanction Number 36(4)/14/19/2015-BRNS in all your correspondence with BRNS.
2. All the forms mentioned in the sanction letter and the terms & conditions are also available on the website. Kindly update Statement of Accounts, details of Equipment and staff in the menu available on the leftside when view application is clicked. The renewal/extension forms and scanned copy of duly signed financial documents (SA, UC & claim) also needs to be uploaded to get grant for subsequent years. Kindly verify that the data given in your profile is correct.



सत्यमेव जयते

Government of India
Department of Atomic Energy (DAE)
Board of Research in Nuclear Sciences (BRNS)

Shri Dhananjay G Parulekar
Programme Officer (NRFCC)

BRNS Secretariat, 1st Floor, CC,
BARC, Trombay, Mumbai-400085,
Phone: 25591140 FAX: 022-25505151,
E-mail: pdhag@barc.gov.in

No: 36(4)/14/19/2015-BRNS/36253

Date: 21/12/2018

Office Memorandum

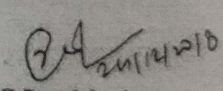
Sub: R/P entitled "Spatial distribution of uranium and associated water quality parameters in groundwater /drinking water under Dr. S.V. Satyanarayana, Department of Chemical Engineering,, JNTUA College of Engineering (Autonomous), Anantapur-515 002, A.P., bearing sanction 36(4)/14/19/2015-BRNS with NRFCC, BRNS

In continuation of this Department's financial sanction letter of even number dated 17/04/2017 on the recommendations of Board of Research in Nuclear Sciences (BRNS), I am pleased to convey the sanction of the President of India to the expenditure of Rs.1,20,000/- (Rupees One Lakh Twenty Thousand only) towards payment of House Rent Allowance to 1 JRFs appointed under the above cited research project as detailed below:

Name of the Staff	Period*	Amount
Dasari Manjunath	24 months @ 20%	Rs. 1,20,000/-
	Total	Rs. 1,20,000/-

*- HRA for JRF is allowed for maximum two years.

1. The expenditure involved is debitable to: 04 3401 00 004 27 02 31.
2. This issues with the concurrence of Competent Authority in the Department.


(Dhananjay G Parulekar)

Pay & Accounts Officer, DAE,
CSM Marg,
Mumbai - 400 001.

Copy forwarded to:

1. Principal, JNTUA College of Engineering (Autonomous), Anantapur-515 002, A.P..
2. Dr. S.V. Satyanarayana, Department of Chemical Engineering,, JNTUA College of Engineering (Autonomous), Anantapur-515 002, A.P..
3. Assistant Accounts Officer, Cheque, DAE





Government of India
Department of Atomic Energy
Board of Research in Nuclear Sciences

BRNS Secretariat, 316-C, 3rd Floor,
CFB, BARC, Mumbai-400 085

Programme Officer (WWM), BRNS

No. 36(4)/14/19/2015-BRNS/36060

Date: July 13, 2020

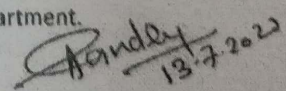
OFFICE MEMORANDUM

Sub: **Extension with grant** for the year 2020-2021 R/P entitled "Spatial distribution of uranium and associated water quality parameters in groundwater/drinking wat" under Dr. S.V. Satyanarayana, Department of Chemical Engineering, JNTUA College of Engineering (Autonomous), Anantapur-515 002, A.P. bearing sanction 36(4)/14/19/2015-BRNS with WWM, BRNS.

This is issued with the concurrence of the competent authority in the Department in continuation of this Department's Office Memorandum of even number dated 21/12/2018, on the recommendations of Board of Research in Nuclear Sciences (BRNS), I am pleased to convey the administrative approval of the President of India for the extension of captioned project upto 30/11/2020 and sanction to incur an expenditure of Rs. 3,99,900/- (Rupees Three Lakhs Ninety-nine thousand Nine Hundred only) as detailed below.

Item of expenditure	Amount (In Rupees)
Staff Salary upto 31.03.2020	3,72,000/-
Overheads	27,900/-
Total	3,99,900/-

2. Accordingly, the project will get terminated on 30/11/2020.
3. The grant remaining unspent under the Heads "Equipment" and "Overheads" for the year 2019-2020 are only allowed to be carried forward to the current financial year 2020-2021.
4. Unspent balance under Consumable Head & Technical Assistance head is allowed to utilize for Field sampling under Technical assistance head from the previous year to the current financial year i.e. 2020-2021.
5. The expenditure involved is debit to: 04 3401 00 004 27 02 31.
6. The other Terms and Conditions of the sanction letter dated 21/12/2018 will remain unchanged.
7. This issues with the concurrence of Competent Authority in the Department.


(Dr. Ashok Kumar Pandey)
Program Officer

Pay & Accounts Officer, DAE, Mumbai 400001.

Copy forwarded to:

1. Principal, JNTUA College of Engineering (Autonomous), Anantapur-515 002, A.P.
2. Principal Investigator(PI): Dr. S.V. Satyanarayana, Department of Chemical Engineering, JNTUA College of Engineering (Autonomous), Anantapur-515 002, A.P.
3. AAO (Cheque), DAE, Anushakti Bhavan, CSM Marg, Mumbai - 400 001
4. Member Secretary CDP-6 : WWM: Dr. A K Ghosh, SO/G, MDS, BARC, Trombay, Mumbai - 400 085.
5. Co-Investigator (CI): Dr. G. V. Subba reddy, Department of Chemistry, JNTUA College of Engineering (Autonomous), Anantapur-515 002, A.P.
6. Departmental Co-ordinator(DC)/PC: 1. Dr. A. Vinod Kumar, Head, EMAD, BARC-400 085.
2. Co-PC: Shri B.K. Rana, ESL, HPD, Tummalapalle



The Institution of Engineers (India)

AN ISO 9001 : 2008 CERTIFIED ORGANISATION
(ESTABLISHED 1920, INCORPORATED BY ROYAL CHARTER 1935)
8 GOKHALE ROAD, KOLKATA - 700 020



"97 Years of Relentless Journey towards
Engineering Advancement for Nation-building"

DR B. S. Reddy
K. S. Reddy
S. S. Reddy
S. S. Reddy

Ref: R.5/2/PG/16-17/PG2017012

Date: 12 April 2017

Principal/ Director
JNTU COLLEGE OF ENGINEERING, ANANTAPURAMU
Sir Mokshagundam Visweswarayya Road
Anantapuramu - 515002, Andhra Pradesh

Dear Sir/ Madam,

REF: PROJECT I.D. PG2017012

Sub: Release of IEI Grant for R&D Project entitled: "PHYSICO-CHEMICAL STUDIES OF TYPE - I/II HETEROSTRUCTURE ASSEMBLIES FOR ELECTROCHEMICAL WATER SPLITTING/DYE DEGRADATION APPLICATIONS"

This has reference to our email regarding sanction of R&D Grant of IEI for the subject project. Kindly note, that Project ID no. PG2017012 has been assigned to your project. Please note that all your future correspondence should bear that ID.

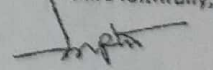
As informed, enclosed please find herewith a cheque no. 794920 dated 24-02-2017 for Rs. 70000/- in favour of THE PRINCIPAL DEVELOPMENT FEE ACCOUNT, drawn on Axis Bank Ltd., Kolkata payable at par at all its branches in India as grant for the R&D project as mentioned above.

Please note that the Terms & Conditions of the Grant (Copy enclosed) should be strictly followed. On successful completion of the project, the following documents are to be furnished: (1) Soft copy of the Project Report, (2) Soft copy of the Project Completion Report, (3) Hardcopies of the Utilization Certificates in duplicate and (4) Soft copy of the filled-in R&D Compendium pro-forma. The submission will be treated as successful and complete only on receipt of the above documents.

Kindly acknowledge receipt of the cheque at the email id research@ieindia.org.

Thanking you.

Yours faithfully,


(N Sengupta)
Director (Technical)
For Secretary & Director General

Encl: (i) Cheque (ii) Terms & Conditions

Cc: Guide: Dr. B. Dilip Kumar, Dr. P. Dinesh Sankar Reddy

a. Percentage of work completed: 100%

b. Amount utilized till date: 70,000/-

12. How much work is yet to be completed with the reason of delay:

a. Work yet to be completed with details: --NA--

b. Reason for delay:--NA--

13. Probable date of completion of the project:----Already completed---

14. Amount of matching grant: 1,20,000/-

a) Name and address of the organization: Innovative Research Project Scheme,
UGC- XII Plan, Govt. of India

b) Date of receipt: 06-12-2017

c) Amount received: 1,20,000/-

d) Amount utilized till date: 1,20,000/-

15. Name of the organizations providing support to the project:


a. Name of the organization: UGC- XII Plan, Govt. of India

b. Nature of support e.g. financial, technical and infrastructural: Infrastructural

c. Support yet to be received: No

16. Project Achievements in brief:

This project is aimed to synthesize and fabricate Type-I/II Heterostructure assemblies for dye degradation and water splitting studies. We have chosen TiO_2 , Fe_2O_3 , ZnO semiconductor nanoparticles to fabricate Type-I/II Heterostructure assemblies. We successfully synthesized and fabricated the electrodes on Titania (Ti) substrate and carried out different electrochemical measurements for crystal violet dye and water splitting studies. The experimental results reveals that Heterostructure assemblies perform better than individual electrode assemblies for both applications. The project work resulted in Two International Journal Publications (*Ira. J. Chem. Chem. Engg*, 39, 169-177, 2020, & *J. Inst. Engrs-Series E*, 100 (2), 189-198), and Seven National Conference Proceedings. Further Two articles are under review for publication. The outcomes of this project work not only helps us to understand the molecular mechanism of Heterostructure assemblies for degradation of complex dyes but also fetch in direction of design of low cost Heterostructure assemblies for various catalytic, photocatalytic and photo-electrochemical applications. It is worth to mention that one full time Research Scholar (PhD) was working on the extension part of this innovative project work.


Deputy Controller of Examinations
J.N.U.A. College of Engineering
MANTHANURAMU 515 002

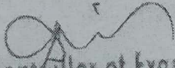
17. Expected beneficiaries of the project:

Dye degradation is a hot topic of research in present day scenario as it is essential to protect our environment from toxic dyes. Further, stringent rules posed by government paves path towards developing low cost materials which can remove dyes from industrial effluents before they let into water bodies. Therefore, the main beneficiaries in this project are

1. Textile Industries
2. Leather Industries
3. Tanning Industries
4. Rubber Industries
5. Paint Industries
6. Pulp & Paper Industries
7. Electrochemical Industries such as Batteries, Super capacitors etc.,

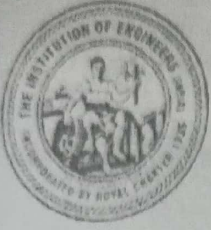
18. Any other information to be furnished regarding progress of project:

Enclosed all relevant documents (reprints of publications) resulted from this project.


Deputy Controller of Examinations
J.N.T.U.A. College of Engineering
ANANTHAPURAMU-515 002

Continued...





The Institution of Engineers (India)

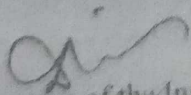
Technical Department
R&D Grant-In-Aid Scheme

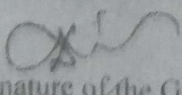
PROJECT ID: PG2017012

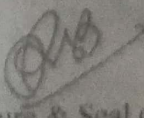
CERTIFICATE

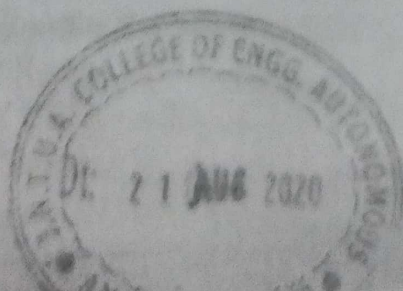
Certified that

1. The above Progress report is correctly and duly audited: YES
2. The necessary infrastructure is available for completion of the project by due date: YES
3. The balance amount is readily available for completion of the project by the due date: YES
4. Interim technical report on the project has been enclosed: YES
5. The project will be completed by the due date: YES


Signature of the Investigator
20/8/2020


Signature of the Guide
20/8/2020


Signature & Seal of the Director/Principal
PRINCIPAL
I.R.T.U.A. College of Engineering
(Autonomous)
ANANTHAPURAMU-515 002
A.P. INDIA.





3554-272437
08554-272437
Mobile: 9908088806
Email: registrar@jntua.ac.in

ARIS
d
Sudhakar

PROCEEDINGS OF THE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
(Established by Govt. of A.P., ACT No.30 of 2008)
ANANTHAPURAMU - 515 002 (A.P) INDIA

Date: 06.12.2016

Proc.No.AI/UGC XII Plan/2016-17

- Sub: JNTUA, Ananthapuramu - R & D - Innovative Research Programme
Proposals - Sanction of funds under UGC XII Plan - Orders - Issued.
Read: 1. Application of Dr.B.Dilip Kumar, Asst.Prof. in Chemical Engg.,
JNTUA, CEA.
2. Note orders of the Vice-Chancellor dt.05.12.2016.

ORDER:

With reference to the letter cited (1) above, Dr.B.Dilip Kumar, Asst. Prof. of Chemical Engineering, JNTUA College of Engineering, Ananthapuramu as Principal Investigator and Dr.P.Dinesh Shankar Reddy, Assoc. Prof. of Chemical Engg., as Co-investigator have applied for Innovative Research Project titled. "Physicochemical Studies of $TiO_2/Fe_2O_3/ZnO$ Heterostructure Assemblies for Electrochemical Water Splitting/Dye Degradation Application" under UGC XII Plan (Innovative Research Grant). Accordingly the Hon'ble Vice-Chancellor constituted a Committee to examine the allocation of funds for Innovative Research Programme proposals under UGC XII Plan.

Based on the recommendations of the Committee the Hon'ble Vice-Chancellor is sanction the funds Rs.1,20,000/- (Rupees one lakh and twenty thousand only) to Dr.B.Dilip Kumar, Asst.Prof. of Chemical Engineering, JNTUA College of Engineering, Ananthapuramu as Principal Investigator & Dr.P.Dinesh Shankar Reddy, as Co-investigator as shown in the Annexure.

The above said grant will be issued at the beginning of the project to Dr.B.Dilip Kumar, Asst.Prof. of Chemical Engg., JNTUA- CEA. The Project Investigator to submit the utilization certificate along with project report before 31st March, 2017.

The above expenditure may be met from the Innovative Research Projects under UGC XII Plan R & D Funds of the University.

For REGISTRAR

Encl: Annexure

- To
Dr.B.Dilip Kumar, Principal Investigator through the Principal, JNTUA CE, Ananthapuramu
Copy to Dr.P.Dinesh Shankar Reddy, Co-investigator through the Principal, JNTUA-CEA
Copy to the Principal, JNTUA CE, Ananthapuramu
Copy to PA to V.C., Rector, Registrar
Copy to DR (Acct.) & D.R (Estt.), JNTUA, Ananthapuramu
Copy to file

(P.T.O)



Science and Engineering Research Board
(Statutory Body Established Through an Act of Parliament : SERB Act 2001)
Department of Science and Technology, Government of India
FILE NO. EMR/2017/002355

SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

(a statutory body of the Department of Science & Technology, government of India)

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 26-Nov-2018

ORDER

Subject: Financial Sanction of the research project titled "Synthesis of Nanozeolites and Development of Highly Stable Mixed Matrix Membranes (MMM) for Dehydration of Hydrazine Hydrate via Pervaporation " under the guidance of Prof. Satyanarayana Venkata Suggala, Chemical Engineering, Jawaharlal Nehru Technological University , Off anantapur bangalore road, Anantapur, Andhra pradesh-515002 and by Dr. Puchalapalli DineshSankar Reddy, Associate Professor, Chemical Engineering, Jawaharlal Nehru Technological University and by Dr. Dilip Kumar Behera, Assistant Professor, Chemical Engineering, Jawaharlal Nehru Technological University - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 3278880/- (Rs. Thirty Two Lakh Seventy Eight Thousand Eight Hundred and Eighty Only) with break-up of Rs. 1400000/- under Capital (Non-recurring) head and Rs.1878880/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 3278880/- has been approved are given below:

The following budget may be considered for Jawaharlal Nehru Technological University, Off Anantapur Bangalore Road

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment	1400000
	-> Stainless steel Pervaporation Endurance unit	
	-> Oil bath with necessary parts	
	-> Vacuum Controllers	
	-> Temperature controllers	
	-> Rotary Evaporator	
	-> Dispersion equipment	
	-> Teflon lined stainless steel autoclave	
	-> Vacuum Furnace	

10. The release amount of Rs. 2026293/- (Rupees Twenty Lakh Twenty Six Thousand Two Hundred and Ninety Three only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name Development Fee Account, Principal, JNTUACEA
Account Number 10428782192
Bank Name & Branch State Bank of India The Manager, State Bank of India, GEC JNTUEC Branch, Ananthapuramu - 515002
IFSC/RTGS Code SBIN0002723
Email id of A/C Holder principal.cea@jntua.ac.in
Email id of PI svsatya7@gmail.com

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

13. The project File no. EMR/2017/002355 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project

15. As this is the first grant being released for the project, no previous U/C is required.

16. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

17. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

18. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.

(Dr. Pravakar Mohanty)



Scientist

ms_ce@serbonline.in

To,

Under Secretary

SERB, New Delhi

Copy forwarded for information and necessary action to: -

1. The Principal Director of Audit, A.G.C.R Building, IIIrd Floor I.P. Estate, Delhi-110002
 2. Sanction Folder, SERB, New Delhi
 3. File Copy
 4. Prof. Satyanarayana Venkata Suggala
Chemical Engineering
Jawaharlal Nehru Technological University, Off anantapur
bangalore road, Anantapur, Andhra pradesh-515002
Email: svsatya7@gmail.com
Mobile: 919849509167
Dr. Puchalapalli DineshSankar Reddy
Chemical Engineering
Jawaharlal Nehru Technological University
Dr. Dilip Kumar Behera
Chemical Engineering
Jawaharlal Nehru Technological University
- (Start date of the project may be intimated by name to the undersigned
For guidance, terms & Conditions etc. Please visit www.serb.gov.in)
5. The Principal,
Jawaharlal Nehru Technological University, Off Anantapur
Bangalore Road(Receipt of Grant may be intimated by name to the
undersigned)

(Dr. Pravakar Mohanty)

Scientist

ms_ce@serbonline.in



	-> Magnetic Heating Plates	
	-> Circulating bath	
	-> Ultrasonic Cleaning Equipment	
	-> Double stage Vacuum pump	
	-> Thin Film Coater (Vacuum)	
A'	Total (Non-Recurring)	1400000
B	Recurring Items	
1	Recurring - I : (Manpower)	936000
	Recurring - II : (Consumables, Travel, Contingencies)	700000
2	Recurring - III : (Overhead Charges)	242880
B'	Total (Recurring)	1878880
C	Total cost of the project (A' + B')	3278880

2. Sanction of the SERB is also accorded to the payment of Rs. 1400000/- (Rupees Fourteen Lakh only) under 'Grants for creation of capital assets' and Rs. 626293/- (Rupees Six Lakh Twenty Six Thousand Two Hundred and Ninety Three only) under 'Grants-in-aid General' to The Principal, Jawaharlal Nehru Technological University, Off Anantapur Bangalore Road being the first installment of the grant for the year 2018-2019 for implementation of the said research project

3. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER)

This release is being made under Core Research Grant. (PAC Chemical and Environmental Engineering)

4. The Sanction has been issued to Jawaharlal Nehru Technological University, Off Anantapur Bangalore Road with the approval of the competent authority under delegated powers on 26 October, 2018 and vide Diary No. SERB/F/8868/2018-2019 dated 01 November, 2018

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

8. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

9. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
COLLEGE OF ENGINEERING(Autonomous):ANANTHAPURAMU
PROCEEDINGS OF THE PRINCIPAL
PRESENT: Dr. K. GOVINDARAJULU

Procs.No.C1/Estt./JNTUACEA/2019

Dated: 29-10-2019

Sub: JNTUACEA - Estt. - Appointment of Principal Investigator for the SERB
Project - Orders - Issued.

Ref: Note Orders Issued by the Principal, dated: 29-10-2019.

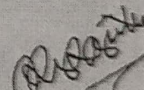
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ORDER:

The following posting orders are issued on Administrative grounds.

The Principal is pleased to appoint Dr. B. Dilip Kumar, Assistant Professor in Chemi Engineering Department of this college as Principal Investigator for the SERB Project in pl of Dr. P. Dinesh Sankar Reddy, Associate Professor in Chemical Engineering Department v is on deputation to National Institute of Technology, Tadepalli Gudem, Andhra Pradesh ; further Co-Principal Investigator Prof. K. Hemachandra Reddy, is on deputation as Chairm A. P. State Council of Higher Education.

This order shall come into force with immediate effect untill further orders.


PRINCIPAL

To

Sri. B. Dilip Kumar, Asst. Professor. in Chemical Engg., Dept., thro' HOD

Sri. P. Dinesh Sankar Reddy, Assoc. Prof. in Chemical Engg. Dept. thro' HOD

Copy to SERB Director

Copy to all Heads of the Dept., for information

Copy to OAS & Vice-Principal for information

Copy to Principal's peshi for information

Copy to D.R for information,

Dated: 02-Nov-2018

ORDER

Subject: Financial Sanction of the research project titled "Nanoparticle Enhanced Phase Change Material Microcapsules/Fibers for Advanced Energy Storage and Allied Applications" under the guidance of Dr. Puchalapalli DineshSankar Reddy, Chemical Engineering, Jawaharlal Nehru Technological University, Off Anantapur Bangalore road, Anantapur, Andhra Pradesh-515002 and by Dr. Hemachandra Reddy K, Professor, Mechanical, Jawaharlal Nehru Technological University - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 3035880/- (Rs. Thirty Lakh Thirty Five Thousand Eight Hundred and Eighty Only) with break-up of Rs. 1200000/- under Capital (Non-recurring) head and Rs. 1835880/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 3035880/- has been approved are given below:
The following budget may be considered for Jawaharlal Nehru Technological University, Off Anantapur Bangalore Road

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Multi Point Temperature Indicator -> Ultrasonic probe Sonicator -> Experimental setup for charging and discharging -> Dual pump nanofiber electrospinning unit -> Viscometer -> RTD Thermocouples -> Heat Exchanger -> Magnetic Stirrer with Heating Plate -> Constant Temperature bath	1200000
A'	Total (Non-Recurring)	1200000
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies)	936000 675000
2	Recurring - III : (Overhead Charges)	224880
B'	Total (Recurring)	1835880
C	Total cost of the project (A' + B')	3035880

- Sanction of the SERB is also accorded to the payment of Rs. 1200000/- (Rupees Twelve Lakh only) under 'Grants for creation of capital assets' and Rs. 611960/- (Rupees Six Lakh Eleven Thousand Nine Hundred and Sixty only) under 'Grants-in-aid General' to Principal, Jawaharlal Nehru Technological University, Off Anantapur Bangalore Road being the first installment of the grant for the year 2018-2019 for implementation of the said research project.
- The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant. (PAC Chemical and Environmental Engineering)
- The Sanction has been issued to Jawaharlal Nehru Technological University, Off Anantapur Bangalore Road with the approval of the competent authority under delegated powers on 26 October, 2018 and vide Diary No. SERB/F/8867/2018-2019 dated 01 November, 2018
- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).
- Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.
- While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
- As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.
- The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

10. The release amount of Rs. 1811960/- (Rupees Eighteen Lakh Eleven Thousand Nine Hundred and Sixty only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	Development Fee Account, Principal, JNTUACEA
Account Number	10428782192
Bank Name & Branch	State Bank of India The Manager, State Bank of India, GEC JNTUEC Branch, Ananthapuramu - 515002
IFSC/RTGS Code	SBIN0002723
Email id of A/C Holder	principal.cea@jntua.ac.in
Email id of PI	pdsreddy@gmail.com

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

13. The project File no. EMR/2017/003336 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

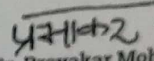
14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project

15. As this is the first grant being released for the project, no previous U/C is required.

16. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

17. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

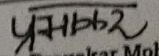
18. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.


(Dr. Pravakar Mohanty)
Scientist
ms_ce@serbonline.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -
The Principal Director of Audit, A.G.C.R. Building, 11th Floor I.P. Estate, Delhi-110002

1.	The Principal Director of Audit, A.G.C.R. Building, 11th Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Puchalapalli DineshSankar Reddy Chemical Engineering Jawaharlal Nehru Technological University, Off anantapur bangalore road, Anantapur, Andhra pradesh-515002 Email: pdsreddy@gmail.com Mobile: 919491461980 Dr. Hemachandra Reddy K Mechanical Jawaharlal Nehru Technological University (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	Principal, Jawaharlal Nehru Technological University, Off Anantapur Bangalore Road (Receipt of Grant may be intimated by name to the undersigned)


(Dr. Pravakar Mohanty)
Scientist
ms_ce@serbonline.in



Kanopy Techno Solutions Pvt Ltd

Simplifying Research ...

Correspondence Address:
Solar Hydrogen Generation & Storage Lab,
Solar Energy Enclave (Near Hall-11)
IIT Kanpur, Kanpur - 208016
Uttar Pradesh, India
Mobile: +91 8604355668, +91 8004567307
Email: contact@kanopytech.com

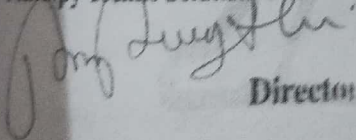
Registered Address:
325, Baba Nagar Naubasta,
Kanpur - 208021
Uttar Pradesh, India.
Website: www.kanopytech.com

Date: January 17, 2019

TO WHOM SO EVER IT MAY CONCERN

This is to certify that, Dr. Dilip Kumar Behara, Assistant Professor, Department of Chemical Engineering, JNTUA College of Engineering, Anantapuramu (AP) has been appointed as "Research Consultant" for "Electrochemical techniques for heavy metal ions detection with different sensing platforms" of our project (Project cost Rs 2,12,000/-) at Research & Development center of Kanopy Techno Solution Pvt. Ltd., Kanpur. He has specially consulted in electrochemical sensing measurements, analysis and testing with related apparatus. The duration of his appointment is ~2 years (February 1, 2019 to December 31, 2020) and we are also pleased to certify that the above project is under progress.

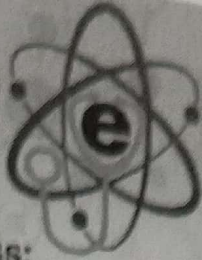
For Kanopy Techno Solutions
Kanopy Techno Solutions Pvt. Ltd.


Director



Anuj Awasthi
Director

MedeTronix Labs Pvt. Ltd.



Corporate Address:
404, 4th floor, TechnoPark,
Aerosol Building,
IIT Kanpur, Kanpur - 208016

Atomizing Medical Diagnostics ...

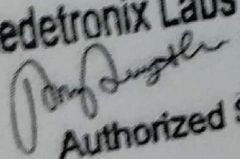
Email: contact@dtechsolutions.co
Website: www.dtechsolutions.co
Contact: +91 7985366027
GSTIN: 09BKSPA3635C1ZA

Date: November 10, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, Dr. Dilip Kumar Behara, Associate Professor, Department of Chemical Engineering, JNTUA College of Engineering, Anantapuramu (AP) has been allotted as "Research Consultant" for "Electrochemical techniques for detection and removal of pharmaceuticals in waste waters with different sensing platforms" of our project (Project cost Rs 10,22,000/-) at Research & Development center of Medetronix Labs Pvt. Ltd., Kanpur. He has specially consulted in electrochemical sensing measurements, analysis and testing with related apparatus. The duration of his appointment is ~2 years (December 1, 2022 to December 31, 2024) and we are also pleased to certify that the above project is under progress.

For Medetronix Labs

Medetronix Labs Pvt.Ltd.

Authorized Signatory

Anuj Awasthi
Director



MedeTronix Labs Pvt. Ltd.

Atomizing Medical Diagnostics ...

Corporate Address:
404, 4th floor, TechnoPark,
Aerosol Building,
IIT Kanpur, Kanpur - 208016

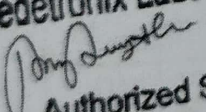
Email: contact@dtechsolutions.co
Website: www.dtechsolutions.co
Contact: +91 7985366027
GSTIN: 09BKSPA3635C1ZA

Date: November 10, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, Dr. Dilip Kumar Behara, Associate Professor, Department of Chemical Engineering, JNTUA College of Engineering, Anantapuramu (AP) has been allotted as "Research Consultant" for "Electrochemical techniques for detection and removal of pharmaceuticals in waste waters with different sensing platforms" of our project (Project cost Rs 10,22,000/-) at Research & Development center of Medetronix Labs Pvt. Ltd., Kanpur. He has specially consulted in electrochemical sensing measurements, analysis and testing with related apparatus. The duration of his appointment is ~2 years (December 1, 2022 to December 31, 2024) and we are also pleased to certify that the above project is under progress.

For Medetronix Labs

Medetronix Labs Pvt.Ltd.

Authorized Signatory

Anuj Awasthi
Director



Proceedings of the
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
(Established by Govt. of A.P., Act. No. 30 of 2008)
ANANTHAPURAMU - 515 002 (A.P.) INDIA.

Prof. C. Sashidhar
M.Tech., Ph.D



Phone : + 918554 272433

Fax : + 918554 272437

Mobile : + 9908088806

Email : registrar@jntua.ac.in

Registrar

Procs.No.C5/JNTUA/Estt./Dr. M.K.K & Dr. M.S/Research Seed Grant/2022

Sub:- JNTUA Ananthapuramu - Estt. - Permission for release of Research Seed Grant to Dr. M. Kalyan Kumar, Assistant Professor, Dept. of Chemical Engg., JNTUA CEA; Rs. 1,00,000/- and Dr. M. Sambaiah, Assistant Professor, Dept. of Humanities, JNTUA CEP; Rs. 50,000/- Orders - Issued.

- Read:- 1. This office Procs.No.C5/JNTUA/Estt/Research Seed Grant/Committee/2022, dt: 26.07.2022
2. Committee report and office note dt: 13.10.2022 of the Director, Sponsored Research.

* * *

ORDER :-

The Director, Sponsored Research in her office note read (1) above has stated that the committee constituted for purpose of scrutiny of proposals submitted by various faculty members for release of Research Seed Grant has submitted a report and stated that the proposals of the following faculty members for release of Research Seed Grant has been considered and recommended as per the details given below:

Sl.No.	Name of the applicant	Minor equipment Rs.	Consumables Rs.	Contingency Rs.	Hiring Rs.	Total Rs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Dr.M. Kalyan Kumar Assistant Professor Department of Chemical Engineering JNTUA CEA	40,000	15,000	10,000	35,000	1,00,000

Sl.No.	Name of the applicant	Surveying Rs.	Stationery Rs.	Contingency Rs.	Software Rs.	Total Rs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2	Dr.M. Sambaiah Assistant Professor Department of Humanities JNTUA CEP	10,000	5,000	10,000	25,000	50,000

Submitted to the Head of the Department
Sir
For favour of information.
Kajm
10/11/2022