

No. BT/PR7539/BCE/B/950/2012
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated: 26/03/2015

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: "Biodiversity of AM Fungi of forests of North Telangana and its exploitation in revegetation of disturbed coal mine spoils and overburdens." for a period of 3 Year 0 Month at a total cost of Rs. 3453200 (Rupees Thirty Four Lakhs Fifty Three Thousand Two Hundred Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : "Biodiversity of AM Fungi of forests of North Telangana and Its exploitation In revegetation of disturbed coal mine spoils and overburdens."

2.2 Details of the Investigators:

Dr. Srinivas Podeti
Assistant Professor
Department of Biotechnology
Kakatiya University, Warangal,
Andhra Pradesh-506009

CO-PI:

Prof. Sanditi Ram Reddy
UGC- Faculty Fellow
Department of Microbiology
Kakatiya University
Warangal - 506009, Andhra Pradesh

2.3 Objectives:

1. Based on the previous research experience and natural vegetation of that area four native plants i.e. Pongamia, pinnata, Acacia nilotica, Albizzia lebeck and Leucaena leucocephala will initially be used for the revegetation of coalmine spoils and overburdens.
2. Some of the AM fungal isolates viz. Glomus mosseae, Sclerocystis sinuosa, Acaulospora moreowae, Gigaspora gigantea, Glomus aggregatum will be employed to inoculate the seedlings to be transplanted on coalmine spoils and overburdens.
3. Survey of tropical forests of North Telangana region for the identification of efficient AMF flora.
4. Assessing the role of AMF in the maintenance of forest ecosystem.
5. Isolation, Purification and culturing of AMF forest region.
6. Screening of AMF against selected forest tree species, to be used for revegetation of disturbed and overburdened coalmine soils.
7. Assessing the performance of AMF based bioinoculants in the revegetation of coalmine disturbed soils.



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. 3453200/- (Rupees Thirty Four Lakhs Fifty Three Thousand Two Hundred Only) as per details given below :

Budget Head	Year I	Year II	Year III	Total (Rs.)
Equipment	1600000.00			1600000.00
Manpower	316800.00	316800.00	369600.00	1003200.00
Overhead	50000.00	50000.00	50000.00	150000.00
Travel	50000.00	50000.00	50000.00	150000.00
Consumables	150000.00	150000.00	100000.00	400000.00
Contingency	50000.00	50000.00	50000.00	150000.00
Total (Rs.)	2216800.00	616800.00	619600.00	3453200.00

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 2014-2015
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Research & Development
3425.60.200.29.02	Bioresource and Environmental Biotechnology
3425.60.200.29.02.35	Grants for creation of capital Assets

The Recurring expenditure involved is debitable to:

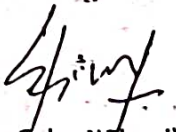
Demand No. 88	Department of Biotechnology
3425	Other Scientific Research 2014-2015
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Research & Development
3425.60.200.29.02	Bioresource and Environmental Biotechnology
3425.60.200.29.02.31	Grants-in-Aid General

& Conditions:

Other terms and conditions governing this sanction are attached at Annexure- III.

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 by the grantee institutions and its acceptance by DBT. In case of NGO or Private Institution, MOA signed is mandatory 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.
6. The Registrar, Kakatiya University, Warangal, Andhra Pradesh 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-09/2012 dated on 21 Oct 2014. However, there is no compulsion on PI's to select candidates for JRF in their projects from Category-II of DBT-BET.
8. The accounts of grantee institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so by the sanctioning authority.
9. This issues under the power delegated to this Department and with the concurrence of IFD vide their SAN No.102/IFD/SAN/5092/2014-2015 dated March, 25 2015.
10. This sanction order has been noted at serial no. 114 in the Register of Grants.


(Dr. Onkar N Tiwari)
Scientist 'D'

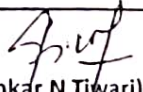
To,
The Pay & Accounts Officer,
Department of Biotechnology,
New Delhi - 110 003.

Copy to:

- 1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110 002.
- 2 The Registrar, Kakatiya University, VIDYARANYAPURI, Warangal, Warangal - 506009, Andhra Pradesh
- 3 Dr. Srinivas Podeti, Assistant Professor, Department of Biotechnology, Kakatiya University, Warangal - 506009, Andhra Pradesh
- 4 Prof. Sanditi Ram Reddy, UGC- Faculty Fellow, Department of Microbiology, Kakatiya University, Warangal - 506009, Andhra Pradesh
- 5 Cash Section, DBT (2 copies).
6. Sanction Folder.
- 7 File Copy.


(Dr. Onkar N Tiwari)
Scientist 'D'


Kakatiya University			
SNo.	Name of Equipment	No.	Cost(Rs.)
1.	Construction of Green House (total controlled area size 25x18x9=450sft)	1	700000.00
2.	Stereo Bionocular Microscope with Episcopic white LED Illuminator and image analysis software documentation	1	900000.00
Total			1600000.00


 (Dr. Onkar N Tiwari)
 Scientist 'D'

is of the manpower sanctioned for the implementation of the project titled "Biodiversity of AM Fungi of forests of Chh Telangana and its exploitation in revegetation of disturbed coal mine spoils and overburdens.":

Head	No. of Position	Year I	Year II	Year III	Total (Rs.)
Junior Research Fellow @ Rs. 12000+10% HRA in 1st and 2nd year; Rs. 14000+10% HRA in 3rd year (E. Q.: M.sc. in Biological Sciences)	2	316800.00	316800.00	369600.00	1003200.00

Emoluments detail of research personal(s) mentioned in table(s) of Annexure-II shall be applicable only if candidate(s) met educational qualification and eligibility criteria as per DST OM No.SR/S9/Z-09/2012 dated 21.10.2014.


(Dr. Onkar N Tiwari)
Scientist 'D'