

# Uttarakhand Council For Biotechnology

Department of Agriculture, Govt. of Uttarakhand  
Biotech Bhavan, Haldi (263146), Distt. U.S. Nagar, Uttarakhand

(Ph. 05944-230567 Email:statebiotech@rediffmail.com)

No. UBC/R&D Project/2022/ 194

Date 05/03/2022

## OFFICE ORDER

As per the recommendation of project review committee, UCB has been pleased to sanction R&D project entitled "Bioprocess Development for the Biological Removal of Iron from Subsurface Drinking Water" for a period of three years with total cost of Rs. 16,60,000.00/- (Rupees Sixteen Lakh Sixty Thousand Only) on the terms and conditions detailed here under:-

1. The Project

1.1 Title

"Bioprocess Development for the Biological Removal of Iron from Subsurface Drinking Water"

1.2 Project Investigator :

**Dr. Prashant Singh (PI) Associate Professor, DAV (PG) College Dehradun**

**Dr. Sanjay Gupta, (Co-PI) Professor & Head Swami Rama Himalayan University, Dehradun**

2. Objectives:-

- Search for sustainable, better, cheaper, and safer technique for removal of iron from subsurface water
- Technical evaluation of different biotechnological parameters for the iron removal from subsurface water of the designated site of study
- Development of bioprocess at laboratory scale followed by field trial demonstration and submission for application at large scale (if time permits)
- Economic evaluation of the method developed in comparison with other methods used for the same purpose.

3. Consolidated Budget for the total project duration: -

| Sl. No. | Items                      | 1 <sup>st</sup> Year (Rs.) | 2 <sup>nd</sup> Year (Rs.) | 3 <sup>rd</sup> Year (Rs.) | Amount (in Rs.)     |
|---------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------|
| 1.      | Non-Recurring - Equipments | 2,50,000.00                | 2,50,000.00                | -                          | 5,00,000.00         |
| 2.      | Recurring                  |                            |                            |                            |                     |
| (i)     | Manpower                   |                            |                            |                            |                     |
|         | JRF @ 12000/-              | 1,44,000.00                | 1,44,000.00                | 1,44,000.00                | 4,32,000.00         |
|         | RA @ 8000/- per month      | 96,000.00                  | 96,000.00                  | 96,000.00                  | 2,88,000.00         |
| (ii)    | Consumables                | 1,00,000.00                | 80,000.00                  | 50,000.00                  | 2,30,000.00         |
| (iii)   | Travel                     | 25,000.00                  | 25,000.00                  | 25,000.00                  | 75,000.00           |
| (iv)    | Contingency                | 25,000.00                  | 25,000.00                  | 25,000.00                  | 75,000.00           |
| (v)     | Overhead Charges           | 20,000.00                  | 20,000.00                  | 20,000.00                  | 60,000.00           |
|         | <b>Total</b>               | <b>6,60,000.00</b>         | <b>6,40,000.00</b>         | <b>3,60,000.00</b>         | <b>16,60,000.00</b> |

Note: Project Investigator is requested to intimate our officer for willingness to take up the above cited project with suggested modification within this budget for stipulated time period.

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4. Terms & Conditions:

- i. The amount will be used by the institution/concerned office only for the purpose it has been sanctioned. The Amount will be used towards the expenditure for above cited project with stated objectives, milestone and timelines expressed thereof.
- ii. As per the rules the account of project shall be open to inspection by sanctioning authority whenever the institute is called upon to do so.
- iii. The institute will furnish to the department, utilization certificate of accounts pertaining to the grant, immediately after the end of the financial year.
- iv. Progress report and utilization certificate (as per UCB format) will be sent to this office by the PI through head of the institution in two hard copies and one soft copy (in Hindi and English).
- v. Kindly show the bank interest, if any, earned on the funds transferred by UCB as the same is required to be added in the capital fund amount released/being released.
- vi. The date of project will be as on the date of office order released.
- vii. No International travel will be undertaken from the sanctioned project grant unless specified otherwise.
- viii. Other terms and conditions are as per the Uttarakhand Council For Biotechnology, Govt. of Uttarakhand.

  
(Dr. Kanchan Karki)  
In-charge Project Cell

Copy for information and necessary action to:-

1. Project Cell, UCB, Haldi
2. Accounts, UCB, Haldi
3. Dr. Prashant Singh Associate Professor, DAV (PG) College Dehradun
4. Dr. Sanjay Gupta, (Co-PI) Professor & Head Swami Rama Himalayan University, Dehradun
5. The Principal, DAV (PG) College Dehradun

(Dr. Kanchan Karki)  
In-charge Project Cell