

**Institute of Bioresources and Sustainable Development (IBSD), Takyelpat, Imphal
(A national Institute of Department of Biotechnology, Govt. of India)**

ADVERTISEMENT No. 07/2017

June 20, 2017

Applications are invited from deserving and suitable candidates for various posts of Junior Research Fellow (JRF), Senior Research Fellow (SRF), Research Associate (RA), Project Assistant (PA), Project Fellow (PF), Technical Assistant (TA), Field cum Farm Assistant, Lab cum Field Assistant under different projects under IBSD, Govt. of India, Imphal (Manipur).

The title of the Projects, emoluments, qualification required, age limit, tenure of the project terms and conditions of the fellowship/appointment and format of application are given in Institute website- www.ibsd.gov.in

Applications for **Project code No. 1 to 12** should reach to the Technical Officer (Admin.), Institute of Bioresources and Sustainable Development, Takyelpat, Imphal, 795001, Manipur, within 21 days after publication of the advertisement.

Applications for **Project code No. 13 to 17 are for IBSD, Sikkim center**, candidates should apply to; Administrative Officer, IBSD, Sikkim Center, Tadong-737102, Sikkim, within 21 days after publication of the advertisement.

Sd/
Technical Officer (Admin.)
IBSD, Imphal, Manipur.

Project Code IBSD 1 -Propagation of disease free Banana species of North East India through plant tissue culture for enhancing the livelihood of local farmers.

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Junior Research Fellow (SRF)	1	2 years	25000 + 10% HRA	M Sc 1st class (Life Sciences, Botany, Biotechnology, Horticulture) JRF Shall execute collection of planting material of banana, tissue culture work, hardening and field trial of banana.
2	Technical Assistant (TA)	1	2 years	13000/-	B Sc with Biology. TA shall be responsible for media preparation, day to day maintenance of lab and helping JRF in collection.
3	Lab cum Field Assistant	1	2 years	10000/-	Class XII (Science). Lab cum Field Assistant shall look after washing glass ware and hardening unit, poly house and field trial of tissue culture raised banana.

Project Code IBSD 2- Demonstration and capacity building programmes for production of Naga Chilies by modern horticulture technologies at farmers field in Nagaland.

S No	Posts	No. of Posts	Duration of Project	Emoluments Rs (Monthly)	Qualification required
1	Junior Research Fellow (JRF)	1	2 years	25000 + 10% HRA	M Sc 1st class (Life Sciences, Botany, Biotechnology)
2	Project Assistant (PA0)	1	2 years	16000/-	M Sc. (Life Sciences, Botany, Biotechnology)

Project Code IBSD 3- Bio-activity guided isolation and purification of neuro-protective molecules from *Isodon Ternifoliosus* and *Tinospora cordifolia*.

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Junior Research Fellow (JRF)	1	2 years	25000/- + 10% HRA	M Sc. Or equivalent degree in Life sciences, Zoology, Entomology, Organic Chemistry, Biotechnology, Biochemistry with at least 55% marks.

Project Code IBSD 4- Field demonstration & establishment of Demo plots for cultivation & processing of select aromatic crops in Manipur.

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Junior Research Fellow (JRF)	1	2 years	25000/- + 10% HRA	M Sc. Or equivalent degree in Life sciences, Zoology, Entomology, Organic Chemistry, Biotechnology, Biochemistry with at least 55% marks.

Project Code IBSD 5- Exploration of plant diversity in unexplored areas of Manipur and Nagaland; Inventory, conservation of threatened & endemic plants, field germplasm bank and bioprospection of selected taxa for using as bioresources.

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Senior Research Fellow (SRF)	1	2 years	28000/*+ 10% HRA	Post graduate degree with 2 years of research experience in Life Science/Botany/Environmental Science or any other relevant

					discipline. Desirable: NET/GATE qualified candidates with experience in plant taxonomy/Ecology
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Project Code IBSD 6- Technology demonstration for hybrid *Dendrobium* cut flower production at farmers field in Manipur for Bio entrepreneurship development

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Project Assistant (PA)	1	2 years	16000/-	First Class Post graduate degree in Horticulture/Agriculture/Life Science/Botany/Environmental Science or any other relevant discipline

Project Code IBSD 7- Exploration and inventories as means to strengthen taxonomy, biodiversity science and monitoring in Northeast India.

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Senior Research Fellowship (SRF)	1	2 years	28000/- + 10% HRA	Post graduate degree with 2 years of research experience in Life Science/Botany/Environmental Science or any other relevant discipline Desirable: NET qualified candidates with experience in plant taxonomy/ ecology

Project Code IBSD 8- Life cycle cryo-preservation of Orchids for bio-resources conservation and sustainable development.

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Junior Research Fellowship (JRF)	1	2 years	25000/- + 10 % HRA	First Class Post graduate degree in M.Tech/Biotechnology/Agri-biotechnology /Life Science/Botany/Environmental Science or any other relevant discipline.Desirable: NET/GATE qualified candidates with experience in plant tissue culture/plant biotechnology.

Project Code IBSD 9- Study on persistence of Japanese encephalitis in reservoir host pig; in endemic areas of Odisha, Manipur and Assam.

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Senior Research Fellow (SRF)	1	2 year	28000/- + 10% HRA	M Sc Microbiology, Medical Microbiology, Biotechnology, Life Sciences, Veterinary Science, Genetics, Molecular biology, Pharmacology etc. (Desirable- one year research experience and having knowledge of virology, microbial pathology, molecular biology).

Project Code IBSD 10- Leveraging North East Microbial diversity towards screening for novel anti microbial

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Research Associate (RA) Age limit 35 years (Relaxation as per Govt. Rules)	1	2 years	36000/- + 10% HRA	M Sc with Ph D in Microbiology, Medical Microbiology, Biotechnology, Life Sciences, Veterinary Science, Genetics, Molecular biology, Pharmacology etc. (Desirable - Ph D Degree with one year research experience in isolation and characterization of microbial bioactive molecules, microbial enzymes, anti microbial compound, microbial diversity study etc.)

Project Code IBSD 11- Investigating the Fanconi anemia pathway for sensitizing cisplatin/camptothecin resistant cancer; screening and purification of medicinal plants for sensitizing drug resistant cancer cells.

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Junior Research Fellow (JRF)	1	2 years	25000/- + 10% HRA	M Sc in Organic chemistry, Analytical Chemistry, Natural product chemistry, Biochemistry, Botany, or M Pharm in Pharmacology. Candidate with computer knowledge is desirable.

Project Code 12- Evaluation of impact of elevated carbon di oxide on photosynthesis and productivity of black rice for climate resilient agriculture.

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Senior Research Fellow (SRF)	1	2 years	28000/- + 10% HRA	M Sc Plant Physiology, Biotechnology, Life Sciences, Molecular biology, (Desirable- one year research experience and having knowledge of plant physiology molecular biology).
2	Research Associate (RA III)	1	2 years	40000/- + 10% HRA	M Sc with Ph D in Plant Physiology, Biotechnology, Life Sciences, Molecular biology, (Desirable - Ph D Degree with one year research experience in Plant Physiology, Biotechnology, Life Sciences, Molecular biology,)

Project Code 13- Exploration and exploitation of microflora from *marcha* and soil samples from high altitude soils for the production of 2 5-furan dicarboxylic acid and selected industrially important enzymes

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Junior Research Fellow (JRF)	1	2 year	25000/- + 10% HRA	First Class M Sc in Microbiology, Biotechnology, Biochemistry for exploitation of microflora from <i>marcha</i> having ability to produce specific enzymes for development of industrial processes.

Project Code IBSD 14- Structural and functional characterization of meta genome of extreme niches and fermented foods oh high altitude region of Sikkim Himalaya & identification of bio-catalysts for transformation of carbohydrates and proteins into value added molecules

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Junior Research Fellow (JRF)	1	2 years	25000/- + 10 % HRA`	First class M Sc in Pharmacy, Chemistry, Biotechnology, Microbiology, Life Science for bioactivity and characterization of fermented trnasformed bioactive molecules (Isoflavones) during fermentation and data analysis.

Project Code IBSD 15- Production of healthy planting material of orange *Citrus reticulata* and Assam lemon *Citrus lemon* through budwood certification programme and its distribution to growers in Assam and Northeastern States.

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Junior Research Fellow (JRF)	1	2 years	25000/- +10% HRA	M Sc Agriculture, life sciences, Botany, for survey and collection of accessions with valuable agronomic traits.

Project Code IBSD 16- Development of Genome wide molecular marker resources for genetic characterization and conservation of medicinally important endangered Picrorhiza species.

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Junior Research Fellow (JRF)	1	2 years	25000/- + 10 % HRA	M Sc 1 st class in Botany, Biochemistry, Plant Breeding, Biotechnology, Environmental Science. Desirable having experience in plant collection and identification and general molecular techniques and computer applications.

Project Code IBSD 17- Characterizing unexplored Seabuckthorn germplasm in Sikkim for antifreeze proteins, secondary metabolites, its comparison with germplasm of Lahul and Spiti valley, Himachal pradesh and also utilizing the Bio resources for uplifting the livelihood of local people.

S No	Posts	No. Of Post	Duration of Project	Emoluments (Rs). Monthly	Qualifications required
1	Junior Research Fellow (HRF)	1	2 years	25000/- +10% HRA	M Sc 1 st class in Botany, Plant Molecular Biology, Pharmacy, Biochemistry, Biotechnology. Having experience in characterization in plant proteins and secondary metabolite related work.

Instructions to candidates applying for the positions. Candidates should mention the-

1-Project Code

2-Title of the project

3-Position applied for

Age Limit-

For JRF 28 years, SRF 30 years, Research Associate 35 years (relaxable for reserved categories as per GoI norms)

Tenure of the project - Two years or till the completion of the project whichever is earlier.

All the appointments are purely on temporary contractual basis and co-terminus with the project as indicated in the offer whichever is earlier. The candidate have no legal right, whatsoever, for absorption/re-employment. Candidates should produce all the original certificates/testimonials at the time of interview. No TA/DA shall be paid for appearing in the interview. The number of posts may increase or decrease.

