



(An Autonomous Institution of Ministry of Environment, Forest and Climate Change,  
Government of India)

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**Advt. No. YVI/WII/T. CELL/AITE 2021-22**

**Contractual Engagement of 74 Project Personnel at the Wildlife Institute of India, Dehradun**

The Wildlife Institute of India (WII), Dehradun is a premier national autonomous Institute of the Ministry of Environment, Forests and Climate Change (MoEFCC), Government of India in the field of teaching, training and research in the area of wildlife conservation and Protected Area management. The Institute wishes to advertise for contractual engagement of manpower for various positions for the following three projects and Tiger Cell:

- 1. Country Level Assessment of Status of Tigers, Co-predators and Prey and their Habitats in India:** Since 2006, the National Tiger Conservation Authority (NTCA) in collaboration with the Wildlife Institute of India (WII) has been conducting a National level assessment for the "Status of Tigers, Co-predators, Prey and their Habitat" every four years based on a scientific methodology approved by the Tiger Task Force in 2005. The project aims at assessment of tigers, other predators, major prey species, habitat qualities and human disturbance parameters in all potential tiger occupied landscapes spread over 20 states in the country.
- 2. Monitoring System for Tigers-Intensive Protection and Ecological Status (M-STriPES):** M-STriPES is a smart tool for adaptive management of the Tiger Reserves of India using a holistic approach by integrating ecological insights obtained through the standardized tiger, prey, and habitat assessment protocols to guide protection and management. It enables managers to assess intensity and spatial coverage of patrols in a GIS based tool. The system performs statistical computations of occupancy, precision, sample size, and assesses trends over desired time and spatial scales for tigers, other carnivores, prey populations, human impacts, illegal activities, human-wildlife conflicts and law enforcement investments.
- 3. Identification of tiger corridor in and around Palamau tiger reserve:** Corridors are crucial in order to conserve and manage tiger population in a meta-population framework. The Palamau Tiger Reserve is an important tiger habitat in the Chotnagpur plateau region; however, at present tiger presence in this landscape is sporadic and inconsistent. Safeguarding the corridors connecting nearby tiger populations will facilitate future tiger recovery in Palamau. Therefore, the project aims at assessing the potential corridors and their status in the greater Palamau landscape (connecting nearby PAs) using field surveys, geo-spatial tools.

- 4. Tiger Cell:** In order to achieve the goal of tiger conservation through a holistic approach based on science, the Tiger Cell (in collaboration with the National Tiger Conservation Authority – NTCA) was established at WII in April, 2016. The main mandates of the Cell includes :i) periodic, country-wide assessment of tigers, co-predators, prey and their habitat; ii) ecological monitoring of the Tiger Reserves; iii) implementation of M-STripes in Tiger Reserves; iv) site appraisals and evaluation of development projects *vis-à-vis* tiger distribution, dispersal and corridor network; v) maintain National Tiger Photo Data base for controlling illegal wildlife trade related to tigers and vi) provide training as and when required for ecological monitoring, research and management.

The initial period of recruitment will be for 12 months which may be extended depending on the candidate's performance and the project needs. The work description, essential and desirable qualifications, age (as on date of advertisement) and monthly emoluments for the required position are given in **Annexure – 1**.

### **Mode of Selection**

1. The selection for positions Sno. 1-4 and 6-8 (Annexure 1) will be based on an online written essay followed by a personal interview conducted through video conferencing. For the position of Office Attendant (Sno. 5, Annexure 1) there will be only a personal interview and shortlisted candidates will be directly called for the personal interview.
2. The online written essay will be for one hour and comprise of a minimum of 300 words, essay based on the knowledge of Ecology, Conservation Biology, Sampling techniques, Life Sciences, Conservation Genetics, Biotechnology, Biochemistry, GIS, Remote Sensing, Geo-informatics and their application in wildlife conservation and relevant conservation issues (25 marks).
3. The candidates that qualify the written essay will be notified through our website ([www.wii.gov.in](http://www.wii.gov.in)) and email for the personal interview.
4. All original documents/certificates must be produced at the time of joining for necessary verification. If there will be any discrepancy in the document submitted at the time of verification, the selection of the candidate will be cancelled.
5. The written essay test is of a qualifying nature and only the shortlisted candidates will be called for the personal interview. The final selection of the candidate will be in accordance with the performance in the interview and in order of merit as decided by the Interview Committee.

### **How to Apply**

#### **REGISTRATION**

1. The entire process for registration shall be "Online". Details for online registration and test will be hosted on the WII's website (<http://www.wii.gov.in/>) under recruitment section. Online Registration **shall begin on 30.07.2021 (09:00 hours) and close on 20.08.2021 (17:30 hours)**, which is the last date of receipt of application.
2. All eligible interested candidates are advised to follow the latest updates on WII's website (<http://www.wii.gov.in/>) under recruitment section for online registration link.
3. Candidates will be required to enter their personal, educational and professional experience profiles online besides uploading a recent passport size photograph.
4. Candidates must mention the Project Position applied for in their applications.

### **ESSAY EXAM**

1. An email will be sent on the registered email id of the candidate on **29.08.2021 at 10:30 am**. The email will contain a list of 6 essay topics, the candidate has to select one topic and write a minimum of 300-word essay on the same.
2. Candidates who have applied for more than two position will attempt one essay only.
3. Late submission ( **after 11:35 am**) will not be considered and incase of multiple submission essay submitted within the mentioned time period will be considered for evaluation.
4. Detailed instructions about the procedure will also be communicated via email to the selected candidates

### **General Terms and conditions**

1. Incomplete applications/ application sent by Post/applications are liable to be rejected.
2. Mere fulfilment of the minimum advertised qualification and experience requirement DOES NOT automatically entitle an applicant to be called for written test / interview. The decision of the Institute in all matters relating to eligibility, acceptance or rejection of application, mode of selection will be final and binding on the candidates and no enquiry or correspondence will be entertained from any individual or his / her agency.
3. At the time of the verification of original documents or even after selection, if it is found that an attempt has been made by the applicant to willfully conceal, misrepresent or canvass the facts, such applicant will not be considered for selection and due action will be taken.
4. Age relaxation: Relaxation in upper age shall be allowed in accordance with the Government of India, Ministry of Personnel, Public Grievances and Pensions (Department of Personnel & Training)OM NO. 1501282/2010-Estt.(D) dated 27.03.2012 as amended from time to time. However, the categories of upper age relaxation are as follows:
  - a. Scheduled Castes, Scheduled Tribes and women candidates up to 5 years.
  - b. Other Backward Class (OBC) up to 3 years.
5. The Director WII, reserves the right to reject any candidature in view of incomplete information provided by the candidate or for any other reason thereof.

**Registrar**

**Annexure 1**

**Requirement for Project personnel**

SL. No.	Positions and Number	Essential Qualifications	Desirable Qualifications	Age limit	Consolidated monthly emoluments*	Work description
<b>Project: Country Level Assessment of Status of Tigers, Co-predators and Prey and their Habitats in India</b>						
1	Senior Biologist <b>5 No.</b>	M.Sc. in Wildlife Sciences/Zoology/Botany/Life Sciences/Forestry/Forest Management/Environmental Science/Environmental Management/Conservation Biology/Veterinary Sciences/Agricultural Sciences/Statistics Genetics/Biotechnology/Biochemistry/Molecular Biology/Microbiology/Biosciences/ with a minimum of 50% aggregate marks in M.Sc. from a recognized University with at least 2 years of research experience in wildlife science or conservation.	Candidates with prior experience in sampling design and animal abundance estimation, knowledge of software like MARK, DISTANCE, R, SECR and MAXENT, able to do field work in harsh condition will be given preference. Proficiency in using computers and good writing skill in English language.	40 yrs	Rs. 35,000/-	Analysis of large scale data on animal abundance and indices, field supervision and training, report writing. Work will be both at HQ in Dehradun with several field visits. The job requires extensive traveling to forest interiors, wildlife areas and arduous terrains across India for longer durations.
2	Research Biologist (field component) <b>48 No.</b>	B.E./B. Tech./B.Sc. or M.Sc. in Wildlife Science/Botany/Zoology/Forestry/Forest Management/ Life Sciences/Environmental Sciences /Environmental Management/ Agricultural Sciences/Veterinary Sciences/Biotechnology/Genetics/Conservation Biology/Statistics/ with a minimum of 50% aggregate marks from a recognized University.	Candidate(s) with prior experience in sampling design and animal abundance estimation will be preferred. Able to do field work in harsh condition.	28 yrs (for B.Sc)  32 yrs (for others)	Rs. 25,000/- (for B.Sc)  Rs. 31,000/- (for others)	Population estimation using camera traps, mark recapture, distance sampling and occupancy analysis. Habitat evaluation and human disturbance assessment. The research work will be carried out in different parts of India. Work will be primarily at field sites with occasional visits

						to the HQ at Dehradun.
3	Research Biologist (Genetics component)  <b>5 No.</b>	M.Sc. in Genetics/Biotechnology/Biochemistry/Molecular Biology/Microbiology/Biosciences/Botany/Zoology/Life Sciences/Forestry/Wildlife Science with a minimum of 55% aggregate marks from a recognized University.	Candidate(s) with prior experience in DNA extraction, PCR analysis, analysis of genetic data especially sequence and microsatellite will be given preference.	32 yrs	Rs. 31,000/-	Developing a genetic database of large carnivores to understand population structure and gene flow. Work will be primarily at Dehradun lab based with some field visits for sample collections. Active participation and assistance in routine molecular biology laboratory work.
4	Research Biologist (GIS component)  <b>3 No.</b>	M.Sc. in Wildlife Science/ Life Sciences/Forestry/ Environmental Science/ Environmental Management/Applied Science/Remote Sensing and GIS/Geo-informatics/Biological Sciences with a minimum of 50% aggregate marks from a recognized university.  OR  Post Graduate/Diploma in Remote Sensing and GIS with a minimum of 50% aggregate marks from a recognized university.	Experience in Remote Sensing and GIS, competency in Arc GIS, ERDAS IMAGINE and other Open Source Software (Q GIS etc.) shall be given preference.	32 yrs	Rs. 31,000/-	The job primarily involves handling, processing and analyses of large scale spatial data with data processing, digitization, feature extraction, and analysis within GIS platform. Maintenance of spatial data, end user support. Generation of maps and providing other GIS reports and information. Work will be primarily at WII with some field visits for ground validations (if required).
5	Office Assistant  <b>2 No.</b>	B.sc /B.A. /B.com with 50% aggregate marks from a recognized university	Experience of working in MS Office, graphic design, good oral and written communication skills	35 yrs	Rs 25,000/-	The Office Assistant will work under the ambit of Tiger Cell, AITE, MSTripes, Organize and attend meetings and workshops, Preparation and submission of the Reports and other relevant documents, Any other required tasks

**Project: M-STRIPES**

SL. No.	Positions and Number	Essential Qualifications	Desirable Qualifications	Age limit	Consolidated monthly emoluments**	Work description
6	Project Fellow  <b>8 No.</b>	M.Sc. in Wildlife Science/Botany/Zoology/Forestry/Forest Management/ Life Sciences/Environmental Sciences /Environmental Management/ Agricultural Sciences/Veterinary Sciences/Biotechnology/Genetics/Conservation Biology/Statistics/ with a minimum of 50% aggregate marks from a recognized University.	Candidate(s) with prior experience in sampling design and animal abundance estimation will be preferred. Able to do field work in harsh condition.	32 yrs	Rs. 31,000/- + HRA as admissible	Train and handhold forest staff for using and implementing MSTRIPES, testing apps and desktop versions and providing online services. Candidate will be involved periodically in population estimation using camera traps, mark-recapture, distance sampling and occupancy analysis. Habitat evaluation and human disturbance assessment. The research work will be carried out in different parts of India. Work will be primarily at field sites with occasional visits to the HQ at Dehradun.

**Project :Identification of tiger corridor in and around Palamau tiger reserve**

SL. No.	Positions and Number	Essential Qualifications	Desirable Qualifications	Age limit	Consolidated monthly emoluments**	Work description
7	Project Fellow  <b>2 No.</b>	M.Sc. in Wildlife Science/Botany/Zoology/Forestry/Forest Management/ Life Sciences/Environmental Sciences /Environmental Management/ Agricultural Sciences/ Conservation Biology with a minimum of 50% aggregate marks from a recognized University.	Candidate(s) with prior experience in wildlife sampling design in human-dominated landscape, and animal abundance estimation will be preferred. Basic knowledge of remote sensing and GIS. Able to do field work in harsh condition.	32 yrs	Rs. 31,000/- + HRA as admissible	Train and handhold forest department staff for camera trapping, and animal surveys (using M-STrIPES). Candidate will be involved in population estimation of wild animals using mark-recapture, distance sampling and occupancy analysis, and habitat evaluation and human disturbance assessment. The research work will be carried out in and around Palamau TR. Work will be primarily at field sites with occasional visits to the HQ at Dehradun.

**Project : Tiger Cell**

SL. No.	Positions and Number	Essential Qualifications	Desirable Qualifications	Age limit	Consolidated monthly emoluments**	Work description
8	Database manager  <b>1 No.</b>	Master's or Ph.D. Degree in Wildlife Science/ Forestry/Environmental Science/Bio Sciences/Life Sciences/Zoology/Veterinary Sciences with a minimum of 50% aggregate marks in M.Sc. <b>Experience:</b> Candidates with Master's Degree should have a minimum of 02 (two) years research experience after Master's degree and candidates having Ph.D. degree should have experience of at least one year in the field of conservation or	Experienced candidates in the field of carnivore ecology and management will be given preference and competency in ecological software are desirable.	42 yrs	Rs. 40,500	Maintaining tiger and leopard photo-database. Processing Phase IV data of Tiger Reserves. Supervising tiger and leopard identification during the All India Tiger Estimation exercise. Work will be both at HQ in Dehradun and HQ in New Delhi. with

		wildliferesearch after award of Ph.D. Candidate should have a minimum of 03 (three) years of experience in working with animal image recognition softwares/programs and animal individual identification software/program. They should have experience in maintaining large and multiple year dataset.				severalfield visits.
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**\*Institute shall provide Medical andAccidental Insurance Cover. Projects will also provide accommodation (except Office Assistant, who is not eligible for HRA) and only if accommodation is not available HRA as per the admissible norms will be paid to the researchers.**

**\*\* Institute shall provide Medical andAccidental Insurance Cover.**