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### **Contractual Engagement of Project Personnel for Species Conservation Programs**

The Ministry of Environment, Forest and Climate Change (MoEFCC) has developed recovery plans for endangered species with technical assistance from the Wildlife Institute of India, Dehradun (WII). To implement these recovery actions, the MoEFCC has provided financial support to the WII. The recovery programs that have been prioritized for funding projects which will be implemented for duration of five years, extendable upon the needs of the programs. The brief aims of these projects are as follows.

**Development of Conservation Action Plan for River Dolphins:** Ganges river dolphin is an indicator of river quality, not only for the river ecosystem integrity but also for the sustenance of humans. To keep our river system healthy, we need to conserve dolphins and monitor it as indicator of river health. Therefore, this program aims to develop recovery plan for the Gangetic dolphin populations and their habitats in India. This program also aims to develop Ganga and Brahmaputra river monitoring system with river dolphin as the flagship species. The program will also engage people dependent on river specifically fisher folk, and other water dependent profession and industries. The main objectives of this project are, a) to develop a monitoring protocol for Ganges river dolphins, b) status assessment of associated river fauna like the Gharial, Otters, Turtles and Fish species, c) quality assessment of river habitat in terms of water quality, anthropogenic pressure and landscape surrounding river scape, d) evaluate the current status of invasive species in the riverscape, e) involve stake holders to develop a network which will assist in Ganges river dolphin conservation. The project envisages filling in the gaps of current knowledge about ecology of dolphin and the wider riverscape. We need motivated people to do good science and advocacy for dolphin conservation.

The Institute plans to engage personnel for various positions on contractual basis, initially for one year period from the date of appointment that can be extended depending on the candidates performance and the project requirement. The work description, essential and desirable qualifications, age and the consolidated monthly emoluments including all allowances for the required position is given in **Annexure 1**.

### **Recruitment process**

The Project Personnel (Indian Nationals) for the Species Conservation Programs will be recruited through a written test followed by a personal interview. The written test for these positions will be conducted at 10 centres namely (i) Dehradun (ii) Jaipur, (iii) Mumbai, (iv) Bangalore, (v) Chennai, (vi) Kolkata, (vii) Guwahati, and (viii) Lucknow, (ix) Bhopal, (x) Delhi/NCR. The address of the centre(s) will be communicated to candidates in their Admit Card.

The decision of the Institute in all matters relating to eligibility, work experience, acceptance or rejection of application, mode of selection will be final and binding on the candidates and no enquiry of correspondence will be entertained from any individual or his/her agency. At the time of the verification of original documents, if it is found that an attempt has been made by the applicant to wilfully conceal, misrepresent or canvass the facts, his/her candidature will not be considered. A separate declaration form will have to be submitted through online application system.

### Written Examination and Interview

- (i) The entrusted online agency will issue “Admit Card” to eligible candidates which can be downloaded from web link provided. The admit card will have details of Examination Centre, Date and Time of online test on wherein applicants will appear in the NET at their own cost. Applicants will make their own arrangement for travel and accommodation for appearing in online NET.
- (ii) For positions Project Fellow & Project Assistant Grade-2: The written examination will be of one hour 30 Minutes duration which will include:
  - a) 20 multiple choice questions from General Ecology and Conservation Biology (20 Marks)
  - b) 30 multiple choice questions specific to the subject (30 Marks)
  - c) One essay of 500 words on the given topic related to Wildlife Conservation and Ecology (20 Marks)
- (iii) Candidates appearing for 2 positions/projects will take a common multiple choice, first paper on General ecology and conservation biology of 20 marks (20 minutes) as described in Section (ii) and multiple choice papers, specific to the subject of the project, for 30 marks each (30 minutes duration each). These candidates will also write an essay of 500 words of 30 minutes duration as given in section ii.c. each section is exclusive and time will not be carried to next section.
- (iv) Online written examination will be conducted at respective centres on 29<sup>th</sup> December,2018 at 11 AM onward. The location of the centre will be communicated by email.
- (v) The written test is of a qualifying nature, successful candidates only will be called for the 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.
- (vi) The result of the written test shall be declared at the Institute’s website [www.wii.gov.in](http://www.wii.gov.in) in the first week of January,2019. The shortlisted candidates will be called for a personal interview at the Wildlife Institute of India, Dehradun. The interviews are likely to be held in the middle of January, the specific date of which would be notified to the shortlisted candidates and also hosted on the Institute’s website. No TA/DA will be given for attending the written test or the interview.

### How To Apply

- (i) The entire process for registration and NET is “Online”. Details for online registration and NET will be hosted on the WII’s website (<https://services2.amezo.com/wiircnctest/reg>). Online registration process will be open till 17hrs, 20<sup>th</sup> December 2018.
- (ii) All eligible interested candidates are advised to follow the latest updates on the WII’s website (<https://services2.amezo.com/wiircnctest/reg>) for online registration, submission of application and payment of application processing fee, etc.
- (iii) Candidates will be required to fill in their personal, educational and professional experience profiles online besides uploading a recent passport size photograph. Candidates will make the payment of application processing fee of Rs. 500/- (Rupees Five hundred only) through the prescribed “Payment Gateway”.

Candidates belonging to SC, ST and Physically Challenged category need to pay only Rs 100/- as communication fees.

Shortlisted candidates called for interview will be required to upload their documents pertaining to their educational/professional qualifications and experience etc. and originals documents will be produced for verification at the time of personal interview.

- (iv) Candidates must mention the **Project name and Position applied for** in their applications.
- (v) Candidates can apply for **maximum of two positions in any project** and pay the fee for every position. For candidates who have applied for two positions, the general test would be common for both positions followed by specific subject tests, one for each position. There would be a common essay for both positions.

**Annexure 1: Recruitment details for Development of Conservation Action Plan for River Dolphins**

S. No.	Name of Position & No. of Posts	Work description	Duty station	Essential qualifications	Desired Qualifications	Experience	Age Limit			Consolidated monthly emolument
							General	SC/ST/ Women/ Physically Challenged	OBC	
1	Project Fellow- Ecology (2)	Candidates will work on aspects of aquatic ecology, including Mammals, Fishes, Reptiles and Planktons and/or aspects of human and socio-economic factors related to conservation of Gangetic dolphins	Field sites in Ganga and Brahmaputra, headquarters at Guwahati and Dehradun	M.Sc. in Biological Sciences /Wildlife / Fisheries/Forestry/ Environment/ Botany/ Zoology/ Geoinformatics / Biodiversity Conservation	Aptitude for field work. Experience of working on in aquatic ecosystem.	0 year	<=35	<=40	<=38	28,000 INR
2	Project Assistant grade 2 * Ecology/ Sociology (4)	Candidates will assist in Social and Ecological aspects related to conservation of Gangetic dolphins and riverine ecology in general	Field sites in Ganga and Brahmaputra, headquarters at Guwahati and Dehradun	M.Sc. in Biological Sciences/ Sociology /Zoology / Botany/ Forestry / Life Sciences/ Social sciences/ Economics	Aptitude for field work. Experience of working on in aquatic ecosystem OR Experience of sociology work with a community or a tribe.	0 year	<=30	<=35	<=33	20,000 INR
3	Project Assistant Genetics (1)	Candidates will assist in molecular biology aspects related to conservation of Gangetic dolphins and riverine ecology in general	Field sites in Ganga and Brahmaputra, headquarters at Guwahati and Dehradun	M.Sc. in Biological Science/ Genetics/ Biotechnology, Life Science.	Experience in molecular biology.	0 year	<=30	<=35	<=33	20,000 INR

\* For posts S.No. 2, candidate should choose subject between Social sciences and Ecology for their written examination

## **Annexure 2: Written test syllabus**

### **General ecology and conservation biology (20 marks)**

General wildlife conservation issues in India. Losses and threats to biodiversity and Climate Change. Role of protected areas in conservation. Conservation outside Protected Areas. Translocation and reintroduction projects. Project Tiger, Elephant and Snow Leopard. Human wildlife interactions. Concepts of eco-development, village relocation, and compensation schemes for conservation. Legal instruments for conservation: Wildlife (Protection) Act, 1972; Indian Forest Act, 1927; Forest (Conservation) Act, 1980; and Environmental (Protection) Act, 1986. International agreements and conventions (CITES, CMS, CBD and Ramsar).

### **Subject domains of respective posts (30 Marks)**

**Ecology:** General Ecology, Basic concepts of ecosystems. Definitions of plant and communities, populations and individuals. Species interactions: competition, predation and mutualism. Population demography and dynamics. Meta population concept, Nature and structure of biological communities, Niche concept. Succession, Factors governing species diversity, Small and declining population paradigms, and Ecological restoration. Probability theory and distributions. Parametric and Non Parametric tests of difference. ANOVA, Correlation and regression analysis. Population enumeration techniques. In situ and ex situ conservation. Management of small and insular populations. Role of protected areas in conservation. Biology of Dolphins and ecology of aquatic ecosystems.

**Sociology:** General Sociology, Sociological perspective, Sociological theory, India's wildlife and conservation history; participatory conservation approaches (concept, mechanisms and examples); sociological and socioeconomic survey methods; overview of sampling and experimental design (for social sciences).

**Genetics :** Basic theory of population and genetics, applications of genetics in conservation, Nucleic acids, chemical basis of heredity, Mendelian concepts, Types of markers, Phylogenetic, Mutation theory, Evolution at molecular level, Speciation, Selection, Drift, Mutation, Migration, Genetic variation in natural populations, Conservation applications of genetics (loss of genetic diversity, inbreeding depression and bottleneck), Theory of laboratory techniques.