

Date: 05.04.2019

Advertisement for TWO Junior Research Fellows and ONE Senior Research Fellow

Project Name: Aquifer characterization, artificial recharge and reuse of suddenly available water in South Bihar

Brief project description: Artificial recharge is increasingly used for short or long-term underground water storage, where it has several advantages over surface storage. This project aims to demonstrate the technical feasibility, social acceptability, and economical viability of an indigenously developed ASR (Aquifer Storage and Recovery) system – the Bhungroo® – in South Bihar. The project will study the aquifer characteristics using pumping test and flowing fluid electrical conductivity logging, barriers to the adoption of this technology through regular stakeholder consultations, and economic rate of return by analyzing the benefits and costs involved. A hydro-geological map of the study site will be produced based on the aquifer data, and long-term monitoring of recharged water will be initiated for continuous risk assessment. The project will also assess the recharge capacity, benefits derived, and key social factors that help adoption of the Bhungroo® technology by the small farm holders. Continuous field observations on daily basis will be taken before and after the monsoon. This project is funded by Australian Centre for International Agricultural Research.

Number of Positions: TWO Junior Research Fellows and ONE Senior Research Fellow.

Emolument: Consolidated Rs. 30000/month for Junior Research Fellows and Rs. 50000/month for Senior Research Fellow.

Project duration: until 30th June 2020.

Qualifications: For JRF positions

Essential qualifications:

- M.A./M.Sc./M.Tech. in Environmental Studies, Environmental Sciences, Geology, Agricultural Engineering / Sciences, Water Resources Management, Environmental Economics, any relevant Social Science discipline or equivalent.
- The person has to be proficient in English and Hindi.

Desirable qualifications:

- Skills in more than one of these areas (well-logging, groundwater mapping, groundwater modeling).
- Familiarity with community-based research and experience of working with farmers in the rural area.
- CSIR/UGC-NET / GATE qualification will be preferred.

Qualifications: For SRF position

Essential qualifications:

- M.A./M.Sc./M.Tech. in Environmental Studies, Environmental Sciences, Geology, Agricultural Engineering / Sciences, Water Resources Management, Environmental Economics, any relevant Social Science discipline or equivalent.
- The person has to be proficient in English and Hindi.
- A minimum of three years of working experience / Ph.D. degree (awarded or submitted) in relevant disciplines is essential.

Desirable qualifications:

- Skills in more than one of these areas (well-logging, groundwater mapping, groundwater modeling).
- Familiarity with community-based research and experience of working with farmers in the rural area.
- CSIR/UGC-NET / GATE qualification will be preferred.
- Experience on writing project reports, journal articles, data analysis, and project management.

Last date of application: Send all documents in PDF format via email (*psharma@nalandauniv.edu.in*) by 21st April 2019.

Date of interview: It will be communicated soon to the selected candidates.

Venue of the interview: School of Ecology and Environment Studies, Nalanda University, Rajgir, Nalanda, Bihar or online via Skype.

Note: No TA/DA will be paid to the candidate for attending the interview. University reserves the right not to fill any position. No interim correspondence will be entertained. For any query/clarification, candidate may write to Dr. Prabhakar Sharma via *psharma@nalandauniv.edu.in*

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School of Ecology and Environment Studies
Nalanda University