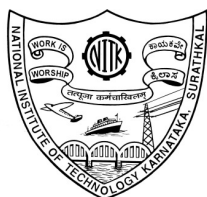


# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, Surathkal

P.O. Srinivasnagar – 575025, Mangalore, INDIA.



**Dr. Suresha S. N.**

**Assistant Professor**

**Department of Civil Engineering**

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Date: October 09, 2013

## **Project Assistant in the Department of Civil Engineering (Research Area: Transportation Engineering)**

Applications are invited from Indian nationals for the post of **Project Assistant** for the project titled **“Experimental investigation on rutting and flexural behavior of structural asphalt mixes with warm mix asphalt additives,”** sponsored under Start-Up Research Grant (Young Scientists) of **Science and Engineering Research Board (SERB), Department of Science and Technology (DST)**, Government of India.

**Brief description of the project:** Warm Mix Asphalt (WMA) is considered to be a fast emerging technology, which has a potential to replace the Hot Mix Asphalt (HMA), due to its various benefits like reduction in consumption of energy and also considerable reduction in the emission of various chemicals from the Hot Mix Asphalt plants. Other benefits of WMA include decreased fumes and odour during the production, increase in the durability of pavement layers, generation of carbon credit. The present project is intended to investigate the characteristics of structural bituminous layer mixes containing warm mix asphalt additives. The research mainly focuses on design of WMA mixtures and assessing the rutting potential under repeated application of load and cracking behavior under flexural loading.

**No of Positions:** ONE.

**Qualifications:** 1<sup>st</sup> Class B.E./B.Tech. in Civil Engineering (Preference will be given to those who have had undergraduate project related to Transportation/Highway Engineering).

**Computational Skill:** Conversant with Window /Linux Operating System, MS or any Open office tools, and Computer Aided Design and Drawing tools.

**Age limit:** 28 Years. A relaxation of 3-5 yrs will be applicable for candidates belonging to SC/ST/OBC, women and physically handicapped candidates.

**Monthly Stipend:** Rs. 8,000/- (consolidated).

**Duration:** Six months (extendable after six months basis, on review of performance).

**How to apply:** The application should contain in a single portable document file, in addition the following document should be furnished, (i) Curriculum Vitae including the phone number, email and postal address, (ii) one page write-up on the research experience, (iii) names of 2 referees with designation, postal address and email address, and (iv) arrange 2 reference letters sent via email to the Principal Investigator.

**The application can be sent via email, with subject “Application for Project Assistant-SERB-Civil Engineering,” to the Principal Investigator no later than 25<sup>th</sup> November 2013.**

Shortlisted candidates will be called for interview (**TA/DA will not be provided to attend the interview**). After satisfactory performance in the interview, the candidate will be selected for the position. The selected candidates should produce the original mark sheets as well as the category certificates (if applicable) at the time of joining.

**Expected Date of Appointment:** 1<sup>st</sup> January 2014 or earlier.

**Additional Information:** The candidate selected as Project Assistant may seek admission to pursue M.Tech (Research) Degree in Transportation Engineering (and later Doctoral Degree) at NITK after fulfilling the admission criteria and other formalities of NITK, Surathkal.

**Suresha S. N.**  
**Principal Investigator**