Applications are invited for the post of “Project Associate” on a project entitled “Development of catalyst for direct conversion of methane to olefins”. Following is the brief description of the project:

1. Name of the Post: Project Associate
2. Number of Posts: Two
3. Principal Investigators: Dr. S. M. Sontakke and Dr. P. R. Nemade
4. Title of the Project: Development of Catalyst for Direct Conversion of Methane to Olefins
5. Sponsor: GAIL (India) Ltd.
6. Honorarium: As per UGC guidelines for JRF (Rs. 16,000 + 30 % HRA). The salary will be revised to SRF position based on the performance and norms
7. Qualifications: Masters in Chemical Engineering/Technology and allied subjects with excellent academic record.
8. Duration: Three year (based on performance)

Natural gas is expected to be a potential feedstock for petrochemicals replacing crude oil in near future. Our project aims to demonstrate catalysts for the direct conversion of methane, a major component of natural gas, to olefins.

This project will give the candidate invaluable exposure to research methods, techniques and hands-on experience on tackling problems of national and industrial importance. During the course of the project, the candidate will work on developing a wide range of catalysts and their characterization using standard analytical methods such as SEM, XRD, TEM, BET, etc. Persons with knowledge of such analytical techniques are encouraged to apply. The candidate is also expected to evaluate the performance of catalysts, analysis using GC and modeling of reaction kinetics. The candidate is also expected to be knowledgeable in areas of catalysis and reaction engineering.

The candidate will be encouraged to join the department’s doctoral program subject to successful clearance of Ph.D. entrance test. However, qualifying for project associate position does not entitle the candidate for placement in GAIL (India) Ltd.

Interested candidates should send application form duly filled along with all relevant certificates and documents to ‘The Registrar, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai, 400 019’, on or before Jan 30th 2013. The envelope containing application should be labeled “Project Associate: Development of catalyst for direct conversion of methane to olefins”, ATTN: Dr. S.M. Sontakke. The candidates must also send a soft copy of all application form to sharad.ictmumbai@gmail.com with ‘GAIL MTO’ in the subject line the on or before Jan 30th 2013. Shortlisted candidates will be called for interview with prior notice. No T.A./D.A. will be given to appear for this interview.