



**NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA – 769 008(ODISHA)  
SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING  
EDUCATION**

ADV. NO:NITR/SR/EE-DRF/2013 /37 (last date revised)

Dated: 13.09.2013

Applications are invited on prescribed format available in [http://www.nitrkl.ac.in/Jobs\\_Tenders/5ProjectFellowships/Default.aspx](http://www.nitrkl.ac.in/Jobs_Tenders/5ProjectFellowships/Default.aspx) for the following assignment in a purely time bound research project to carry out research work, experiments and analysis in the Department of Electrical Engineering of the Institute.

1. Name of the Temporary Post : Senior Research Fellow
2. Name of the Research Project : **“ Development of Real-time Estimation and Filtering Algorithms with Applications to Distributed Generation ”**
3. Name of the Sponsoring Agency : DST
4. Tenure of the Project : 03 years
5. Tenure of the Assignment : 03 years
6. Job Description :
  - (i) Development of Experimental Facilities for PV & Wind Energy systems
  - (ii) Development of Algorithms for Estimation & Filtering of Distorted Power System Signals.
7. Consolidated monthly compensation / Fellowship : Rs. 18,000/- P.M. for 1<sup>st</sup> and 2<sup>nd</sup> year  
Rs. 20,000/- P.M. for 3<sup>rd</sup> year
8. Essential Qualifications and experience : M.Tech/ME, Specialisation  
Control System/Power System/Power Electronics & Drives
9. Desirable Qualifications/ Experiences :
  - Experience on good programming, Skills in MATLAB/SIMULINK,
  - Hard Ware Development on PV & Wind Energy Systems
  - Good exposure in handling Inverters, Converters & DSO
10. Accommodation : Bachelor accommodation in the Institute may be provided subject to availability.

(P.T.O)

11. For technical information on the project, the candidate may contact the Principal Investigator at the following address:

Name : Prof. Bidyadhar Subudhi  
Professor , Electrical Engineering

Address : Department of Electrical Engineering  
N.I.T., Rourkela-769 008

Telephone No : 0661-2462416(O)  
E-mail : bidyadhar@nitrkl.ac.in

Eligible candidates may apply in the prescribed format ([http://www.nitrkl.ac.in/Jobs\\_Tenders/5ProjectFellowships/Default.aspx](http://www.nitrkl.ac.in/Jobs_Tenders/5ProjectFellowships/Default.aspx)) affixed with coloured photographs to be submitted in duplicate along with photo copies of relevant certificates, grade/mark sheets, publications etc., to **Asst. Registrar, SRICCE, National Institute of Technology, Rourkela-769 008** on or **before 30.09.2013**. The cover should be super-scribed clearly the post applied for & Name of the Project.

Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be short listed based on merit and need of the project.

**Asst. Registrar (SRICCE)**

Copy to : 1) All Heads of the Departments, NIT, Rourkela for publication on Departmental Notice Boards.  
2) Prof. Bidyadhar Subudhi, Principal Investigator with a request to give wide publicity to advertisement.  
3) Head of the Department, EC  
4) Project file.  
5) Website, uploaded on \_\_\_\_\_