

Annexure-III

UNIVERSITY GRANTS COMMISSION BAHADUR SHAH ZAFAR MARG NEW DELHI-110 002.

Final Report of the work done on the Minor Research Project. (Report to be submitted within 6 weeks after completion of each year).

1. **Project report No.** 1st/2nd/3rd /Final: **Final**

2. **UGC Reference No.** F. PSW/117/09-10(ERO)

3. **Period of report:** From November, 2009 to May, 2011

4. **Title of research project:**

Mechanism and kinetics of the interactions between Pt(II) complexes and sulfur-bonding ligands
by Density Functional Theory

5.(a) **Name of the Principal Investigator:** Snehasis Banerjee

(b) **Deptt. and University/College where work has progressed:** Department of Chemistry Darjeeling
Govt. College, Darjeeling

6. **Effective date of starting of the project:** 10.11.2009

7. **Grant approved and expenditure incurred during the period of the report:**

(a) Total amount approved: Rs. 1,31,000/

Amount being sanctioned now: 1,25,500/

(b) Total expenditure Rs. 1,25,804/

8. **Report of the work done:** (Please attach a separate sheet)

(1) **Brief objective of the project:** See Annexure-A

(ii) Work done so far and results achieved and publications, if any, resulting from the work (Give details of the papers and names of the journals in which it has been published or accepted for publication:

See Annexure-B

(iii) Has the progress been according to original plan of work and towards achieving the objective if not, state reasons:

Yes the work has been progressed according to the original plan of work

(iv) Please indicate the difficulties, if any, experienced in implementing the project:

Frequent interruption of power supply posed serious difficulties in carrying out the computation. However, it was managed by using a low capacity (500kVA) inverter and a locally made battery. The necessity of a high performance UPS was strongly felt during the work.

(v) If project has not been completed, please indicate the approximate time by which it is likely to be completed. A summary of the work done for the period (Annual basis) may please be sent to the Commission on a separate sheet:

Not Applicable since the work has been completed in due time.

(vi) If the project has been completed, please enclose a summary of the findings of the study. Two bound copies of the final report of work done may also be sent to the Commission:

Summary has been enclosed

(vii) Any other information which would help in evaluation of work done on the project. At the completion of the project, the first report should indicate the output, such as (a) Manpower trained (b) Ph. D. awarded (c) Publication of results (d) other impact, if any:

The project is carried out very satisfactorily and altogether two papers have been published and two is communicated, all in International referred journals were published in the said project

SIGNATURE

OF THE PRINCIPAL INVESTIGATOR

REGISTRAR/ PRINCIPAL