

| Project and Consultancy (2010 - 2011) |                |            |                                |   |   |          |                  |
|---------------------------------------|----------------|------------|--------------------------------|---|---|----------|------------------|
| Sl. No.                               | Financial Year | Dept.      | Name of Principal Investigator | Title of the Project  | Funding Agency  | Duration | Year of Sanction |
| 1                                     | 2010-2011      | Electrical | Prof. Ashok Kumar Maitra       | Vetting of Estimates for Electrical Schemes, HAD  | Haldia Development Authority, Purba Medinipur                               | 5 Years  | 2011             |
| 2                                     | 2010-2011      | Geology    | Dr. B.P.Mukhopadhyay           | Study of Sedimentation pattern and facies development in relation to Proterozoic extensional tectonics and crustal rifting in the Alwlar basin, North Delhi Fold Belt, Rajasthan. | DST(GOI)  | 3 Years  | 2010             |
| 3                                     | 2010-2011      | CEGESS     | Prof. Hiranmoy Saha            | Solar Photovoltaic hub at BESU  | DST(GOI)  | 5 Years  | 2010             |
| 4                                     | 2010-2011      | Mining     | Prof. Pratik Dutta             | Rock Testing  | Sardip Consulting Engineers   | 1 Month  | 2011             |
| 5                                     | 2010-2011      | Civil      | Prof. Sudip Kumar Roy          | Rural Roads Pavement Performance Study  | National Rural Roads Development Agency                                     | 3 Years  | 2010             |
| 6                                     | 2010-2011      | Civil      | Dr. Chaitali Ray (P.I.)        | Geometric Nonlinear Thermo - Mechanical Analysis of FRP Bridge Deck   | DST (SERC), GOI   | 3 Years  | 2010             |
| 7                                     | 2010-2011      | ETC        | Dr. Chirasree RoyChaudhuri     | Healthy and safe home based on wireless sensor system for elderly people  | DST(GOI)  | 2 Years  | 2010             |
| 8                                     | 2010-2011      | ETC        | Dr. Santanu Das                | Design and Development of compact and wideband microchip filters using electromagnetic bandgap technology   | CSIR, New Delhi   | 3 Years  |                  |
| 9                                     | 2010-2011      | Civil      | Prof. Pranab Kumar Lai         | Vetting of estimates of Paschimanchal Unnayan Parisad, Bankura  | Paschimanchal Unnayan Parisad, Bankura                                      |          | 2010             |
| 10                                    | 2010-2011      | Civil      | Prof. Ambarish Ghosh           | Vetting of Design & Drawing in connection with RCC Intake Jetty, Bhatpara, KMDA   | Traders & Engineers Pvt. Ltd., Kolkata - 29                                 | 1 Week   | 2010             |
| 11                                    | 2010-2011      | ETC        | Prof. Baidyanath Roy           | Design of Field Programmable Analog array using current mode building block   | Dept. of Science and Technology, Govt. of India                             | 3 Years  | 2010             |
| 12                                    | 2010-2011      | Civil      | Prof. Ambarish Ghosh           | Vetting of foundation system of Rajiv Gandhi Stadium, Aizwal  | M/s Minakshi Sarkar on behalf of LLOYD INSULATIONS (I) Ltd.                 | 2 Weeks  | 2010             |
| 13                                    | 2010-2011      | IT         | Prof. Indrajit Banerjee        | Web Portal Development of Sarat Rachanabali Samagra   | Society for Natural Language Technology Research (SNLTR), Under Govt. of WB | 1 Year   | 2010             |
| 14                                    | 2010-2011      | Civil      | Prof. Ambarish Ghosh           | Development and application of potentially important jute   | Geotextiles (CFC/IJSG/21)   | 5 Years  | 2010             |

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| 15                                    | 2010-2011      | Geology   | Prof. Bhabani Prasad Mukhopadhyay                | Geohydrological investigation of water resources of howrah district to address the problematic decentralized planning of drinking water                              | Development and Planning Dept., Govt. of West Bengal           | 3 Years        | 2010             |
| 16                                    | 2010-2011      | Civil     | Prof. Ambarish Ghosh                             | Simulation testing of coal washery slurry for designing slurry ponds   | Tata Consulting Engineers Ltd.                                 | 6 Months       | 2009             |
| 17                                    | 2010-2011      | Civil     | Prof. Sujit Kumar Dalui                          | Wind Effects on Irregular Plan Shape Tall Building   | Dept. of Science and Technology, Govt. of India                | 3 Years        | 2010             |
| 18                                    | 2010-2011      | Mining    | Prof. Pratik Dutta                               | Consultancy for CBM/UGC  | Global UGC under Mitchell Group                                | 1 Year         | 2010             |
| 19                                    | 2010-2011      | Civil     | Dr. Anirban Gupta                                | Study on performance evaluation of Special Water Treatment Plants in Bihar   | United Nations Children's Fund, Kolkata.                       | 63 Days        | 2010             |
| 20                                    | 2010-2011      | Civil     | Dr. Anirban Gupta                                | Demonstration of Integrated Fluorosis Mitigation Approaches in Purulia   | United Nations Children's Fund, Kolkata.                       | 8 Months       | 2010             |
| 21                                    | 2010-2011      | Civil     | Dr. Anirban Gupta                                | Household Arsenic Mitigation Program Raichur District, Karnataka   | United Nations Children's Fund, Kolkata.                       | 1 Year         | 2010             |
| 22                                    | 2010-2011      | IT        | Prof. Arindam Biswas and Prof. Indrajit Banerjee | Training Program for School Teachers of Howrah   | Institute for Open Technology and Applications                 | 6 Days         | 2010             |
| 23                                    | 2010-2011      | CEGESS    | Dr. Hiranmay Saha                                | Development of an Intelligent Recognizer for component analysis of Manhole gas mixture   | Dept of Science & Technology, GOI                              | 2 Years        | 2010             |
| 24                                    | 2010-2011      | Aero & AM | Dr. Amit Roychowdhury                            | Scope and prospect in rehabilitation Engg.-2010 (A Short Term Course) to be held on 8-10th June 2010.  | National Institute for the Orthopaedically Handicapped & BESUS | 8-10 June 2010 | 2010             |
| 25                                    | 2010-2011      | Aero & AM | Dr. Subhasis Bhaumik                             | Development of a sensor integrated multi fingered dexterous robot hand with data glove interface   | Dept. of Atomic Energy, BRNS, Mumbai                           | 3 years        | 2010             |
| 26                                    | 2010-2011      | Civil     | Prof. Ambarish Ghosh                             | Vetting of (i) Structural Analysis and Design of Superstructure (ii) Design of Foundation System of the Structure for construction of 4th Market Complex at Siliguri | Siliguri Jalpaigury Development Authority                      | 2 months       | 2010             |

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| 27                                    | 2010-2011      | SEIHSM     | Prof. Souvanic Roy                        | Design and development of green building to accommodate students'™ dormitory and ancillary infrastructure at Digha, West Bengal.   | Students Health Home, Kolkata, West Bengal.                              | 1 year   | 2010             |
| 28                                    | 2010-2011      | Geology    | Prof. B. P. Mukhopadhyay                  | Sedimentation and Paleogeographic Model for the Late Proterozoic sequences of the Shimla Area and their sub-surface equivalents in the Himalayan Foothills of Himachal Pradesh with a view to assess their Hydrocarbon Potential | KDM Institute of Petroleum Exploration, ONGC                             | 3 years  | 2010             |
| 29                                    | 2010-2011      | Aero & AM  | Dr. Sujay K. Mukherjea                    | Modernisation of Fluid Mechanics Laboratory  | AICTE (MODROB), GOI  | 2 years  | 2009             |
| 30                                    | 2010-2011      | Civil      | Dr. K. K. Chattopadhyay                   | Over ground 36" diameter crude oil jetty line at HBCPL, Haldia   | IOCL, Pipelines Division, Pipelines-Eastern Region                       | 3 weeks  | 2010             |
| 31                                    | 2010-2011      | ETC        | Dr. C. Roy Chaudhuri / Prof. D. Mukherjee | Establishment of new National MEMS Design Centers  | National Programme on Micro and Smart Systems (NPMASS), ADA, Bangalore   | 3 years  | 2009             |
| 32                                    | 2010-2011      | Geology    | Prof. B. P. Mukhopadhyay                  | Development of Infrastructure of the Department of Geology under FIST Programme-2009   | DST, Govt. of India.   | 5 years  | 2009             |
| 33                                    | 2010-2011      | Geology    | Prof. B. P. Mukhopadhyay                  | Sedimentation and paleogeographic model for the late proterozoic sequences of the Shimla area and their sub-surface equivalents in the Himalayan Foothills of Himachal Pradesh with a view to assess their Hydrocarbon potential | KDM Institute of Petroleum Exploration, ONGC                             | 3 years  | 2010             |
| 34                                    | 2010-2011      | IT         | Dr. H. Rahaman                            | VLSI Design Centre   | DIT, Govt. of West Bengal  | 3 years  | 2010             |
| 35                                    | 2010-2011      | Met& Mat   | Dr. S. Chatterjee                         | Development of 2000 MPa Steel with 50J Min toughness at R.T.   | Ministry of Defence, Å Ord. Dev. Centre, Metal & Steel Factory, Ishapore | 2 years  | 2010             |
| 36                                    | 2010-2011      | Mechanical | Prof. Somnath Chakrabarti                 | Modeling of mass transport through arterial wall during initiation and progression of atherosclerosis  | AICTE-RPS  | 2 years  | 2010             |
| 37                                    | 2010-2011      | SMSE       | Dr. N. R. Bandyopadhyay                   | Development of High Strength Low Carbon Multiphase Steels  | Ministry of Steel, GOI, New Delhi  | 3 years  | 2009             |

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| 38      | 2010-2011      | Physics | Dr. Sukhendusekhar Sarkar      | Study of shape co-existence in 153 Ho and few-valence particle nuclei around 146 Gd Core. | UGC-DAE Consortium for Scientific Research, Kolkata Centre | 3 years  | 2009             |
| 39      | 2010-2011      | SSOHE   | Prof. Bidyut Kr. Bhattacharyya | Safety Audit: Distribution Network and Generating Station                                 | CESC-Kolkata   | 1 year   |                  |
| 40      | 2010-2011      | ETC     | Dr. Partha Bhattacharyya       | Development of a chemical sensor to monitor the spoilage of potato in the cold storage    | CSIR, New Delhi  | 3 Years  | 2010             |