

### Sanctioned projects during 2003-2004 Under Seismicity Programme

| S. No. | Project Title  | Principal Investigator/<br>Institution   | Date of Sanction | Total cost in Rs | Duration (In Months) |
|--------|--|--|------------------|------------------|----------------------|
| 1.     | Source zone characterization & site amplification behaviours in seismic microzonation  | Sh. R. Duarah<br>RRL, Jorhat- 785<br>006   | 04-06-2003       | 49,76,800/-      | 36                   |
| 2.     | Monitoring of resistivity variometer & self potential to reflect the premonitoring rupture in the focal region in the IDUKI-Kottayam districts, Kerala before large earthquake | Dr. N.<br>Ramanujam, Prof.<br>& Head, D/o<br>Geology &<br>Research Centre,<br>V.O.<br>Chidambaram<br>College,<br>Tuticorin- 628<br>008 | 16-06-2003       | 10,07,500/-      | 36                   |
| 3.     | Assessing the Seismic response of Structures by Low Amplitude Ambient Characteristics  | Dr. D.S. Prakash,<br>D/o Civil Engg.,<br>Univ. College of<br>Engineering,<br>Osmania Univ.,<br>Hyderabad- 500<br>007                   | 14-07-2003       | 25,70,458/-      | 36                   |
| 4.     | Site Characterisation and Liquefaction Assessment of Delhi region.   | Dr. K.S. Rao, D/o<br>Civil Engg., IIT,<br>New Delhi- 110<br>016  | 15-07-2003       | 73,09,000/-      | 36                   |
| 5.     | Mapping of Lineament, Morphotectonics and their relation with seismicity in  | Dr. R. K. Sood,<br>Jt. Member<br>Secretary, State  | 18-07-2003       | 8,25,000/-       | 24                   |

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|    | Punjab Re-entrant, H.P.   | Council for Science, Technology & Environment, 34 SDA Complex, Kasumpti, Shimla-9.   |            |             |    |
| 6. | Geotechnical and site response studies of Greater Bangalore region                                      | Prof. B.R. Srinivasa Murthy, D/o Civil Engg., IIS, Bangalore-560 012   | 07-08-2003 | 49,74,000/- | 36 |
| 7. | Geophysical studies over some seismically active region of NE India by using magnetotelluric techniques | Dr. S.G. Gokaran, IIG, Sector-18, Plot 5, Near Victoria Petrol Pump, Near Kalambali Highway, Near Panvel, Navi Mumbai- 410 218 | 09-08-2002 | 95,69,010/- | 36 |
| 8. | Monitoring & study of seismic activities in Kerala-upgradation of seismic observatories of KSE Board    | Smt. M.K. Radhamani, Director, Research Organization, Kerala State Electricity Board, Pallom, Kottayam 686 007                 | 18-08-2003 | 25,64,000/- | 36 |
| 9. | Lithospheric structure and seismogenesis in Sikkim Himalayas from active                                | Dr. Dipankar Sarkar, NGRI, Uppal Road,   | 13-08-2003 | 1,43,22,400 | 36 |

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|     | (Refraction) and Passive seismological experiments   | Hyderabad- 500 007   |            |             |    |
| 10. | Active faults and neotectonic activity (with reference to seismic hazards) in parts of the frontal Himalaya and the piedmont zone between ravi and Yamuna Rivers (AFNAH) | Dr. N.S. Virdi, WIHG, 33- Gen. M.S. Road- Dehradun- 248 001  | 08-09-2003 | 12,48,000/- | 36 |
| 11. | Installation of strong Motion array in Guwahati for site characterization & Instrumentation of multi-storied buildings at Guwahati                                       | Dr. S.K. Deb, D/o Civil Engg., IIT- Guwahati- 781 039  | 26-09-2003 | 96,37,000   | 36 |
| 12. | Broadband seismometry in the NE region with special emphasis to Guwahati for seismic hazard assessment.  | Dr. S. K. Nath, D/o Geology & Geophysics, IIT, Kharagpur- 721 302.   | 13-10-2003 | 72,00,000   | 36 |
| 13. | Public awareness & training programme on pre and post earthquake strategies in Rajasthan   | Brig (retd.) P.K. Bhatnagar, The Creative Center for Rural development (CCRD), 156 Ansal Chamber II, 6 Bhikaji Kama Place, New Delhi- 110 066. | 06-11-2003 | 5,79,000/-  | 12 |
| 14. | Training and public Awareness on earthquake hazard preparedness & mitigation in Manipur and Adjoining Nagaland, Assam and Mizoram  | Dr. Arun Kumar D/o Earth Sciences, manipur University, Canchipur,  | 06-11-2003 | 7,00,000/-  | 12 |

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|     |  | Imphal- 795 003   |            |             |    |
| 15. | Neotectonic activity in the Interfluvial regions of the Upper Gangetic Plains  | Dr. B. Prakash,<br>D/o Earth Sciences, IIT,<br>Roorkee- 246 667                               | 14-11-2003 | 17,71,850/- | 36 |
| 16. | Preparation of a feasibility report on “design fabrication of a high resolution laser based three axes computerized seismometers | Prof. P.V. Koparkar,<br>University Science Instrumentation Centre, NEHU,<br>Shillong- 793 022 | 09-12-2003 | 60,000/-    | 6  |
| 17. | Procurement of spares and accelographs for 10 BBS observatories in the Indian Peninsular shield                                  | Dr. R.K. Chadha,<br>Scientist, NGRI,<br>Uppal Road,<br>Hyderabad- 500 007                     | 12-12-2003 | 1,07,00,000 |    |
| 18. | Himalayan Seismic Hazard evaluation: An application of Luminescence dating of sand blows of north Bihar                          | Dr. R.K. Gartia<br>D/o Physics,<br>Manipur University,<br>Imphal- 795 003                     | 19-12-2003 | 7,00,000/-  | 36 |
| 19. | Neotectonics and seismic hazard assessment in the Kashmir Valley   | Dr. M.I. Bhat,<br>D/o geology & geophysics,<br>university of Kashmir,<br>Srinagar- 190 006    | 02-01-2004 | 44,46,800/- | 36 |
| 20. | Study of seismic events in Bist/Doab Area of Punjab using soil geomorphic and sedimentological approach                          | Dr. G.S. Gill,<br>CAS in geology,<br>Punjab University,<br>Sector-14,                         | 13-02-2004 | 11,42,806/- | 36 |

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|     |  | Chandigarh- 160<br>014   |            |             |    |
| 21. | Geospot model on Earthquake  | Dr. T.K. Das, D/o<br>Physics, ND<br>College, 129<br>Belilios Road,<br>Howrah                         | 23-02-2004 | 9,74,600/-  | 36 |
| 22. | 3D modeling of Subsurface<br>data and Tectono-<br>Geomorphologic studies in<br>relation to Seismicity and<br>Hydrology for National Capital<br>Territory region of Delhi | Prof. C.S. Dubey,<br>D/o Geology,<br>University of<br>delhi, Delhi- 110<br>007.                      | 03-03-2004 | 74,15,523/- | 36 |
| 23. | Geotechnical Investigation for<br>preparation of N-value Contour<br>map of Guwahati City   | Dr. P.J. Hazarika,<br>D/o Civil Engg.,<br>Assam<br>Enngineering<br>College,<br>Guwahati- 781<br>013. | 05-03-2004 | 26,70,000/- | 12 |
| 24. | Integrated remote sensing and<br>seismic hazard studies around<br>Pithoragarh and its surrounding<br>region, Kumaun Himalaya,<br>Uttaranchal                             | Dr. R.C. Patel,<br>D/o Earth<br>sciences,<br>Kurukshetra<br>University,<br>Kurukshetra- 136<br>119.  | 24-03-2004 | 12,34,800/- | 36 |