Ph D and Post graduate thesis guidance

Prof. Ambarish Ghosh, Dept. of Civil Engineering, IIEST, Shibpur

Sl. No.	*Name of Student(s)*	*Title of the Dissertation(s)*	*Status [Awarded (with date) / Submitted (with date) / ongoing]*
1	Ashis Kumar Bera	Engineering Characteristics of Pond Ash and Bearing Capacity of Footing on Unreinforced and Reinforced Pond Ash	Awarded on December 12,2005
2	Sujit Kumar Pal	Geotechnical Properties of Class F Fly Ash Mixed with Montmorillonite Clay and Development of Correlations for Design Parameters	Award on January 25,2010
3	Ritwik Chakraborty	Analysis of Contaminant Migration Through Porous Media Using FDM and Development of Design Charts for Liner	Award on December 22, 2012
4	Swapan Kumar Bagui	Geometric Design and Economics of Antiglare Screen Barrier	Awarded on November 12,2014
5	Swati Saha	Use of Biological Resources in Biodiversity Region of Sundarban West Bengal- Sustainable or Not	Award on September 28, 2015
6	Ashimanta Sengupta	Application of fly ash and Geotextiles in Road Pavement for Improvement of Bearing Ratio of Soft Soil Subgrade	Award on July 13, 2017
7	Nishtha Srivastava	Site Characterization vis-à-vis Surface Consistent Seismic Hazard Microzonation for the city of Kolkata, India	Awarded on January 08, 2018
8	Indrajit Chowdhury	Dynamic Soil Structure Interaction and some Solutions in Elastic Domain under Earthquake Force	Submitted on June 27, 2017
9	Suipia Khatun	Analysis of River Bank Erosion and Development of Protective Measure	Ongoing
10	Rupa Chakrabarty	Electrokinetic Remediation of Soil Contaminated with Heavy Metals	Ongoing
11	Bikas Chowdhury	Estuarine and River Management Through Symbiosis of Engineering Interference (Dredging, River Training) and Remote Sensing with Reference to Hugli Estuary	Ongoing
12	Champakali Das	Development of Road Materials for Sub Grade and Sub Base using Brahmaputra River Bed Materials	Ongoing
13	Ranjan Mahapatra	Stability Analysis of Submerged Slope in Dredged Channel and Prediction of Navigable Depth in Estuarine Environment	Ongoing
14	Sanjib Das	Study on Diaphragm Walls Under Static and Dynamic Loading	Ongoing
15	Rituparna Dey	Study on the effects of Construction Induced Vibrations	Ongoing
16	Tanumaya Mitra	Behaviour of Pile Subjected Seismic Loading	Ongoing
17	Vinoth. B	Liquefaction Analysis and Development of Mitigation Strategy using Ground Improvement	Ongoing

(a) Details of Master Students Guided and Ongoing **(58completed)**

1. Electrokinetic remediation of Contaminanted site by Adamya Chatterjee, 2018.
2. Slope stability analysis by Swarnendu Mondal, 2018.
3. Study on wave propagation on Construction Induced Vibration by Vinoth B 2017.
4. Experimental study on Under-reamed Piled Raft Foundation by P. Sashidhar 2017.
5. Liquifaction Hazard Mitigation by Tanumaya Mitra, 2016
6. Construction Induced Vibrations by Subhaprasad Chakraborty, 2016
7. Stabilty of rock slope in underground excavation by rock bolting by Sudip Kumar Koley, ongoing. 2016
8. Pile Raft Foundation by Kaushik Bhattacharya, ongoing 2016
9. Deep Excavation by Biplab Debnath, ongoing, 2016
10. Study on the behavior of pile raft foundation in cohesive soil by Rituparna Dey, 2015
11. Soil stratification of Kolkata, Liquefaction Analysis and Hazard Mitigation by Debarshi Das, 2015
12. Study on the Effect of Hydraulic Factors Causing Failure of Earthern Levees by Mousumi Kundu, 2015
13. Study of Failure of Earthern Levee Due To Seepage by Raghu Nath Chakrabarty, 2015
14. Development Strategy for Earthern Environment by Prodyot Kumar Manna, 2015
15. Numerical Modelling and Parametric Study of Deep Excavation by Maitrayee Sur, 2014
16. Design and Analysis of Prefabricated Vertical Drain by Sanghati Mutsuddi, 2014
17. Heavy Metal Extraction from Contaminated Clayey Soil by Electrokinetic Cell, Surya Kanta Prusty
18. Analysis of Piled Raft Foundation by Arup Goswami, 2014
19. Liquefaction Hazard Mitigation using Stone Column by Somnath Kundu, 2014
20. Preloading and prefabricated Vertical Drain for consolidation of soft clay by Swarup Dandapat, 2013
21. Evaluation of Liquefaction based on SPT value and Shear wave velocity by Kausik Bera, 2013
22. Isolation of Construction Induced Vibration by Sayantan Chakraborty, 2013
23. Analysis of Diaphragm Embedded in Clayey Soil Using Finite Element Based Software by Anuradha CHakraborty, 2013
24. Ground Vibration due to Vibratory Type Driving of Sheet Piles by Ujwal Mandal, 2013
25. Electrokinetic Remediation of Soil Contaminated with Organic Compound by Dipa Mukhopadhyay, 2013
26. Analysis and Design of Geotextile Tubes for Civil Engineering Applications, Sudhanwa Pal, 2012
27. Development of Site Specific Response Spectra, Susmita Majumder, 2012
28. Heavy Metal Extraction from the Contaminated Soil by Electrokinetic Cell, Mahadeb Das, 2012
29. Study on Construction Induced Vibration and Remediation Avisek Dey, 2012
30. Ground Improvement for Liquefaction Hazard Mitigation by Debasish Saha, 2011

31. Assessment of Liquefaction for Seismic Microzonation, Kanchan Kumar Karak, 2011
32. Analysis and Design of Waste Containment Liner, Champakali Das, 2011
33. Study on Deep Excavation, Sumit Guha, 2010
34. Effects of Ground Improvement on Dynamic Properties of Soils, Subhas Ranjan Ghosh, 2010
35. Experimental studies on dynamic properties of soils, Sashanka Sekhar Sarkar, 2009
36. Hydrodynamic Design Aspects of Geotextile, Ranjan Mahapatra, 2008
37. Effect of Ground Improvement on Slope Stabilization under Static and Dynamic Loading, Soumya Roy, 2008
38. Characteristics and Remediation of Contaminated Soils, Siva Prasad Thylamu, 2007
39. Evaluation of Liquefaction Potential of Soil by Down Borehole Method, Sumit Ghosh, 2007
40. Analysis and Design of Geotubes in Civil Engineering Applications, Debabrata Sardar, 2007
41. Application of Pond Ash in Roads, Debasish Ghosh, 2006
42. Study on the Application of Fly ash and Geotextiles in Road Construction, Utpal Dey, 2006
43. Study on the Factors Controlling Contaminant Transport Mechanism, Sandip Krishna Saha, 2006
44. Bearing Capacity of Footing on Layered Soil, Moumita Patra, 2005
45. Fly Ash as Base Course Material, Subhabrata Goswami, 2004
46. Study on the Compatibility of Geosynthetic Clay Liner, Diptendra Das, 2004
47. Stress Strain Characteristics of Fly ash, Jakir Hossain Mallik, 2004
48. Modelling for Dynamic Response of Foundation on Pond Ash, Prakash Verma, 2004
49. Development of Liner Material Using Geotextiles, Apurba Chandra Koner, 2003
50. An Appraisal on Liner Design, Mohini Mohan Manna, 2003
51. A Review on Application of Geosynthetics and its Design Aspects, Ashanul Haque, 2002
52. Finite Difference Method For Calculation of One-Dimensional Pollutant Migration In Soil, Ritwik Chakraborty, 2002
53. Development of Liner Material, Samsuddin Khan, 2002
54. Bulk Density of Dredged Material, K. Srinivas Kumar Patra, 2001
55. Pollutant Migration Through Clay Liner, Debasish Chattopadhyay, 2001
56. Development of a New Waste Containment Liner Material, Abhijit Basu, 2001
57. Effect of Curing on Strength Behaviour of Stabilized Fly Ash, Abhijit Chakraborty, 2000.
58. The Study on the Hydraulic Conductivity Characteristics of liner Material, Amit Sengupta, 2000

ANNEXURE B - List of Publications

(i) SCI International Journals (22+ 4 SCOPUS)

1. Sankar Kumar Nath & Nishtha Srivastava & Chitralekha Ghatak & Manik Das Adhikari & Ambarish Ghosh & S. P. Sinha Ray (2017). "Earthquake induced liquefaction hazard, probability and risk assessment in the city of Kolkata, India: its historical perspective and deterministic scenario". Journal of Seismology, Springer, DOI 10.1007/s10950-017-9691-z.

2. Chowdhury, Indrajit., Tarafdar, Ronkoyel., Ghosh, Ambarish., Dasgupta, Shambhu Pada (2017), Dynamic Soil Structure Interaction of Bridge Piers Supported on Well Foundation, Journal of Soil Dynamics and Earthquake Engineering, Volume 97, June 2017, Pages 251-265.

3. Chowdhury, Indrajit., Tarafdar, Ronkoyel., Ghosh, Ambarish., Dasgupta, Shambhu Pada (2017) "Seismic response of rectangular liquid retaining structures resting on ground considering coupled soil-structure interaction". Bulletin of Earthquake Engineering, Springer, DOI 10.1007/s10518-017-0097-7 , Volume 15, issue 9, Pages 3695-3726.

4. Chowdhury, Indrajit., Tarafdar, Ronkoyel., Ghosh, Ambarish., Dasgupta, Shambhu Pada (2016) "Dynamic response of cylindrical structures considering coupled soil-structure interaction under seismic loading. Bulletin of Earthquake Engineering" Bulletin of Earthquake Engineering, Springer, DOI 10.1007/s10518-016-9909-4). ISSN 1570-761X. Volume 14, issue 8, Pages 2329-2360.

5. Chakraborty, Ritwik, Ghosh, Ambarish, Ghosh, Sudipta and Mukherjee, Somnath. (2015). Evaluation of contaminant transport parameters for hexavalent chromium migration through soil media. J. Environmental Earth Sciences, **Springer** (DOI 10.1007/s12665-015-4586-1). Vol. 74(7), pp. 5687-5697.

6. Pal, Sujit and Ghosh, Ambarish. (2014). Volume Change Behavior of Fly Ash–Montmorillonite Clay Mixtures, **ASCE**, International Journal of Geomechanics, Vol. 14 (1), pp 59-68.

7. Chakraborty, Ritwik and Ghosh, Ambarish. (2013). Three- Dimensional Analysis of Contaminant Migration through saturated Homogeneous Soil Media using FDM, **ASCE**, International Journal of Geomechanics, Vol. 13 (6), pp 699-712.

8. Chakraborty, R., and Ghosh Ambarish (2011), Finite Difference for Computation of 1 – D Pollutant Migration Through Saturated Homogeneous Soil Media, **ASCE**, International Journal of Geomechanics, 11(1), 12-22.

9. Ambarish Ghosh (2010), Compaction Characteristics and Bearing Ratio of Pond Ash Stabilized with Lime and Phosphogypsum, **ASCE**, Materials in Civil Engineering Division, 22(4), 343-351.

10. Ashis Kumar Bera, Ambarish Ghosh and Amalendu Ghosh (2009), Shear Strength Response of Reinforced Pond Ash, Construction and Building Material, Elsevier, Vol.(23), No. 6, pp. 2386-2393.

11. Ambarish Ghosh and Utpal Dey (2009), Bearing Ratio of Reinforced Fly Ash Overlying Soft Soil And Deformation Modulus of Fly Ash, Journal of Geotextiles and Geomembranes, **Elsevier**, Vol. 27, No. 4, 313-320.

12. Ashis Kumar Bera, Soumendra Nath Chanda, Amalendu Ghosh and Ambarish Ghosh (2009), Unconfined compressive strength of fly ash reinforced with Jute Geotextiles, Journal of Geotextiles and Geomembranes, **Elsevier,** 27 (5), 391-398.

13. Ambarish Ghosh and Chillara Subbarao (2007). Strength Characteristics of Class F Fly Ash Modified with Lime and Gypsum, **ASCE**, Geotechnical and Geoenvironmental Engineering Division, Vol.133, No. 7, 757-766.

14. Ashis Kumar Bera, Ambarish Ghosh and Amalendu Ghosh, (2007) Compaction Characteristics of Pond Ash, **ASCE**, Materials in Civil Engineering Division, Vol.19, No. 4, 349-357.

15. Ambarish Ghosh and Chillara Subbarao (2006). Leacing of Lime from Fly ash Stabilized with Lime and Gypsum, **ASCE**, Materials in Civil Engineering Division, Vol.18, No. 1, 106-115.

16. Ambarish Ghosh and Chillara Subbarao (2006). Tensile Strength Bearing Ratio and Slake Durability of Class F Fly ash Stabilized with Lime and Gypsum, **ASCE**, Materials in Civil Engineering Division, Vol.18, No. 1, 18-27.

17. Amalendu Ghosh, Ambarish Ghosh and Ashis Kumar Bera (2005). Bearing Capacity of Square Footing on Pond Ash Reinforced with Jute – Geotextile, Journal of Geotextiles and Geomembranes, **Elsevier,** Vol. 23 No. 2, 144-173

18. Ashis Kumar Bera, Ambarish Ghosh and Amalendu Ghosh (2005). Regression Model for Bearing Capacity of a Square Footing on Reinforced Pond Ash, Journal of Geotextiles and Geomembranes, **Elsevier,** Vol (23), No. 3, 261-285.

19. Ambarish Ghosh and Chillara Subbarao (2001). Microstructural Development of Fly ash Modified with Lime and Gypsum, **ASCE**, Materials in Civil Engineering Division, Vol.13, No. 1, pp. 65-70.

20. Ambarish Ghosh and Chillara Subbarao (1998). Hydraulic Conductivity and Leachate Characteristics of Stabilized Fly ash, **ASCE**, Environmental Engineering Division, Vol. 124, No. 9, pp. 812-820.

21. Bagui,S.K. and Ghosh,A. (2012). "Traffic and Revenue Forecast at Risk for a BOT Road Project". Korean Society of Civil Engineering, **Springer**, 16(6),905-912

22. Bagui,S.K. and Ghosh,A. (2012). "Uses of Anti-Glare Screen Barrier in Economic, Financial Analysis and Determination of Optimal Debt Capacity Ratio for a Road Project, Korean Society of Civil Engineering, **Springer**, 16(7),1104-1114

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23. R. P. Dubey, Ambarish Ghosh, Tanumaya Mitra, Bikas Choudhuri, S. N. Ghosh & Supia Khatun (2017). Stability Analysis of River Dyke in Estuarine Environment, Indian Geotechnical Journal, **Springer**. Vol. 47(3), pp 349–363

24. Chowdhury Indrajit, Ghosh Ambarish, and Dasgupta Sambhu Pada (2015), Stiffness Degradation and Damping Augmentation of Soil Under Earthquake Loading, **EJGE**, Vol. 20(9), pp. 3851-3874.

25. Chowdhury Indrajit, Ghosh Ambarish, and Dasgupta Sambhu Pada (2016), Dynamic Soil Structure Interaction of Structures Resting on Soil, **Springer**, Indian Geotechnical Journal, Vol. 46 (1), pp 85-103.

26. Pal S. K. and Ghosh A. (2013). Hydraulic Conductivity of Fly Ash- Montmorillonite Clay Mixtures, **Springer**, Indian Geotechnical Journal. Vol. 43(1)pp 47–61

Other than SCI International Journals (15)

27. Sengupta, A., Mukherjee, A. and Ghosh, A. (2017). "Improvement of Bearing Ratio of Clayey Subgrade Using Compacted Flyash Layer". Geotechnical and Geological Engineering, Springer, DOI 10.1007/s10706-017-0179-y, 35(4), 1885-1894.

28. Chakraborty, Ritwik and Ghosh, Ambarish. (2012). "Analysis of 1D contaminant migration through saturated soil media underlying aquifer using FDM." Journal of Hazardous, Toxic, and Radioactive Waste Mgmt., **ASCE**, 16(3), 229-242.

29. Ambarish Ghosh and Chillara Subbarao (2011). Deformation Modulus of Fly Ash Modified with Lime and Gypsum, Geotechnical and Geological Engineering, **Springer** Netherland, Online First,

8 November 2011.

30. S. Ghosh, S. P. Mukherjee, R. B. Sahu, A. Ghosh, N. Som (2008), A study on Ground improvement by Micropiles by Laboratory and field tests, **ICE, UK**, Ground Improvement. Vol.161, No. 2, 89-102.

31. Ashis Kumar Bera, Ambarish Ghosh and Amalendu Ghosh (2008), Bearing Capacity of Square Footing on Reinforced Pond Ash, Ground Improvement, **ICE, UK,** Vol.161, No. 1, 17-22.

32. Ashis Kumar Bera, Ambarish Ghosh and Amalendu Ghosh (2007), Behaviour of Model Footing on Pond Ash, Geotechnical and Geological Engineering, **Springer,** Netherland, Vol. 25, No. 3, 315-325.

33. Ambarish Ghosh and Chillara Subbarao (2001). Discussion on Micro-structural Development of Stabilized Fly Ash as Pavement Base Material, **ASCE**, Materials in Civil Engineering Division, Vol.13, No. 4, pp. 316-317.

34. Bagui,S.K. and Ghosh,A. (2013). "Support Loan Concept." Jordan Journal of Civil Engineering, (1), 17-25.

35. Bagui,S.K. and Ghosh,A. (2013). "Optimization of Antiglare Screen Barrier Cost". Jordan Journal of Civil Engineering, 7(2)

36. Bagui,S.K. and Ghosh,A. (2012). "Uses of Anti-Glare Screen Barrier in Economic, Financial Analysis and Determination of Optimal Debt Capacity Ratio for a Road Project, Korean Society of Civil Engineering,16(7),1104-1114

37. Bagui,S.K. and Ghosh,A. (2012). "Evaluation of NPV at Risk."Jordan Journal of Civil Engineering, 6(2), 243-254.

38. Swapan Kumar Bagui and Ambarish Ghosh (2012), Economic and financial analysis for polymer modified bitumen, Malaysian Journal of Civil Engineering 24(1), pp. 96-106.

39. Swapan Kumar Bagui and Ambarish Ghosh (2011), Three Dimensional Analysis for Determination of Anti- glare Screen Barrier Height, Jordan Journal of Civil Engineering, Vol 5, No. 4, pp. 468-479.

40. Swapan Kumar Bagui and Ambarish Ghosh (2011), Risk Analysis for a BOT Project, Jordan Journal of Civil Engineering, Vol 5, No. 3, pp. 330-342.

41. Ambarish Ghosh and Chillara Subbarao (1997). Fly ash Management by Stabilization, Journal of Solid Waste Technology and Management, Vol. 24, No. 3, pp. 126-130.

National Journals (07)

42. Swapan Kumar Bagui and Ambarish Ghosh (2011). Development of Model for Optimum Debt Capacity Ratio for a Road Project, Indian Highways of Indian Road Congress, August, pp. 27-31.

43. Swapan Kumar Bagui and Ambarish Ghosh (2011), Modification of Stopping Sight Distance and Length of Crest Vertical Curve Using Air Resistance and Drag Force Parameters, Indian Highways, January, pp. 21-29.

44. Swapan Kumar Bagui and Ambarish Ghosh (2010), Economic Analysis for Selection of some Important Engineering Parameters in Highway Engineering, Indian Highways, July, pp. 59- 69.

45. Bagui, S.K.and Ghosh,A.(2010b). "Technical and Financial Parameters Effect Concession Period: A Case." Indian Journal of Finance.4 (8), 24-30.

46. Bagui, S.K.and Ghosh,A.(2009). "Visual System and Glare." Journal of Indian Highways, 37(8), 13-21.

47. Swapan Kumar Bagui and Ambarish Ghosh (2009). Development of Guidelines for Median Barrier, Anti-Glare Screen and Anti-Glare Screen Height for Unsymmetrical Curve, Indian Highways, April, pp. 33-50.
48. Bagui, S.K., Ghosh, A., and Jha, S. R. (2004). "Highway Design Considering Glare." Journal of Indian Highways, 32(12), 19-28.

(b) Paper(s) Publication in National / International Conference(s) (**55**)

49. Champakali Das and Ambarish Ghosh (2017), Shear Strength Behaviour and Regression Analysis of Cement Stabilized River Bed Material for Use in Subgrade". IGC 2017 – GeoNEst Geotechnics for Natural and Engineered Sustainable Technologies, IIT Guwahati, Dec 13-17.
50. Rituparna Dey, Vinoth B and Ambarish Ghosh (2017), Assessment of Ground Vibration due to Installation of Pile Casing-A Case Study, IGC 2017 – GeoNEst Geotechnics for Natural and Engineered Sustainable Technologies, IIT Guwahati, Dec 13-17.
51. Ambarish Ghosh and Rituparna Dey (2016) Study on the Behaviour of Pile-Raft Foundation in Cohesive Soil, 19th Southeast Asian Geotechnical Conference & 2nd AGSSEA Conference (19SEAGC & 2AGSSEA) Kuala Lumpur 31 May – 3 June 2016.
52. S. Khatun, Ambarish Ghosh and D. Sen (2016), Influence of Non-Homogeneous Moisture Content on Strength Reduction and Stability of River Bank, 19th Southeast Asian Geotechnical Conference & 2nd AGSSEA Conference (19SEAGC & 2AGSSEA) Kuala Lumpur 31 May – 3 June 2016.
53. Ambarish Ghosh and Subhoprasad Chakraborty (2016) Construction Induced Vibration During Sheet Pile and Pile Driving in Deep Excavation, 6th Conference on Deep Foundation Technologies for Infrastructure Development in India, September 8-10, 2016, IIEST Shibpur, India.
54. Sankar Nath, Chitralekha Ghatak, Ambarish Ghosh and Tanumaya Mitra, Tarun Sengupta and Sajib Das (2016), Site Specific Study for Foundation Design of Iswar Gupta Bridge, 6th Conference on Deep Foundation Technologies for Infrastructure Development in India, September 8-10, 2016, IIEST Shibpur, India.
55. Indrajit Chowdhury, Rituparna Dey and Ambarish Ghosh (2016), Dynamic Response of Short Piles under Lateral Transient Load, 6th Conference on Deep Foundation Technologies for Infrastructure Development in India, September 8-10, 2016, IIEST Shibpur, India.
56. Das. C and Ghosh. A (2016), "Characterization of the River Bed Materials for Use in Construction of Road Embankment in NE-India Region" in the "Proceedings of the National Seminar on Geotechnics for Infrastructure Development", Indian Geotechnical Society, Kolkata, 11th and 12th March, 2016, Jadavpur, Kolkata, India.
57. Das. Champakali and Ghosh. Ambarish (2016), "Strength characterization of Sub grade soil stabilized with Crusher dust", Proceedings of the National Level Conference on Engineering Problems and Application of Mathematics, NIT, Agartala, India
58. Rituparna Dey, Champakali Das and Ambarish Ghosh (2016),"Performance evaluation of Stabilized Brahmaputra river bed materials" Research Scholars Colloquium 2016, IIEST, Shibpur, 71-72, ISBN: 978-93-80813-44-8.
59. Ambarish Ghosh and Subhoprasad Chakraborty (2016) "Construction Induced Vibration During Sheet Pile Driving", Indian Geotechnical Society, Kolkata Chapter Geotechnics For Infrastructure Development 11th – 12th March 2016, Kolkata, West Bengal, India.
60. Rituparna Dey and Ambarish Ghosh, (2016) "Experimental Investigation on Behaviour of Pile-Raft

Foundation", Indian Geotechnical Society, Kolkata Chapter Geotechnics For Infrastructure Development 11th – 12th March 2016, Kolkata, West Bengal, India.

61. Tanumaya Mitra and Ambarish Ghosh, (2016) "Ground Response and Liquefaction Analysis", Indian Geotechnical Society, Kolkata Chapter Geotechnics for Infrastructure Development 11th – 12th March 2016, Kolkata, West Bengal, India.
62. Supia Khatun, Ambarish Ghosh and Dhrubojoyti Sen, (2016) "Impact Of Water Level Fluctuation on River Bank Stability", Indian Geotechnical Society, Kolkata Chapter Geotechnics for Infrastructure Development 11th – 12th March 2016, Kolkata, West Bengal, India.
63. Chowdhury, Indrajit., Tarafdar, Ronkoyel., Ghosh, Ambarish (2015). "An Analytical Solution to Kinematic & Inertial Interaction of Buildings with Deep Basement", SMiRT- 23, Manchester, United Kingdom, August 10-14, 2015.
64. Chakraborty, R., Adak, A., and Ghosh, A. (2015), "Electrokinetic Remediation of Chromium Contaminated Soil", Proceedings of 50th Indian Geotechnical Conference (IGC 2015), at College of Engineering, Pune, India, December 17 – 19, 2015 (In CD: Paper ID - 342).
65. Das, D., and Ghosh, A. (2015), "Liquefaction Analysis of Alluvial Soil Deposit" Proceedings of 50th Indian Geotechnical Conference (IGC 2015), at College of Engineering, Pune, India, December 17 – 19, 2015 (In CD: Paper ID - 66).
66. Khatun, S., Ghosh, A., and Sen, D. (2015), "Influence of Geotechnical Properties and Fluvial Characteristics for Planning And Designing Of River Bank Protection Measure" Proceedings of 50th Indian Geotechnical Conference (IGC 2015), at College of Engineering, Pune, India, December 17 – 19, 2015 (In CD: Paper ID - 454).
67. Sengupta, A., Mukherjee, S., and Ghosh, A. (2015), "Improvement of Bearing Ratio For Clayey Subgrade Overlaid By Compacted Fly Ash And Geotextile At Interface" Proceedings of 50th Indian Geotechnical Conference (IGC 2015), at College of Engineering, Pune, India, December 17 – 19, 2015 (In CD: Paper ID - 189).
68. Pal, S. K. and Ghosh Ambarish (2011), Compaction and Hydraulic Conductivity Characteristics of Indian Fly Ashes, Proceedings of Indian Geotechnical Conference, December 15-17, 2011, Kochi, pp. 773 -776.
69. Chakraborty, R. and Ghosh Ambarish (2011), Design of Earthen Barriers using Finite Difference Method, Proceedings of Indian Geotechnical Conference, December 15-17, 2011, Kochi, pp. 851 - 854.
70. Ghosh, Ambarish, Chaudhuri, B., Mahapatra R., and Pal Sudhanwa (2011), Design Analysis and Installation of Geotextile Tube in Civil Engineering Application, Proceedings of the National Seminar on Geotechniques for Construction, Design and Performance of Structures, Indian Geotechnical Society, Kolkata Chapter, September 09-10, pp. 135-139.
71. Ghosh, Ambarish, and Majumder, Susmita (2011), Site Specific Response Spectrum – An Overview, Proceedings of the National Seminar on Geotechniques for Construction, Design and Performance of Structures, Indian Geotechnical Society, Kolkata Chapter, September 09-10, pp. 83-87.
72. Chattopadhyay, K. K., Ghosh, Ambarish, Saha, Debasish, Karak, Kanchan Kumar, and Sarkar, Arup (2011), Shear Wave Velocity of different Fill Materials, Proceedings of the National Seminar on Geotechniques for Construction, Design and Performance of Structures, Indian Geotechnical Society, Kolkata Chapter, September 09-10, pp. 77-82.

73. Ghosh, Ambarish, Saha, Karak, Kanchan Kumar, Debasish, and Sarkar, Arup (2011), Liquefaction Resistance of Kolkata Soil Deposit, Proceedings of the National Seminar on Geotechniques for Construction, Design and Performance of Structures, Indian Geotechnical Society, Kolkata Chapter, September 09-10, pp. 72-76.
74. Chakraborty, Ritwik And Ghosh, Ambarish (2011), Decontamination of Pollutants from the Contaminated Site using FDM, Proceedings of the 14th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, Hong Kong, China, 23-27 May.
75. Pal, S. K. And Ghosh, Ambarish (2011), Correlation to Assess Angle of Internal Friction of Fly Ash, Proceedings of the 14th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, Hong Kong, China, 23-27 May.
76. Pal, S. K. And Ghosh, Ambarish (2010), Influence of Physical Properties on Engineering Properties of Class F Fly Ash, Proceedings of the Indian Geotechnical Conference – 2010, December 16-18, IIT Bombay, Mumbai, India,pp. 361-364.
77. Chakraborty, Ritwik and Ghosh, Ambarish (2010), Computation of Sodium and Chloride through Layered Soil Media using FDM, Proceedings of the Indian Geotechnical Conference – 2010, December 16-18, IIT Bombay, Mumbai, India,pp. 813-816.
78. Sumit Ghose and Ambarish Ghosh (2010), Evaluation of Liquefaction Potential of Soils by Down Borehole Method, Fifth International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, May 24-29, 2010, San Diego, California, USA.
79. Ambarish Ghosh and Sumit Guha (2010), Analysis and Design of Braced Excavation under Static and Seismic Loading Using FEM. National Seminar on Geohazards of Underground Structures, Geotechnical Study Circle, Kolkata, May 07-08, 2010, pp. 18-24.
80. Sujit Kumar Pal and Ambarish Ghosh (2009), Shear Strength Behaviour of Indian Fly Ashes, Proceedings of the Indian Geotechnical Conference – 2009, pp. 18-22.
81. Bagui,S.K. and Ghosh,A.(2009c). "Financial Analysis for Providing Antiglare Screen and Selection of Future Widening Scheme to Avoid Glare."Seminar Public Private Participation Highway Sector, Organized by Indian Roads Congress, New Delhi, Held 28-29 th August,2009,Pg I-63 - I- 67
82. Bagui,S.K. and Ghosh,A.(2009d). "Risk Allocation for A BOT Project." Seminar Public Private Participation Highway Sector, Organized by Indian Roads Congress, New Delhi, Held 28-29 th August, 2009, Pg 2-9 – 2-15.
83. Bagui,S.K. and Ghosh,A.(2009e). "Selection of Toll Tariff, Debt Equity Ratio and Concession Period for A BOT Project." Seminar Public Private Participation Highway Sector, Organized by Indian Roads Congress, New Delhi, Held 28-29 th August, 2009, Pg 4-59 – 4-71.
84. Ritwik Chakraborty and Ambarish Ghosh (2009), Finite Difference Method for Computation of Sodium and Chloride Migration in Porous Media, Proceedings of the Indian Geotechnical Conference – 2009, pp. 268-271.
85. Ashis Kumar Bera, Ambarish Ghosh and Amalendu Ghosh, (2009), Regression Model for Prediction of Normal Stress at Failure of Reinforced Pond Ash, Proceedings of the Indian Geotechnical Conference – 2009, pp. 384-387.
86. Ghosh Ambarish, Pal Sujit Kumar (2009). Stabilized Fly Ash as Construction Material, Proceedings of the National Seminar on Emerging Trends in Ground Improvement, Kolkata, 22-23 May, pp. 74-78.
87. Ashis K. Bera, Ambarish Ghosh and Amalendu Ghosh (2009). Laboratory Investigation on Behaviour

of Square Footing on Pond Ash Reinforced with Geotextiles, Proceedings of the National Seminar on Emerging Trends in Ground Improvement, Kolkata, 22-23 May, pp. 24-48.

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RESEARCH PROJECT(S) / SPONSORED PROJECT(S)

International

Sponsoring Agency	Title of the Project(s)	Period	Amount	Status
CFC, The Netherlands	Development and Application of Potentially Important Jute Geo-textiles	Five year April 2010- June 2016	USD 3962826	ongoing

National

Sponsoring Agency	Title of the Project(s)	Period	Amount (Rs. in Lacs)	Status
Higher Education, Science & Technology and Biotechnology (Sci & Tech), Govt. of West Bengal	Prediction of construction induced vibration and Development of Mitigation Strategy	Three years March 2018 -	15.76	ongoing
Ministry of Earth Science	Near surface Geophysical nd Geotechnical Investigation for Site-specific Earthquake Hazard and Slope Stability studies in and around Gangtok via-a-via its Vulnerability and Risk Implications (VIS)	Three years August 2015 -	37.62	ongoing
DST, Govt. of India	Performance evaluation of river Brahmaputra bed materials for use in construction of road embankment, subgrade and subbase	Three years August 2013 -	39.554	completed
Public Health Engg. Directorate, Govt. W. B.	Hydrogeological study of sub-surface water flow/storage characteristics for creation of sustainable source on rain fed river for semi-arid and fluoride affected six blocks in connection with comprehensive water security plan for Damodar & Kangsabati River under Bankura district.	One year October 2011 -	62.800	completed
Ministry of Earth Science	Seismic Hazard Assessment, Microzonation and Evaluation of Vulnerability, Risk & Socio Economic Impacts for the City of Kolkata	Three years March 2010	432.710	completed
TEQIP	Effect of Contaminated Environment on the Characteristics of Geotextiles and Geonaturals and Development of Remedial Measures	2005 - 2006	2.105	completed

8 (j) Consultancy Projects

Sl. No	Sponsoring Agency	Title of the Project(s)	Duration	Amount (Rs.)	Status	Nature of work
1	M/S Larsen & Toubro Limited, Infrastructure IC	Design, engineering, procurement, construction and completion of 7.4 km, 2(two) lane elevated Road between Jinjira Bazar and Batanagar on Budge Budge Trunk Road in Kolkata along with the widening of the existing 2 (two) lane road by addition of two lanes on both sides of the elevated fly – over through construction of an at grade road and construction of a 1.5 m footpath at the side of at grade roads - Proposal for Vetting of detail design of road, substructure and superstructure	2 years	Rs.50,00,000/-	Ongoing	Vetting of Analysis and Design
2	Highway Survey Division – III P. W. (Roads) Directorate Bhabani Bhawan, Kolkata 700 027	Geotechnical Investigation for the Construction of Proposed RCC Bridge over River Bidya connecting Godkhali and Gosaba Bazar in the District of South 24 Parganas,	6 months	Rs. 39,02,900/-	Completed	Field Investigation with laboratory testing and foundation recommendation with state of the art methodologies
3	IL&FS Infrafrastructure Development Corporation Limited	Vetting of Drawing of 4 lane Elevated Corridor along Kazi Nazrul Avenue (VIP Road) from Kestopur to Jora Mandir	6 months	Rs. 14,00,000/-	Completed	Vetting the modelling, and analysis of Superstructure and Substructure
4	WAPCOS Ltd.	Stability test of Dyke/ Embankment through the proposed Navigational Channel across Nayachara Island as a Long Term Measures of KoPT	1 year	Rs. 5,50,000/-	Ongoing	Slope Stability Analysis
5	RITES LIMITED	Consultancy services for Project Preparation of Package III: Mogra-Kampa-Barojaguli in the Hooghly and Nadia District of West Bengal, India including Major Bridge over River Saraswati, ROB at Bansberia, Elevated Corridor at Junction of Barrackpore Expressway, Interchange at Kampa Junction and State of Art Extradosed Cable Stayed Bridge (over river Ganges-Hooghly)	One year	Rs. 4,50,000/-	Ongoing	Liquefaction Analysis and Development of Site Specific Response Spectra

Sl. No	Sponsoring Agency	Title of the Project(s)	Duration	Amount (Rs.)	Status	Nature of work
6	M/S Haldia Energy Limited	Review on the Structural Safety of River Crossing Transmission Tower across River Hooghly pertaining to 400KV Double Circuit Haldia-Subhasgram Transmission Line	One year	Rs. 8,00,000/-	Completed	Vetting of analyand designsis

7	Burdwan Development Authority	Renovation, rehabilitation and Strengthening of old arch masonary bridge over river Banka at Birhata on G.T. Road Burdwan	9 months	Rs. 4,80,000/-	Ongoing	Renovation and rehabilitation
8	Nilima Vinimay Pvt. Ltd., 40 A Armenian Street	Study on the river bank protection adjoining the proposed construction of multistoried building at 99/1 Dr. Abanu Dutta Road, Howrah	6 months	Rs. 250000/-	Completed	Analysis and Design
9	M/S ITD Cementation India Limited	Pre tender design advisory consultancy for "Design and construction of 578 m long Theng tunnel including geological investigation and studies, design of tunnel and construction of tunnel proper including Civil as well as Electrical/Mechanical works along with approaches at KM 86.9 on Gangtok-Chungthang road under project Swastik in Sikkim state"	One Year	Rs. 5,00,000/-	Completed	Analysis and Design
10	Sammilani Mahavidyalaya	Soil Exploration for Construction of Multi Storied Building in the College Premises	6 months	Rs. 97,000/-	Completed	Soil Exploration & Recommendation
11	Kolkata Port Trust	Review of Structural Stability and Adequacy of Berth 4, 5, & 8 NSD for allowing working of Mobile Harbour Crane (MHC)	1 year	Rs. 2,00,000/-	Completed	Analysis and Design
12	Larsen & Toubro Limited, Construction, Infrastructure IC	Proof Checking of Launching Scheme of Bhatpara ROB & POT PTFE bearing of KMDA Project.	1 year	Rs. 1,00,000/-	Completed	Vetting of Design
13	M/S KONGSBERG NORCONTROL PVT. LTD. GUJRAT	Analysis and Design of Mast and it's Support System on the building roof top at Sagar	6 months	Rs. 60,000/-	Completed	Vetting of Design
14	M/S Shapoorji Pallonji and Company Private Limited	Independent Assessment of effect of vibration, emanating from installation of Sheet Piles using a vibro-sinker at 2 Judge Court Road, Alipore,	6 months	Rs. 1,67, 000/-	Completed	Vibration Analysis and monitoring

Sl. No	**Sponsoring Agency**	**Title of the Project(s)**	**Duration**	**Amount (Rs.)**	**Status**	**Nature of work**
15	IRCON INTERNATIONAL LIMITED	Construction of Subway at Shalimar Railway Station	3 months	Rs. 98,000/-	Ongoing	Vetting of Design and Analysis
16	Kolkata Division, Social Sector, P. W. Dte., Govt. of West Bengal	Soil Investigation for the Proposed Construction of Youth Hostel (Biswa Bangla Yuba Abas), at 4/1 Moore Avenue, Tollygunge, Kolkata	6 months	Rs. 3,20,000/-	Ongoing	Soil Exploration & Recommendation
17	Kolkata Division, Social Sector, P. W. Dte., Govt. of West Bengal	Soil Investigation for the Proposed Construction of three storied office building of SPF Tollygunge, two	6 months	Rs. 1,48,000/-	Ongoing	Soil Exploration &

		storied Group C staff quarters, three nos. four storied Group D staff quarters and single storied change room.				Recommendation
18	Kolkata Division, Social Sector, P. W. Dte., Govt. of West Bengal	Soil Investigation for the Proposed Construction of Govt. Polytechnic at Behala, Kolkata	6 months	Rs. 3,05,000/-	Ongoing	Soil Exploration & Recommendation
19	Kolkata Division, Social Sector, P. W. Dte., Govt. of West Bengal	Soil Investigation for the Proposed Construction of an English Medium School of Sourindra Vidyapith, Behala, Kolkata	6 months	Rs. 1,45,000/-	Ongoing	Soil Exploration & Recommendation
20	ADHUNIK INFRASTRUCTURE (P) LTD.	Strengthening and Widening to 2 lane/2-lane with paved shoulder configuration of Ghatakpukur – Malancha – Sarberia Section of Kolkata Basanti Road (Section of SH-3) in West Bengal	6 months	Rs. 2,20,000/-	Ongoing	Analysis and recommendation
21	M/S Unitech Construction, 74/1 Marwary Bagan, Kolkata	Vetting of Structural Design of Prabhu Jagatbandhu College at Andual, Howrah	6 months	Rs. 1,00,000/-	Completed	Vetting of Design and Analysis
22	Kolkata Port Trust	Checking of design of VTMS Tower at Dadanpatra	6 months	Rs. 80,000/-	Completed	Vetting of Design and Analysis
23	Garhbeta College, Garhbeta, Paschim Medinipur	Vetting of the Design of Foundation and Superstructure system for the proposed Project "Construction of G+2 Educational Building at Gorhbeta Collage	6 months	Rs. 75,000/-	Completed	Vetting of Design and Analysis

Sl. No	**Sponsoring Agency**	**Title of the Project(s)**	**Duration**	**Amount (Rs.)**	**Status**	**Nature of work**
24	Kolkata Division, Social Sector, P. W. Dte., Govt. of West Bengal	Soil Investigation for the Proposed Construction of a Building complex for accommodating the West Bengal State Council of Higher Education and West Bengal College Service Commission	6 months	Rs. 2,59,000/-	Completed	Soil Exploration & Recommendation
25	Howrah Improvement Trust	Soil Exploration Work at the junction Belilious Road and Narasingha Dutta Road in connection with the laying of 1400 mm dia. Sewer	6 months	Rs. 75000/-	Completed	Soil Exploration & Recommendation along with design of temporary

						supporting system
26	Howrah Improvement Trust	Soil Exploration Work at Premises No. 117, G T Road, Salkia, Howrah	6 months	Rs. 3,25,000/-	Completed	Soil Exploration & Recommendation
27	Howrah Improvement Trust	Soil Exploration Work at Premises No. 128, G T Road, Salkia, Howrah	6 months	Rs. 1,45,000/-	Completed	Soil Exploration & Recommendation
28	Prabhu Jagatbandhu College	Soil Exploration Work for Proposed Construction of G+5 storied building at Prabhu Jagatbandhu College, Jhorehat, Andul-Mouri	6 months	Rs. 95000/-	Completed	Soil Exploration & Recommendation
29	Howrah Improvement Trust	Soil Exploration Work at HIT Scheme No. VI, Holding No. 144,144/3, 145/1, 146, 146/1, 146/2, 147(P), Naskarpara Road, Ghusuri, Salkia, Howrah for the work: - Construction of Old Age Home	6 months	Rs. 1,80,000/-	Completed	Soil Exploration & Recommendation
30	PW(CB) Dte	Soil Exploration for Construction of a new Government English Medium School in Matikole area under South Dum Dum Municipality, WB, India	6 months	Rs. 1,30,000/-	Completed	Soil Exploration & Recommendation
31	M/S Ruby General Hospital	Independent Assessment of effect of vibration, emanating from installation of Sheet Piles using a vibro-sinker at Premises No. 576, Anandapur Plot 1-18 Sector 9-J under EKADPPS, Anandapur, Kolkata -700 107, on the adjoining structures and providing guidance to the construction team	6 months	Rs. 1,70,000/-	Completed	Independent Assessment of effect of vibration
32	Howrah Improvement Trust	Soil Exploration Work at three Plots of HIT	One year	Rs. 5,90,000/-	Completed	Soil Exploration & Recommendation
Sl. No	**Sponsoring Agency**	**Title of the Project(s)**	**Duration**	**Amount (Rs.)**	**Status**	**Nature of work**
33	P. W. (CB) Directt.	Soil Exploration Work two colleges, one university and six BLRO Office Sites at Burdwan	6 months	10,43,000/-	Completed	Soil Exploration & Recommendation
34	Highway Survey Division – III P. W. (Roads) Directorate Bhabani Bhawan, Kolkata 700 027	Geotechnical Investigation for the Construction of Proposed Elevated connector between Belgharia Expressway and Kalyani Expressway to bypass Barasat Town for North Benfal bound Traffic of NH34	6 months	Rs 3,50,000/-	Completed	Field Investigation with laboratory testing and foundation recommendat

						ion with state of the art methodologies
35	Irrigation & Waterways Directorate	Soil Exploration Work in connection with the breach of closure work on the left bank of river New Cossye at Garh Purosottampur within Panskura Municipal area, District Purba Medinipur	6 months	Rs. 2,85,000/-	Completed	Soil Exploration & Recommendation
36	M/S Larsen & Toubro Limited, Construction Infrastructure IC	Vetting of detail design of substructures and superstructure of Kalyani ROB of KMDA Flyovers and ROBs	6 months	Rs. 3,80,000/-	Completed	Vetting the modelling, analysis and Design of Superstructure and Substructure
37	M/S Larsen & Toubro Limited, Construction Infrastructure IC	Vetting of detail design of substructures and superstructure of Chandan Nagar ROB of KMDA Flyovers and ROBs excluding span between P19 and P20 along with the proposed road including the minor bridge over river Saraswati	One Year	Rs. 9,00,000/-	Completed	Vetting the modelling, analysis and Design of Superstructure and Substructure including pavement design
38	M/S Universal Crescent Power Pvt. Ltd.	Liquefaction analysis for Industrial Activity at Nayachar	6 months	Rs. 1,50,000/-	Completed	Liquefaction analysis
39	M/S Netaji Subhas Chandra Bose Cancer Reserch Institute & Hospital, Kolkata	Design of Temporary Shoring System Using Sheet pile for 2B+G+3 Hospital Building	One yaer	Rs, 3,00,000/-	Completed	Design of Geotechnical & Structural Component of Shoring system
Sl. No	**Sponsoring Agency**	**Title of the Project(s)**	**Duration**	**Amount (Rs.)**	**Status**	**Nature of work**
40	M/s Fortune Multi-specialty Hospital Pvt. Ltd.	Planning and Design of Hospital Building at LALBAGH, MUSHIDABAD	One year	Rs. 12,50,000/-	Completed	Surveying, Soil Exploration, Planning, Analysis, Design and Working Drawing
41	M/S Express Devcon Pvt. Ltd	Assessment of vibration emanating from installation of Sheet Piles using a vibro-sinker at 52/1, Shakespeare Sarani, Kolkata -700 017	One year	Rs. 3,84,999/-	Completed	Vibration Monitoring and Mitigation

42	Traders and Engineers Pvt. Ltd.	Vetting of Design & Drawing prepared by our consultant in connection with the proposed project of " Design, Construction and Commissioning of R.C.C. Intake Jetty with Pump House mounted on the Jetty of capacity 2800 Cu.M along with the Sub-Station Building all Civil and Electro-mechanical works complete, near Gouranga Ghat Road in Ward No. 3 under Panihati Municipality".	3 months	Rs. 50,000/-	Completed	Vetting of the design and drawings
43	P. W. (CB) Directt.	Soil Exploration Work at Five Sites at Burdwan Medical College Campus	4 months	Rs. 5,35,000/-	Completed	Soil Exploration & Recommendation
44	Traders and Engineers Pvt. Ltd.	Vetting / Approval of the Designs of the Diaphragm Wall System at IB167, Sector – III, Saltlake City, Kolkata	1 month	Rs. 50,000/-	Completed	Vetting of the design and drawings
45	IVRCL, Kalyani	Pile Integrity Testing at the Campus of National Institute of Bio-Medical Genomics at Kalyani, West Bengal, INDIA	1 month	Rs. 55,000/-	Completed	Testing and Analysis
46	Engineering Projects (India) LTD.	Soil Exploration for Cyclone Shelters at Village: Amtalia, District: Purba Medinipur.	3 months	---	Completed	Soil Exploration & Recommendation
47	(Agri Irrigation), Chinsurah (A-I) Division, Hooghly	Soil Exploration Work at Plot No. 2647 & 2646, Mouza – Baidyabati.	3 months	Rs. 79,500/-	Completed	Soil Exploration & Recommendation
48	HOWRAH IMPROVEMENT TRUST	Soil Exploration at different Infrastructure Projects of HOWRAH IMPROVEMENT TRUST (ten sites)	One year	Rs. 14,94,450/-	Completed	Soil Exploration & Recommendation
Sl. No	**Sponsoring Agency**	**Title of the Project(s)**	**Duration**	**Amount (Rs.)**	**Status**	**Nature of work**
49	M/S Minakshi Sarkar	Vetting of Foundation System and Superstructure Rajib Gandhi Stadium, Aizwal	6 months	Rs. 70,000/-	Completed	Vetting of the design and drawings
50	HOWRAH IMPROVEMENT TRUST	Soil Exploration Work at different Infrastructure Projects of HOWRAH IMPROVEMENT TRUST (six sites)	6 months	Rs. 5,35,000/-	Completed	Soil Exploration & Recommendation
51	Traders and Engineers	Vetting of Design & Drawings prepared by consultant in connection with the Proposed Project "Design,	3 months	Rs.52, 250/-	Completed	Vetting of the design and

	Pvt. Ltd.	Engineering, Construction of RCC Intake Jetty with Pump House, Gangway, Substation and Allied Civil works for 10P10 KMDA Bally WTP Project				drawings
52	KoPT	Consultancy Services for Dyke on the Western Fringe of Sagar Iland	1 year	Rs. 3,00,000/-	Completed	Vetting of the design by WAPCOS Ltd. and Examination and vetting of the design by selected contractor
53	Students Health Home, Kolkata	Structural Design of Students Dormitory and Ancillary Infrastructure at Dihga, WB INDIA	6 months	--	Completed	Design and reinforcement detailing
54	Students Health Home, Kolkata	Soil Exploration of Students Dormitory and Ancillary Infrastructure at Dihga, WB INDIA	3 months	Rs. 75000/-	Completed	Soil Exploration & Recommendation
55	Traders and Engineers Pvt. Ltd	Vetting and Design Drawing in connection with the Project of RCC Intake Jetty with mounted Pump House alng with substation Building on Shore at Jagatdal under Bhatpara Municipality KMDA	6 months	Rs.52, 250/-	Completed	Vetting of the design
56	Siliguri Jalpaiguri Development Authority	Design of Foundation system and Vetting of Structural analysis of 4th Market Complex, at Siliguri	3 months	Rs. 300000/-	Completed	Design and vetting Analysis
57	Siliguri Jalpaiguri Development Authority	Pile Integrity Testing at 4th Market Complex, at Siliguri	3 months	Rs. 1,58,750/-	Completed	Testing & Analysis
Sl. No	**Sponsoring Agency**	**Title of the Project(s)**	**Duration**	**Amount (Rs.)**	**Status**	**Nature of work**
58	TATA Consulting Engineers Limited	Simulation Testing of Coal Washery Slurry for Designing Slurry Pond	6 months	Rs. 1,35,000/-	Completed	Simulation Study and Analysis
59	CESC Properties Ltd.	Assessment of vibration emanating from installation of Sheet Piles using vibro-shaker at SPENCER's GALLERIA Site at 33 Syed Amir Ali Avnue, Kolkata – 700 017	6 months	Rs. 1,25,000/-	Completed	Analysis of Vibration and development of Isolation system
60	SENES, India	Kolkata Solid Waste Management Improvement Project	Started in March' 08	---	Completed	Vetting of Analysis & Design of Geotecnical components
61	KoPT, India	Feasibility study for a suitable measure	---	Rs.	Complet	Analysis &

		to protect the river bank at proposed terminal site of IWAI at Jogighopa, Assam, West Bengal		75,000/-	ed	Design
62	BDO, Daspur, India	Soil Investigation for the Proposed Administrative Building, DASPUR – II, Paschim Medinipur, West Bengal	0.5 year	---	Completed	Analysis & reporting
63	Hindalco Industries Limited, India	Soil Geochemistry, Fertility and Effectiveness of Various Environmental Control Measures for Bagru Mines, Lohardaga, Jharkhand	0.5 year	Rs. 68,000/-	Completed	Analysis
64	BSNL, India	Soil Investigation and Foundation Design of 40 m Tower at Barasat, Kolkata	0.5 year	Rs. 40,000/-	Completed	Analysis & Design
65	BSNL, India	Analysis and Design of MAAR Masts on Roof Top Around Kolkata	1.0 year	---	Completed	Analysis & Design
66	ECL, India	Investigation and Testing of Road Bridge at Lalmatia – Pirpainty Road	0.5 year	---	Completed	Analysis & Design
67	KMC, India	Soil investigation for the proposed Star Theatre, Kolkata	1.0 year	---	Completed	Analysis
68	KoPT, India	Volume of Dredging and Bulk Density of Dredged Material	1.5 years	Rs. 2,00,000/-	Completed	Modelling,Analysis guidelines
Sl. No	**Sponsoring Agency**	**Title of the Project(s)**	**Duration**	**Amount (Rs.)**	**Status**	**Nature of work**
69	HAM, Holland DCI, India	Testing of Dredged Soil at Haldia	4 years	Rs. 25,00,000/- (Approx)	Completed	Analysis
70	BHEL, India	Field Quality Assessment for Concrete and Soil for Bakreshwar Thermal Power Project	4 years	Rs. 20,00,000/- (Approx)	Completed	Quality control
71	NBCC	B+G+10 Residence for hon'ble Minister of Govt of WB at Alipore	6 months	Rs. 3,50,000/-	Completed	Vetting of Design and Drawing
72	NBCC	B+G+2 Kolkata House of Govt of WB	6 months	Rs. 3,50,000/-	Completed	Vetting of Design and Drawing
73	ILFS	Vetting of Drawing of 4 lane Elevated Corridor along Kazi Nazrul Avenue (VIP Road)	2 years	Rs. 14,00,000/-		

74	L&T	Design, engineering, procurement, construction and completion of 7.4 km, 2(two) lane elevated Road between Jinjira Bazar and Batanagar on Budge Budge Trunk Road in Kolkata along with the widening of the existing 2 (two) lane road by addition of two lanes on both sides of the elevated fly – over through construction of an at grade road and construction of a 1.5 m footpath at the side of at grade roads - Proposal for Vetting of detail design of road, substructure and superstructure.	3 years	Rs. 50,00,000/-		
77	Adhunik Infrastructure (P) Ltd.	Technical Vetting of the Structural Modeling, Analysis, Design and Drawing of the Proposed Skywalk Bridge at Dakshineswar Temple in Kolkata	2 years	Rs. 5,00,000/-		
80	M/S Sapoorji Pallonji Pvt. Ltd	Independent Assessment of effect of vibration, emanating from installation of driven piles in Sukhobrishti Project at Plot No. E1/E2 Action area III, New Town - Recommendations on feasibility of doing RCC during driving of piles nearby and providing guidance to the construction team	6 months	Rs. 2,25,000/-		
	M/S Siddha	Independent Assessment of effect of vibration, emanating from installation of Piles using a vibro-sinker at SIDDHA SUBURBIA Project, Baruipur, on the adjoining structures and providing guidance to the construction team.	6 months	Rs. 2,00,000/-		
		Supervision of Sub-surface Investigation and Preparation of Soil Report for the Work of "Construction of 3MG Capacity Booster Pumping Station Near Sakuntala Park in HO-CHI-MIN Sarani Word No. 127".	6 months	Rs. 1,50,000/-		