

## VITAE

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3. Date of birth:    January Seven, Nineteen Hundred and Sixty Eight

4. *Educational Qualification:*

(a) B. E. (Civil Engg.) First Class First, North Bengal University, 1990

(b) M. Tech. (SMFE), IIT Kharagpur, 1992

(c) Ph. D. (Environmental Geotechnics), IIT Kharagpur, 1996

5. Area of Specialization - Geotechnical Engineering

6. Awards                            University Medal from North Bengal University, University Topper among the students of all the discipline in the year 1990.

7. Present Position:            *Professor of Civil Engineering, IESTS*  
Head, School of Disaster Mitigation Engineering, IESTS

8. Work Experience

Teaching

(a) Professor of Civil Engg., IESTS, from August 2008 - till date

(b) Assistant Professor of Civil Engg., IESTS, from August 2000 - August 2008

(c) Lecturer in Civil Engg., IESTS, from October 1996 to August 2000

## 9. Subject Teaching at Undergraduate level and Post graduate level

Course No. & Title	Level (UG/PG)
(CE/P/GT/501) Geotechnical Earthquake Engineering	PG
(CE/P/GT/502) Environmental Geotechnics	PG
(CE/N/G-101) Advanced Soil Mechanics -I	PG
(CE/N/G-205) Advanced Soil Mechanics -II	PG
(CE 1033) Ground Improvement Techniques	PG
(CE/N/G-403) Ground Improvement Techniques	PG
(CE - 70X) Disaster Mitigation	UG
(CE - 804/7) Environmental Geotechnics	UG
(CE 703) Foundation Engineering	UG
(CE 708) Foundation Engineering Sessional	UG
(CE 803/2) Geotechnical Investigation and Practices (Elective I)	UG
(CE 401) Surveying - II	UG
(CE 503) Surveying - III	UG
(CE 403) Planning Drawing & Estimation	UG
(CE 603) Soil Mechanics - II	UG
(CE 608) Soil Mechanics Laboratory	UG
(CE 405) Planning Drawing & Estimation (Sessional)	UG
(CE 808) Structural Engineering Laboratory	UG
(CE 404) Concrete Technology Laboratory	UG
(CE 201) Introduction to Computing	UG
(CE X) Transportation Engineering Laboratory	UG

## 10. Membership of Professional Bodies

Life Member of Indian Geotechnical Society  
Fellow of Institute of Engineers (I)

## 11. Research Interest

### (a) Soil Dynamics and Earthquake Engineering

- Study on Microzonation and remediation of liquefaction
- Study on dynamic soil structure interaction problems
- Study on construction Induced vibration and remediation

- Study on deep foundation subjected to seismic loading

**(b) Utilization of Solid Waste in Civil Engineering Applications**

- Environmental Aspects of Fly Ash Utilization
- Geotechnical Aspects of Fly Ash Utilization
- Design and Construction of roads with soil/solid waste
- Modelling for Utilization of Stabilized Fly Ash in Waste Containment Liner Application
- Use of Geocomposites for Liner Application
- Stabilization of Sludges Containing Toxic Metals

**(c) Ground Improvement Techniques**

- Remediation for Contaminated Soil
- Use of Geotextiles to Solve Geotechnical Engineering Problems
- Ground Improvement for Liquefaction Hazard Mitigation
- Use of Geotubes in Civil Engineering Applications

**(d) Numerical Modelling for Geotechnical Engineering Problems**

**12. Reviewer of Journals**

Journal of Materials in Civil Engineering, ASCE

Canadian Geotechnical Journal, Canada

Soils and Foundations, Japanese Geotechnical Society

Geotextiles and Geomembranes, Elsevier Publisher, UK

Journal of Geosynthetics International

Journal of Hazardous Materials, Elsevier Publisher, UK

Journal of Geotechnical and Geological Engineering, Springer Publisher, Netherlands

Indian Geotechnical Journal, INDIA

Journal of Institute of Engineers, INDIA

### 13. PhD and PG thesis guidance

<i>Sl. No.</i>	<i>Name of Student(s)</i>	<i>Title of the Dissertation(s)</i>	<i>Status [Awarded (with date) / Submitted (with date) / ongoing]</i>
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	Awarded on September 24, 2018
9	Suipia Khatun	Analysis of River Bank Erosion and Development of Protective Measure	Awarded 01.08.2019
10	Rupa Chakrabarty	Electrokinetic Remediation of Soil Contaminated with Heavy Metals	Awarded 02.08.2019
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	Tanumaya Mitra	Behaviour of Pile Subjected Seismic Loading	Ongoing
16	Vinoth. B	Liquefaction Analysis and Development of Mitigation Strategy using Ground Improvement	Ongoing
17	Loknath Das	Prediction of Surface Settlement due to Tunneling	Ongoing
18			

## (a) Details of Master Students Guided and Ongoing ( 60 completed)

<i>Sl. No.</i>	<i>Name of Student(s)</i>	<i>Project Title</i>	<i>Year of Submission</i>
1	Ritankar Saha	A study on construction induced ground vibration due to impact pile driving	2019
2	Suprabhat Shaw	Piled Raft Foundation	2019
3	Adanya Chatterjee	Electro kinetic remediation of Contaminated site	2018
4	Swarnendu Mondal	Slope stability analysis	2018
5	Vinoth B	Study on wave propagation on Construction Induced Vibration	2017
6	P. Sashidhar	Experimental study on Under-reamed Piled Raft Foundation	2017
7	Tanumaya Mitra,	Liquefaction Hazard Mitigation	2016
8	Subhprasad Chakraborty	Construction Induced Vibrations	2016
9	Sudip Kumar Koley	Stability of rock slope in underground excavation by rock bolting	2016
10	Kaushik Bhattacharya	Pile Raft Foundation	2016
11	Subhprasad Chakraborty,	Construction Induced Vibrations	2016
12	Rituparna Dey	Study on the behavior of pile raft foundation in cohesive soil	2015
13	Debarshi Das	Soil stratification of Kolkata, Liquefaction Analysis and Hazard Mitigation	2015
14	Mousumi Kundu	Study on the Effect of Hydraulic Factors Causing Failure of Earthen Levees	2015
15	Raghu Nath Chakraborty	Study of Failure of Earthen Levee Due to Seepage	2015
16	Prodyot Kumar Manna	Development Strategy for Earthen Environment	2015

17	Maitrayee Sur	Numerical Modelling and Parametric Study of Deep Excavation	2014
18	Sanghati Mutsuddi	Design and Analysis of Prefabricated Vertical Drain	2014
19	Surya Kanta Prusty	Heavy Metal Extraction from Contaminated Clayey Soil by Electro kinetic Cell	2014
20	Arup Goswami	Analysis of Piled Raft Foundation	2014
21	Somnath Kundu	Liquefaction Hazard Mitigation using Stone Column	2014
22	Swarup Dandapat	Preloading and prefabricated Vertical Drain for consolidation of soft clay	2013
23	Kausik Bera	Evaluation of Liquefaction based on SPT value and Shear wave velocity	2013
24	Sayantan Chakraborty	Isolation of Construction Induced Vibration	2013
25	Anuradha CHakraborty	Analysis of Diaphragm Embedded in Clayey Soil Using Finite Element Based Software	2013
26	Ujwal Mandal	Ground Vibration due to Vibratory Type Driving of Sheet Piles	2013
27	Dipa Mukhopadhyay	Electro kinetic Remediation of Soil Contaminated with Organic Compound	2013
28	Sudhanwa Pal	Analysis and Design of Geotextile Tubes for Civil Engineering Applications,	2012
29	, Susmita Majumder	Development of Site-Specific Response Spectra	2012
30	Mahadeb Das	Heavy Metal Extraction from the Contaminated Soil by Electro kinetic Cell,	2012
31	Avisek Dey	Study on Construction Induced Vibration and Remediation	2012
32	Debasish Saha	Ground Improvement for Liquefaction Hazard Mitigation	2011
33	Kanchan Kumar Karak	Assessment of Liquefaction for Seismic Micro zonation,	2011

34	Champakali Das	Analysis and Design of Waste Containment Liner,	2011
35	Sumit Guha	Study on Deep Excavation,	2010
36	Subhas Ranjan Ghosh	Effects of Ground Improvement on Dynamic Properties of Soils,	2010
37	Sashanka Sekhar Sarkar	Experimental studies on dynamic properties of soils	2009
38	Ranjan Mahapatra	Hydrodynamic Design Aspects of Geotextile	2008
39	Soumya Roy	Effect of Ground Improvement on Slope Stabilization under Static and Dynamic Loading,	2008
40	Siva Prasad Thylamu	Characteristics and Remediation of Contaminated Soils	2007
41	Sumit Ghosh	Evaluation of Liquefaction Potential of Soil by Down Borehole Method,	2007
42	Debabrata Sardar	Analysis and Design of Geotubes in Civil Engineering Applications	2007
43	Debasish Ghosh	Application of Pond Ash in Roads	2006
44	Utpal Dey	Study on the Application of Fly ash and Geotextiles in Road Construction	2006
45	Sandip Krishna Saha	Study on the Factors Controlling Contaminant Transport Mechanism	2006
46	Moumita Patra	Bearing Capacity of Footing on Layered Soil,	2005
47	Subhabrata Goswami	Fly Ash as Base Course Material,	2004
48	Diptendra Das	Study on the Compatibility of Geosynthetic Clay Liner	2004
49	Jakir Hossain Mallik	Stress Strain Characteristics of Fly ash,	2004
50	Prakash Verma	Modelling for Dynamic Response of Foundation on Pond Ash,	2004
51	Apurba Chandra Koner	Development of Liner Material Using Geotextiles,	2003
52	Mohini Mohan Manna	An Appraisal on Liner Design,	2003

53	Ashanul Haque	A Review on Application of Geosynthetics and its Design Aspects	2002
54	Ritwik Chakraborty	Finite Difference Method For Calculation of One-Dimensional Pollutant Migration In Soil,	2002
55	Samsuddin Khan	Development of Liner Material,	2002
56	K. Srinivas Kumar Patra	Bulk Density of Dredged Material	2001
57	Debasish Chattopadhyay	Pollutant Migration Through Clay Liner,	2001
58	Abhijit Basu	Development of a New Waste Containment Liner Material,	2001
59	Abhijit Chakraborty	Effect of Curing on Strength Behaviour of Stabilized Fly Ash	2000
60	Amit Sengupta	The Study on the Hydraulic Conductivity Characteristics of liner Material	2000

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**CONSULTATIVE COLLABORATION ON RESEARCH BETWEEN IEST, SHIBPUR AND KOLKATA METRO RAIL CORPORATION**

Sponsoring Agency	Title of the Project(s)	Period	Amount	Status
KMRCL ( Govt. of India Undertaking)	KOLKATA EAST WEST METRO PROJECT	Three year may be continued June 2017-	Rs. 41.80 Lakhs for first year only	ongoing

**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 and 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	CONSORTIUM 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

## Consultancy Projects

Sl. No	Sponsoring Agency	Title of the Project(s)	Duration	Amount (Rs.)	Status	Nature of work
1	TRANSTON NELSTROY – AFCONS J. V	<i>Re-Assessment of Howrah Dewatering Scheme for Construction of UG Howrah Station under East West Metro Rail Project, Contract :UG-1</i>	Six months 04.01.19 to 03.07.20 19	Rs.6.50 Lakhs	comple ted	
	TRANSTON NELSTROY – AFCONS J. V	<i>Re-Assessment of Vent Shaft &amp; New Mahakaran Dewatering Scheme for Construction of UG Vent Shaft and New Mahakaran Station" under East West Metro Rail Project, Contract :UG-1</i>	Six months 20.02.19 to 19.08.20 19	Rs.8.40 Lakhs	Ongo ing	
	Bridge and Roof Co.(India) Ltd.	<i>Study and Design Engineering of Sheet Pile for Shore Protection against Massive Erosion to save Century Old IGWTP, Palta</i>	One year 15.03.19- 14.02.20	Rs. 19.50 Lakhs	ongoing	
	Regent Hirise Pvt. Ltd.	<i>Measures for river bank protection adjoining the proposed G+XI - Primarily Residential Building at Premises No. 20 &amp; 22 B.G.T. Road, Mouza- Bhadrakali, Uttarpara, Dist. – Hooghly, West Bengal</i>	Six months 30.11.17 -	Rs. 4.50 Lakhs	comple ted	
	Bengal Concessions Private Ltd.,	Design of Riverbank Protection for Proposed Jetty at Kukrahati		Rs. 8.75 Lakhs	comple ted	
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.50,00,0 00/-	Ongo ing	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/ -	Comple ted	Field Investigation with laboratory testing and foundation recommendati on with state of the art methodologies

3	IL&FS Infrastruct ure 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/ -	Comple ted	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/-	Ongo ing	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/-	Ongo ing	Liquefaction Analysis and Development of Site Specific Response Spectra

Sl. No	Sponsoring Agency	Title of the Project(s)	Duratio n	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/-	Comple ted	Vetting of analyand designsis
7	Burdwan Development Authority	Renovation, rehabilitation and Strengthening of old arch masonry bridge over river Banka at Birhata on G.T. Road Burdwan	9 months	Rs. 4,80,000/-	Ongo ing	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/-	Comple ted	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/-	Comple ted	Analysis and Design
10	Sammilani Mahavidyalaya	Soil Exploration for Construction of Multi Storied Building in the College Premises	6 months	Rs. 97,000/-	Comple ted	Soil Exploration & Recommenda tion
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/-	Comple ted	Analysis and Design
12	Larsen & Toubr o Limited, Construction, Infrastructure IC	Proof Checking of Launching Scheme of Bhatpara ROB & POT PTFE bearing of KMDA Project.	1 year	Rs. 1,00,000/-	Comple ted	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 storied Group C staff quarters, three nos. four storied Group D staff quarters and single storied change room.	6 months	Rs. 1,48,000/-	Ongoing	Soil Exploration & 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 Gorbheta 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 recommendation 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
<b>Sl. No</b>	<b>Sponsoring Agency</b>	<b>Title of the Project(s)</b>	<b>Duratio n</b>	<b>Amount (Rs.)</b>	<b>Status</b>	<b>Nature of work</b>
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
<b>Sl. No</b>	<b>Sponsoring Agency</b>	<b>Title of the Project(s)</b>	<b>Duration</b>	<b>Amount (Rs.)</b>	<b>Status</b>	<b>Nature of work</b>
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 Pvt. Ltd.	Vetting of Design & Drawings prepared by consultant in connection with the Proposed Project "Design, Engineering, Construction of RCC Intake Jetty with Pump House, Gangway, Substation and Allied Civil works for 10P10 KMDA Bally WTP Project	3 months	Rs.52,250/-	Completed	Vetting of the design and 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 along 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 4 <sup>th</sup> Market Complex, at Siliguri	3 months	Rs. 300000/-	Completed	Design and vetting Analysis
57	Siliguri Jalpaiguri Development Authority	Pile Integrity Testing at 4 <sup>th</sup> Market Complex, at Siliguri	3 months	Rs. 1,58,750/-	Completed	Testing & Analysis
<b>Sl. No</b>	<b>Sponsoring Agency</b>	<b>Title of the Project(s)</b>	<b>Duration</b>	<b>Amount (Rs.)</b>	<b>Status</b>	<b>Nature of work</b>
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 Geotechnical components
61	KoPT, India	Feasibility study for a suitable measure to protect the river bank at proposed terminal site of IWAI at Jogighopa, Assam, West Bengal	---	Rs. 75,000/-	Completed	Analysis & 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
<b>Sl. No</b>	<b>Sponsoring Agency</b>	<b>Title of the Project(s)</b>	<b>Duration</b>	<b>Amount (Rs.)</b>	<b>Status</b>	<b>Nature of work</b>
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/-		
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