

S. Ghosh & Associates Pvt. Ltd

An IS/ISO 9001 – 2015 Certified Company having NABL Accredited Lab: Serving Since 1985
Civil Engineering Consultant and Project Executor



FIELDS OF WORK & EXPERTISE

Geotechnical Engineering & Consultancy
Geophysical & ND Testing
Foundation Testing
Engineering Survey
Soil Stabilization / Ground Improvement
Restoration of RCC Structures & Waterproofing Work
RCC Bored Piling & Construction of OHR / UGR
Construction of RCC Bridge, Check Dam

ABOUT US

We are an IS/ISO 9001:2015 and ISO/IEC 17025:2017 (NABL) certified multidisciplinary engineering consultancy/contractor firm. We started our journey in 1985 and in the last 37 years we have been able to establish ourselves as a leading consulting group in India in various engineering value additions like, Geotechnical & Geophysical Engineering, Construction and ground improvement, Surveying etc. We have successfully completed over 2600 projects across

SGAPL TEAM

SGAPL has a strong and dedicated team of more than 50 people from various professional fields like Geotechnical and foundation Engineering, Geophysical, Civil, Construction and Piling, Engineering Survey, Management and Finance etc. We have a hierarchical corporate team that ensures smooth operations and on-time deliveries of our contracts. For more on our offerings, get in touch with us and we would be glad to assist.

GEOTECHNICAL ENGINEERING

Geotechnical Investigation is a part of Civil Engineering which deals with the technical behavioral properties of earth related materials. A Geotechnical investigation project ideally begins with a survey of underlying materials and their physical, mechanical and chemical properties. SGAPL holds market leadership position across India in organized geotechnical investigation sector. We are one of the leading Geotechnical Engineering Companies in India and are capable of providing all related engineering value additions ranging from Field Investigations, Field Testing, Laboratory Testing, ND Testing and Analysis as well as Foundation Consultancy, Construction and Piling. We have own Soil Mechanics Laboratory (ISO/IEC 17025:2017 Certified, known as NABL certified) located at R. N. Tagore Road, Makhla, Uttarpara (Near Dankuni), Hooghly, where testing is conducted on soil, rock, water and concrete samples. We are IS/ISO 9001:2015 certified for engineering qualities.



FIELD EXPLORATION AND TESTING

- Different types of Boring & Drilling Through Soil & Rock
- Trial pits with large Undisturbed Sampling, Bulk Sampling
- Pocket Penetrometer Test
- Standard Penetration Test
- Dynamic Cone Penetration Test
- Static Cone Penetration Test
- Vane Shear Test
- Plate Load Test
- Cyclic Plate Load Test
- Pile Load Test
- Electrical Resistivity Test
- Seismic Refraction Test
- Cross Hole Shear wave Test
- Piezometer Test
- Block Vibration Test
- California Bearing Ratio Test
- Percolation Test (In Trial Pit)
- Permeability Test in Soil (Falling & Constant Head Pumping-In)
- Permeability Test in Rock(Single Packer & Double Packer)
- Pump Out Test (In Soil & Rock)
- Benkelman Beam Deflection Test
- Plate Bearing Test (K-Value)

LABORATORY TESTING

- Triaxial Shear Test
- Undrained with Pore Pressure Measurement
- Consolidated Drained, Unconfined
- Compression Test
- Direct Shear Test
- Vane Shear Test
- Proctor Density Test
- Compaction and Consolidation Tests
- Index Properties of Soil
- Consistency Limits of Soil
- Swelling Pressure & Swelling Index
- Permeability Tests
- California Bearing Ratio
- Crushing Strength
- Co-efficient of Softening of Rocks
- Point Load Test
- Chemical Test of Soil & Water Samples for determining pH value and concentration of ions

GEOTECHNICAL CONSULTANCY

- Foundation Study for different types of structures at different sub-soil conditions.
- Study on different ground improvement techniques.
- Study of grout-ability for different types of soil.
- Seismic Analysis, liquefaction potential study of sub-soil.
- Slope-Stability Analysis for Embankments, Dams.
- Design of sheet piles, different types of retaining walls etc.

MAJOR GEOTECHNICAL INVESTIGATION WORK CARRIED OUT IN LAST 5 YEARS

Sl. No	Client	Job Description	Job Value (Lac)	Year of Execution	Execution Status
1.	Rajpur Sonarpur Municipality, 24 Pgs (S), West Bengal.	Sub-soil Investigation work in connection with the construction of proposed RCC OHR / UGR at 21 different sites under Rajpur Sonarpur Municipality.	16.5 (Approx)	2016-17	Completed
2.	Office of the Executive Engineer, North Bengal Construction Division, PWD	Confirmatory Sub-Soil Investigation for the construction of ROB at Burdwan Road, Siliguri under North Bengal Construction Division	7.91	2016-17	Completed
3.	Indian Oil Corporation Limited	Soil Investigation Work with Topographical and Contour Survey for Proposed LPG Bottling Plant at Kharagpur, West Bengal	6.53	2017-18	Completed
4.	Office of the Superintending Engineer, Eastern Circle, PWD, West Bengal	Geotechnical sub-soil investigation and Topographical Survey by Total Station Machine in the district of North 24 Parganas for all wings of P.W.Dte.	31.8	2017-18	Completed
5.	GMR Kakinada SEZ Limited, East Godavari Dist., Andhra Pradesh	Soil Investigation for Proposed Industrial Hub Project of Kakinada SEZ Ltd. at Kakinada, Andhra Pradesh	6.03	2018-19	Completed
6.	Haldia Petrochemicals Ltd.	Soil Investigation Study along with Topographic and Contour Survey carried out for Proposed Refinery Project at Kakinada, Andhra Pradesh	44.25	2018-19	Completed
7.	Srijan Ecological Upliftment Pvt. Ltd. for PHE Dte., WB	Sub-soil investigation for 37 Nos. ESR, Booster Station, WTP and Intake at Balagarh Block, Hooghly	47.15	2019-20	Completed

Sl. No	Client	Description	Job Value (Lacs)	Year of Execution	Execution Status
8.	Srijan Ecological Upliftment Pvt. Ltd. for PHE Dte., WB	Soil investigation work for Booster Station, WTP and Intake Shyampur Project, W.B.	17.23	2020-21	Completed
9.	Garrison Engineer, Military Engineering Services, Nawabganj-Ishapore, 24 Parganas(North), PIN-743144	Soil Investigation at MSF Ishapore.	5.48	2020-21	Completed
10.	Premco Rail Engineers Limited, Kolkata-700156	Geotechnical investigation for Workshop Project at Kharagpur Rail Workshop, Kharagpur, W.B.	1.45	2021-22	Completed
11.	Srijan Ecological Upliftment Pvt. Ltd. for PHE Dte., WB	Geotechnical investigation for Proposed Overhead Reservoir at 6 sites of Paschim & Purba Midnapur	5.83	2021-22	Completed
12.	CBRE South Asia Pvt. Ltd. Kolkata-700046	Geotechnical Investigation & Topo survey for Bengal Silicon valley Project, Action Area-IIE, New Town, Kolkata	2.45	2021-22	Completed
13.	Bhavya Bharat Infrastructure & Construction Pvt. Ltd. New Delhi-110059	Geotechnical investigation for Construction of 4 Laning of Purulia Bypass Road of NH-32.	3.85	2021-22	Completed
14.	Naresh Kumar & Co Pvt. Ltd. Kolkata-700016	Geotechnical investigation for TATA Metalliks at Kharagpur	3.88	2021-22	Completed
15.	CESC Ltd. Kolkata	Geotechnical investigation for Shore Protection Works	1.40	2021-22	Completed
16.	Naresh Kumar & Co Pvt. Ltd. Kolkata-700016	Geotechnical investigation for Amta Project	1.84	2022-23	Completed
17.	Electrosteel Castings Ltd. Haldia, W.B. PIN-721635	Soil investigation at Haldia Plant	2.39	2022-23	Completed
18.	Leap India Food & Logistics Private Limited, Hyderabad	Geotechnical investigation for Silo Project at Balurghat	1.72	2022-23	Completed

FOUNDATION TESTING

SGAPL offers services for various Foundation Testing like Dynamic Load Test (High Strain) on pile (DLT), Integrity Test (Low Strain) test on pile (PIT and PET), Cross hole Sonic Logging Test (CHUM) on RCC Pile, Static Compression Load, Lateral Load, and Pullout Test on RCC Pile.



LIST OF FOUNDATION TEST

- Dynamic Load Test (High Strain) on pile (HSDLT)
- Integrity Test (Low Strain) on pile (PIT / PET)
- Cross hole Sonic Logging Test on pile (CHUM)
- Vertical Static Compression Load Test on pile
- Lateral Load Test
- Pullout Test

MAJOR PILE DYNAMIC LOAD TEST CARRIED OUT IN RECENT PAST

- i) ESIC Project (Medical College & Hospital) at Joka, Kolkata. (Under L&T and EPIL)
- ii) RCC Overhead reservoir at Barrackpur, North 24-Pgs. (Under KMWSA)
- iii) Jair Bridge (Road Bridge), Pandua, Hooghly. (Under Irrigation & Waterways Directorate, Govt. of W.B)
- iv) RCC overhear reservoir at Ward no. 5 of Bally Municipality (Under KMDA)
- v) Road Bridge at Rajarbathan, Singur, Hooghly. (Under Irrigation & Waterways Directorate, Govt. of W.B)
- vi) NTPC Thermal Power Plant Project at Salakati, Assam.
- vii) CPWD project of Kendriya Bihar (Phase-ii) at Belgharia Expressway, Kolkata.
- viii) Six different Road Bridge over South Swaraswati River at six different site of Hooghly and Howrah. (Under Irrigation & Waterways Directorate, Govt. of W.B).
- ix) PWD-WB project of proposed Academic Building of Aliah University, Park circus, Kolkata-14.
- x) NHAI project of Road Bridge at NH-34, Krishnagar–Baharampore section under NHDP Phase -III.
- xi) DVC project of Road Bridge at Birbhampur, Durgapur.
- xii) Hospital Building, Jalpaiguri District Hospital, PWD, Jalpaiguri Division
- xiii) Tribeni Constructions Ltd, Nazirgung, Howrah.
- xiv) Tribeni Tissues Vidyapith, Chandrahati, Hooghly under Creation Engineering Co, Kolkata.
- xv) Metalik Fuel Private Limited at Samraipur, Gokulpur, Kharagpur Plant, Paschim Mednipur.
- xvi) Tata Hitachi, Kharagpur under Addwatt Power Solutions Pvt. Ltd.
- xvii) GBC Infrastructure Private Limited, Kolkata
- xviii) Ahluwalia Contracts (India) Limited, Kolkata.

Besides the above job on high strain dynamic load test, we have also conducted static load tests on several important project sites throughout the country.

GEOPHYSICAL TESTING

SGAPL offers services for various Geophysical Tests like Seismic Refraction, Cross Hole Shear Wave, Down Hole Shear Wave, Dipole–Dipole Sounding, Ground Utility, Vertical Electrical Sounding, and Underground Water Survey.



LIST OF GEOPHYSICAL TESTS

- Seismic Refraction Test
- Cross hole Shear Wave Test
- Down hole Shear Wave Test
- Electrical Resistivity Test
- Vibration Parameters Measuring

MAJOR JOBS EXECUTED WITHIN THE LAST 5 YEARS

Sl. No.	Description of job	Site Location	Year of Execution	Principal Client	Type of Execution	Job Done Through
1	10 nos. Seismic Cross hole Test for 5x800MW YADADRI THERMAL POWER STATION at Veerlapalem village, Dameracherla Mandal, NALGONDA	Nalgonda, Telangana	2016-17	Telangana State Power Generation Corporation Limited	3 rd Party investigation	Aimil Limited; Delhi
2	Geophysical Cross hole Seismic Investigation and Seismic Refraction Survey done for construction of National Institute of Technology, Aizawl Projects under IRCON	Aizawl, Mizoram	2017-18	Ircon International Engineering company, Delhi	3 rd Party investigation	Constell Consultants Pvt. Ltd., CF-38, Sector-I, Salt Lake City, Kolkata – 700 064
3	Geophysical Cross hole/ Down hole Seismic Investigation and Seismic Refraction Survey done for Proposed CPP Project inside Tata Steel Plant, Kalinganagar, Jajpur District, Odisha.	Kalinganagar, Jajpur District, Odisha.	2018-19	Tata Steel Ltd.	3 rd Party investigation	Aimil Limited; Kolkata
4	2 no. Seismic Cross hole Test for NTPC Solapur Plant,	Solapur District, Maharastra	2018-19	NTPC	3 rd Party investigation	C E Testing Company Pvt. Ltd
5	3 no. Seismic Cross hole Test for NTPC Mouda Plant,	Nagpur District, Maharastra	2018-19	NTPC	3 rd Party investigation	C E Testing Company Pvt. Ltd
6	1 no. Seismic Cross hole Test for Structwel, MIA House	P-26, MIDC Industrial Area, Hingna Road, Nagpur-440016	2019-20	Structwel	Direct	
7	1 no. Seismic Down hole Test for TFL Site, Odissa	Talcher Fertilizers Ltd. Odissa	2020-21	Swayin & Associates	Direct	

8	1 no. Seismic Cross hole Test for SAIL	SAIL, Bokaro.	2021-22	SAIL	3 rd Party investigation	SKM Geosurvey
9	Seismic Refraction Test for P.S. Group	Kolkata	2022-23	P.S. Group	3 rd Party investigation	JP
10	Seismic Downhole Test for NMDC	NMDC, Jagdalpur	2022-23	NMDC	3 rd Party investigation	JP

GPR SURVEY

Ground penetrating radar survey is a non-destructive geophysical method that produces a continuous cross-sectional profile or record of subsurface features, without drilling, probing, or digging. Ground penetrating radar (GPR) profiles are used for evaluating the location and depth of buried objects and to investigate the presence and continuity of natural subsurface conditions and features. It is a high-resolution geophysical method, which is based on the propagation of high frequency electromagnetic waves. The GPR method images structures in the ground that are related to changes in dielectric properties. In sediments, the water content primarily causes the changes in dielectric properties. This new Survey started by this Organisation in 2022-23.

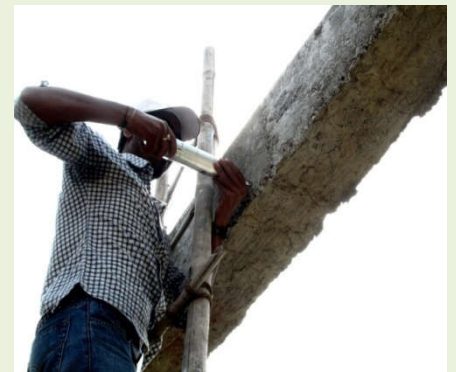
MAJOR JOBS EXECUTED

Description of job	Site Location	Year of Execution	Principal Client	Type of Execution
GPR Survey inside Budge Budge Generating Station of CESC Ltd	Pujali, South 24 Parganas	2022-23	CESC Ltd.	Direct
GPR Survey inside ArcVac ForgeCast Pvt. Ltd.	ArcVac Industrial Park, NH-2, Post Panchghara Bazar, Hoggly-712306	2022-23	ArcVac ForgeCast Pvt. Ltd.	Direct



ND TESTING

Hammer Test, Rebar locator, Half Cell Potentiometer Test (CANIN+), Resistivity Test, Chemical Test, Concrete Core collection and its Strength test, Vibration measurement on structure and ground.



LIST OF ND TESTS

- Ultrasonic Pulse Velocity Test
- Rebound Hammer Test
- Rebar locator
- Concrete Core collection and its Strength test
- Vibration measurement on structure and ground
- Half Cell Potentiometer Test
- Resistivity Test & Chemical Test

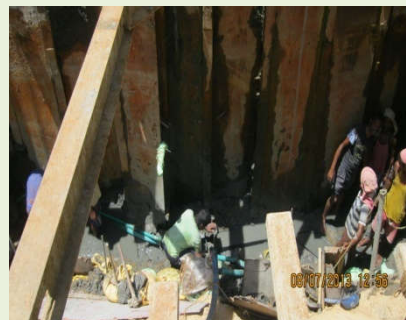
MAJOR JOBS OF ND TESTING EXECUTED WITHIN THE LAST 5 YEARS

Sl. No.	Client	Description of Job	Job Value in Lakhs	Year of Execution
1.	Haldia Petrochemicals Ltd., Tower 1, Bengal Eco Intelligent Park (Techna), Block EM, Plot No. 3, Sector V, Salt Lake, Kolkata - 91	Health Assessment of Different Equipment and Tank Foundations, Cooling Tower Structure etc. by Conducting Different Non Destructive Tests Inside Haldia Petrochemicals Plant	2.23	2016-17
2.	Constell Consultants Pvt. Ltd., CF-38, Sector-I, Salt Lake City, Kolkata – 700 064	Condition Survey for Bridge No. 37 & 27 in connection with proposed New B.G. Line between Jiribam-Tupul (Imphal), N.F. Railway	3.96	2017-18
3.	Sudip Sur & Associates Shibpur, Howrah	Non-Destructive Test on G+7 building, DD-3 & 4, Sector-I, Saltlake, Kolkata-700064	0.90	2020-21
4.	Cheviot Company limited, Kolkata	Non-Destructive Test on Existing Roof Shed Structure, Budge-Budge	1.1	2020-21
5.	Amritesh Industries Pvt. Ltd. Angul, Odissa	Health audit of the existing rotary kiln foundation with the Non-destructive tests viz. rebound hammer test & rebar scanner test.	0.8	2021-22

6.	EIS Planners & Engineers, 25P, Selimpur Road, Kolkata 700 031	ND Testing for assessing the health of VIDYASAGAR MANCHA Bldg. at No-P-85/3,Nani Gopal Roy Chowdhury Avenue, Ward-55, Br-VI	0.96	2021-22
7	SRIJANI, B70,Narkel Bagan, Garia , Kolkata-700084	Health Assessment study of Alambazar Math	0.6	2021-22
8	Sudip Sur & Associates Shibpur, Howrah	Non-Destructive Test at Gitanjali Apartment, 48/2B, Gariahat Road, Kolkata-700019.	0.435	2021-22
9	INTACH, Kolkata	Non-Destructive Test at Command Library of Fort William, Kolkata	0.3	2022-23
10	Acropolly Ninomiya Pvt. Ltd.	Non-Destructive Test at Vidyasagar Industrial Park, Midnapore	0.6	2022-23

SOIL STABILIZATION BY GROUTING/ RESTORATION OF RCC STRUCTURE / DRILLING / WATER PROOFING

Where poor ground conditions make traditional forms of construction expensive, it may be economically viable to attempt to improve the engineering properties of the ground before building on it. This can be done by reducing the pore water pressure, by reducing the volume of voids in the soil, or by adding stronger materials. SGAPL provided all kind of ground improvement.



MAJOR JOBS EXECUTED IN RECENT PAST

Sl. No.	Client	Description of Job	Job Value in Lakhs
1	National Project Construction Corporation Ltd.(N. P. C.C), Khuga Dam Unit, Churachandpur, Manipur	Curtain Drilling and Grouting in Earthen Dam at Khuga, Manipur	8.32
2	Superintending Engineer, Jaldhaka Hydel Project, West Bengal State Electricity Board	Drilling and Grouting Work at Downstream of Desilting Chamber of Jaldhaka Hydel Project.	6.29
3	Nabadiganta Industrial Township Authority.	Water Proofing work for about 5.0 Mtr. high basement floor of the existing Administrative Building of Nabadiganta Industrial Township Authority at GN-20, Sector-v, Salt Lake , Kol-700091	8.71
4	Sarada Mines Pvt. Ltd. Thakurani Iron Ore Mines Ltd. Barbil, Keonjhar District, Orissa	Strengthening and Filling, Boring and Grouting Work at Wash Plant	23.50
5	Jadavpur University Kolkata -700 032	Soil Stabilization Work Surrounding the Pump House Pit of Garden Reach Water Works by Grouting with Mixture of Cement , Bentonite and Fly Ash Slurry within the Soil.	70.00
6	Superintending Engineer, Circle, TT Sector, K.M.D.A	Rehabilitation and Retrofitting Work of The Existing Ambedkar Bridge at E.M. Bypass, Kolkata	62.34
7	Additional G.M. (Civil), RITES Ltd., Project Co-Ordinator (SBV Head) for & on Behalf of K.M.C	Special Grouting by Cement along With Fly Ash including all Men, Machineries and Materials to Resists the Settlement of Road Profile on Road Over Bridge of Dhakuria, Kolkata	63.66

Sl. No.	Client	Description of Job	Job Value in Lakhs
8	Jadavpur University Kolkata -700 032	Soil Stabilization Work for the Raw Water Pump House at Water Treatment Plant within Uluberia Municipality by Grouting of Cement And Bentonite / Admixture Slurry within the Soil	28.00
9	The Assembly of God Church Vocational School. Kolkata	Soil Stabilization and Strengthening of Structural Members of the Assembly of God Church School at Tangra, Kolkata	21.09
10	Bhabha Atomic Research Centre, Trombay, Mumbai - 400 085	Soil Stabilization Work to counter liquefaction potential at RMRC Project Site, Rajarhat, New Town, Kolkata, West Bengal	135.40
11	Netaji Nagar Day College at 170/436, N.S.C. Bose Road, Regent Estate, Kolkata-700092	Construction of eight number new RCC Column along with Ground Improvement including Piling & grouting below column footings for supporting the distressed 4 storied building of Netaji Nagar Day College at 170/436, N.S.C. Bose Road, Regent Estate, Kolkata-700092	45.75
12	LARSEN & TOUBRO LIMITED CONSTRUCTION, Beside Muktapur Health Care, Talpukur, P.S. Titagarh, Barrackpore, Kolkata-700123-700120	Soil Stabilisation Work Beside Building Block -B of Police Quarter, Barrackpore	9.96

ENGINEERING SURVEY

Engineering Surveying is defined as those activities involved in the practice and application of surveying principles for the location, design, construction and maintenance and operation of engineered projects. In the past SGAPL has completed more than 30 jobs for various engineering surveys like Topographical, Hydrographical & Route Surveying with the use of state-of-art equipments like DGPS, Hand GPS, and Total Station & Digital Levels.

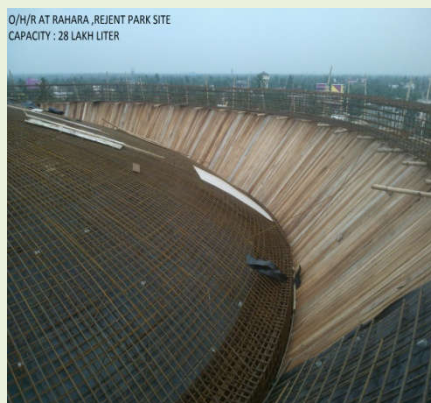


Field exploration and Testing

- Topographical Survey with DGPS, GPS & Total Stations
- Leveling by Digital Level & Auto Level instruments
- Hydrographic Survey
- Profiling, Contouring, Leveling, Curve setting, etc
- Route alignment for roads, bridges, pipelines, power lines etc
- As built survey for developed city regions
- Quantity survey after construction

RCC BORED PILING AND CONSTRUCTION OF OHR / UGR

SGAPL do execute the job of RCC bored piling work since the early 1985. A few years later SGAPL has also started commissioning (design and construction on turnkey basis) RCC over head/ elevated service reservoir and underground reservoir. We are now one of the leading Piling & water tank construction Companies in west Bengal (mostly at Kolkata) and are capable of providing all related construction value additions ranging.



MAJOR JOBS EXECUTED WITHIN IN RECENT PAST

Sl. No	Client	Job Description	Job Value (Lakhs)	Year of Execution	Execution Status
1	Executive Engineer K.C.M.D / Water Supply Sector, K.M.D.A, Baghajatin STP Complex, Kolkata-700094	Detailed Design, Drawing, and Const. & Commissioning of 2800 Cum Capacity RCC Elevated Service Reservoir including Pile Foundation at Ward No. 01 Near FCI Godown and Jessore Road Railway Crossing, Barasat.	484.40	2016-17	Completed
2	The Executive Engineer W& S Sector, KMDA,83/1A, Vivekananda Road,3rd Floor, Kolkata-700006	Detail design, Construction, Erection, & Commissioning (Civil Part only) of 2.0 MG Capacity Underground Reservoir cum Booster Pumping Station including construction of Sub-station Building at Dankuni.	1534 (Approx)	Started in 2020-21	On-going

Sl. No	Client	Job Description	Job Value (Lakhs)	Year of Execution	Execution Status
3	The Executive Engineer, Division-X, W&S Sector, KMDA	Design, Drawing, Soil test & construction of 1.5MG capacity UGR With chlorinator, supply of 4 nos. chlorine tonners neutralization pit, supply of vacuum pump & motor substation(civil part only) & RCC rectangular/Square shaped Elevated service reservoir (ESR) of 1550m3 capacity with 20m staging height with allied works with operation & maintenance of 60 months & trial run of 3months (total 63 months) at J.L.N Sarani near Ambedgarh Bhavan (ward no-1 & 2) of Konnagar Municipality on turnkey basis.	1600 (Approx)	Started in 2019-20	On-going
4	The Executive Engineer W.S. Sector, KMDA, North West Division, 2nd Floor, Block C, Unnayan Bhavan, Kolkata-700091	Design, Drawing Construction and Commissioning of RCC Elevated Service Reservoir(ESR) with allied works within Serampore Municipal Area on Turnkey basis at Firingi Road, Ward No.05, having 1700 cum Capacity, staging height 20mtr.	314 (Approx)	Started in 2018-19	Completed
5	Arkanic Private Limited	Piling and Civil Sub Structures for Proposed Hydroponics Facilities at Amta	170 (Approx)	2022-23	Completed

HUMAN RESOURCES

Sl. No.	Name	Designation	Qualification and/or Experience
1	Er. S. Ghosh	Managing Director	BE, MCE, MIGS, FIE (45 Years' Experience)
2	Er. S. K. Saha	Director	BE, M.Tech., MIE, MIGS, Chartered Engineer (IEI)
3	Mr. Uttam Ghosh	General Manager (Marketing & Business) Co-Ordinator)	B.Sc. (35 Years' Experience)
4	Prof. (Dr.) S P Mukherjee	Associate Technical Consultant	MCE, Phd, Retd. Professor of Jadavpur University (Civil Engineering Dept.)
5	Er. S. Basu	Consulting Engineer	BE, MIE, MIGS
6	Er. Mainuddin Saikh	Associate Structural Engineer	BE, M.Tech, MIE
7	Er. Aurobinda Saha	Consulting Engineer	BE, MIGS, MIWWA
8	Er. Someli Ghosh	Manager	B.Tech. (EE)
9	Mr. Suman Ghosh	Manager	Diploma (Civil) (12 Years of Experience)
10	Mr. Pappu Pal	Asst. Manager	Diploma (Civil) (10 Years' Experience)
11	Mr. Haraprasad Ghosal	Junior Manager	Diploma (Civil) (8 years' Experience)
12	Md. Habibur Rahaman	Sr. Surveyor	Diploma (Survey) (8 Years' Experience)
14	Er. Anunil Pal	Asst. Manager	B.Tech. (Civil)
15	Mr. P. K. Biswas	A.G.M (Co-Ordination)	(35 years of Experience)
16	Mr. Dilip Chakraborty	A.G.M. (F&A)	B. Com. (30 years' Experience)
17	Mr. Biswabandhu Dutta	Cashier	(22 Years' Experience)
18	Mr. Ashit Pal	A.G.M (Project)	(30 Years of Experience)
19	Mr. Prasanta Dutta	Senior Accountant	B. Com. (25 years' Experience)
20	Mr. Prabir Chkraborty	Manager (QA & QC)	B. Sc. (15 years' Experience)
21	Mr. Bishnupada Maity	Sr. Supervisor (Mechanical)	(34 Years' Experience)
22	Mr. Tapas Sarkar	Laboratory In-charge	(35 years' Experience)
23	Mr. Mandip Dutta	Sr. Supervisor	(20 Years' Experience)
24	Mr. Subhankar Chakraborty	Sr. Supervisor	B.A (Hons) (12 Years' Experience)
25	Mr. Lalan Ch. Mondal	Sr. Supervisor	(15 Years' Experience)
26	Mr. Pabitra Jana	Sr. Supervisor	(15 Years' Experience)
27	Mr. Suprakash Chandra	Supervisor (Q.A. & Q.C.)	(15 Years' Experience)

LIST OF SOIL INVESTIGATION EQUIPMENT

Field Equipment	Nos.	Laboratory Equipment	Nos.
Hydraulic Rig	04	Tri-axial Shear Test Equipments	02
Boring Rig	15	Digital Direct Shear Test Equipments	02
Drilling Rig	12	Consolidation Test Equipments (Analogue & Digital)	05
Static Cone Penetration Equipments	02	Vane Shear Test (Motorized)	01
Block Vibration Test Equipment	01	Unconfined Compressive Strength	01
Pressure Meter Equipment	01	Odometer	02
Pump-out Test Equipment	01	Rapid Moisture Meters	02
California Bearing Ratio Test Equipments	03	Proctor's Test Equipment	01
Field Density Equipments	03	Cone Penetrometer	01
Vane Shear Equipment	02	Swelling Pressure Machine	01
Permeability Test Equipment including Packer Test Setup for Rock	03	Mechanical Sieve Shaker	01
Dynamic Cone Penetration Test Equipments	04	California Bearing Ratio Test Equip	01
Plate Load Test Equipment	01	Permeability Test	01
Cyclic Plate Load Test Equipment	01	Automatic Digital Compression Testing Machine (2000 kN Capacity)	01
		Point Load Testing Equipment	01

LIST OF GEOPHYSICAL TEST EQUIPMENT

Sl. No.	Description	Make	Numbers
1.	Seismic Refraction Test (24 Channels)	PASI Geophysics, Italy	1 Set
2.	Cross hole Seismic Test (50m set)	PASI Geophysics, Italy	1 Set
3.	Down hole Seismic Test (60m set)	PASI Geophysics, Italy	1 Set
4.	Earth Resistivity Testing Equipment	Geosensor, India	2 Set
5.	Vibration Meter	Rion Co. Ltd, Japan	1 Set

LIST OF ND TEST & FOUNDATION TESTING EQUIPMENT

SI No.	Description	Make	Numbers
1	Low Strain Pile Integrity Test (PET)	Pile Test.Com Ltd, Israel.	1 Set
2	Low Strain Pile Integrity Test (PIT)	Pile Dynamics Inc., USA.	1 Set
3	Cross hole Sonic Logging Test (CHUM)	Pile Dynamics Inc.,USA.	1 Set
3	Dynamic Load Test Equipment	Pile Dynamics Inc.,USA.	1 Set
4	Schmidt Hammer	Proceq, Switzerland.	2 Set
5	Ultrasonic Pulse Velocity Test (UPV)	Proceq, Switzerland.	1 Set
6	Profoscope (Rebar Locator)	Proceq, Switzerland.	1 Set
7	Half Cell Potentiometer (CANIN+) Test	Proceq, Switzerland.	1 Set
8	Concrete Resistivity Test	Proceq, Switzerland.	1 Set
9	Concrete core cutting and testing setup	Bosch & HEICO	1 Set
10	Setup for Chemical Test on Concrete	-----	-----

LIST OF ENGINEERING SURVEY EQUIPMENT

SI No.	Description	Make	Numbers
1	Theodolite With Accessories	Lawrence & Mayo And Wilson.	5 Sets.
2	Level With Accessories (Dumpy And Tilting) And Spot Level	Lawrence, Mayo And Wilson.	5 Sets.
3	Electronic Total Station (Set610) With Accessories All Complete Set.	Sokkia	2 Sets.

LIST OF PILING & CONSTRUCTION EQUIPMENT

SI. No.	Description	Numbers
1	5 MT & 3 MT capacity single drum winch mounted with 4yda and 3yda air cooled Ruston diesel engine including tripod, bailer, casing pipe, force cutter, Tremie pipes with all accessories complete set. (Range 450 mm dia. To 1200 mm dia.)	
	3 MT winch	3 MT -- 14 nos.
	5 MT winch	5 MT -- 6 nos.
2	Static load testing equipments including pressure gauges, dial gauges and other accessories complete up to 500 MT.	4 sets.
3	Dynamic load test equipment (pile dynamic analyzer with capwap) (made in U.S.A)	1 set
4	Concrete mixture machine (10 / 7)	6 nos.
5	Concrete cube testing machine	4 sets

LIST OF DRILLING AND GROUTING EQUIPMENTS

Sl no.	Description	Numbers
1	Drilling machine including cradle : a) C. P. ----- 70 b) C. P. ----- 120 c) COMMANDO 0 - 22 mm electric d) HITACHI 0 - 35 mm electric	3 nos. 2 nos. 2 nos. 2 nos.
2	Grouting pump (triplex)...	6 nos.
3	Grinding machine (air)	2 nos.
4	Tripod for pneumatic drilling in rock.	2 sets.
5	Rotary core drilling machine for rock with tripod, drill rod, and core barrel and other accessories complete set.	3 sets
6	Drilling rod 1/ ¼ dia. With 6mm / 10mm bore.	250 RM
7	Packer set (for water test& grouting).	6 sets.
8	Miscellaneous tools & tackles, Drill bits. Etc.	Complete set.
9	Guniting machine with water tank and other assembly complete.	1 set.
10	Epoxy grouting sets with compressor.	2 sets.
12	Helican progressive cavity open mouth grout pump with gear motor of different capacity and twin grout mixed preparation tank of 300 liter capacities.	
	a) With 10 hp gear motor (fluid : cement+ water +sand, capacity 10 cum per hour)	1 set
	b) With 15 hp gear motor (fluid : cement+ water +sand, capacity 18 cum per hour)	1 set

FINANCIAL PERFORMANCE

RECOGNITION & QUALITY CERTIFICATE



NEW

NEW TOWN KOLKATA DEVELOPMENT AUTHORITY

(A Statutory Authority under Government of West Bengal)
Administrative Building, Plot No. DG/13, Premises No. 04-3333,
Action Area - ID, New Town, Kolkata - 700156.
Ph.: 033-3505-0015 (Ext. 343), Website:www.nkdamar.org

CERTIFICATE OF ENLISTMENT OF PROFESSIONAL, TRADE AND CALLING (Financial Year / Effective Date : 17/08/2022)

This is to certify that Name/Style/Logo : **S. GHOSH & ASSOCIATES PVT LTD**
at

Premises no. : 04-0702, Plot No. : IID/30, UNIT NO. EKT 5/6 - OP1, 5TH FLOOR, EK TOWER, AA-IID, NEW TOWN, KOLKATA, North 24 Parganas, Barasat Sadar, PINCode : 700161, New Town Kolkata.

having TIN **1115005820220484** has been enlisted with the New Town Kolkata Development Authority in terms of Section 36A of New Town Kolkata Development Authority Act, 2007 for **CONTRACTOR (CIVIL/MECHANICAL/ELECTRICAL), BUILDER, DEVELOPER AND ALIKE** running business.

This certificate is valid upto **31/03/2023** and is renewable.
This certificate is non-transferable.

Place : New Town
Date : 17th August, 2022.

AUTHORISED SIGNATORY

The authenticity of this document can be verified by accessing the URL: edistrict.wb.gov.in and then clicking on the "Verification of Digitally Signed Document" link and keying in the Unique Number : 0101812211001180. Page : 1

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Registered Office

**Unit no. EKT/5/6/OP1, 5th Floor, EK Tower, AA-IID/30, Premises no. 04-0702,
New Town, Kolkata, West Bengal 700161, India**

Telephone: (033) 23248053

Email: sgapl1985@gmail.com, sgaplsaltlake@gmail.com,

Web site: www.sgapl.co.in

CIN: U28991WB1985PTC038625



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

**S. GHOSH & ASSOCIATES PVT. LTD. (GEOTECHNICAL
TESTING LABORATORY)**

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

322, T.N MUKHERJEE ROAD, HOOGHLY, WEST BENGAL, INDIA

in the field of

TESTING

Certificate Number: TC-10983

Issue Date: 15/09/2022

Valid Until:

14/09/2024

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : S. GHOSH & ASSOCIATES PRIVATE LIMITED

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer

Laboratory and Godown

**T N Mukherjee Road, Uttarpara, Hooghly - 712245, West Bengal, India
Telephone: (033) 26630982**



Certificate of Registration

This certificate has been awarded to

S. Ghosh & Associates Pvt. Ltd.

162 B, A.J.C. Bose Road, Suit No. 204, Kolkata, West Bengal, 700014, India

in recognition of the organization's Quality Management System which complies with

ISO 9001:2015

The scope of activities covered by this certificate is defined below

Provision of Civil Engineering with Geotechnical Consultancy and Project Execution

Certificate Number: 53748/A/0001/UK/En

Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
13 December 2021	4	14 September 2024	4
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
14 December 2021	0	15 September 2012	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by

On behalf of the Schemes Manager



If there is any doubt as to the authenticity of this certificate, please do not hesitate to contact the Head Office of the Group on info@urs-certification.com. URS is a member of United Registrar of Systems (Holdings) Ltd, United House, 4 Histon Road, Bournemouth, 011 2EE, UK. Company Registration no. 5238466

