

PECPL

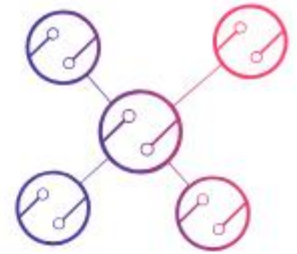
PROJECT ENGINEERING & CONTROLS PVT. LTD.

An ISO 9001:2015 Company
Survey & Geotechnical Consultants

OUR EXPERTISE

*Geophysical, Geotechnical, Hydrological
and Topographical Surveys & Investigations*





SHORT PROFILE OF THE COMPANY

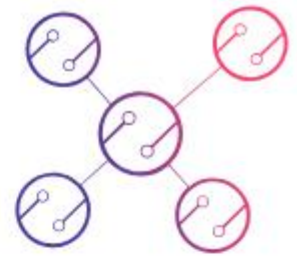
1. Name of the Company : **PROJECT ENGINEERING & CONTROLS PVT. LTD.**
An ISO 9001:2015 Company
2. CIN : **U31909WB1987PTC041744**
3. Address : **Registered & Controlling Office:**
9 Weston Street, Unit No.-215, Siddha Weston,
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West Bengal, India

Soil/ Geotechnical Work & Laboratory:
327/1/1 T. N. Mukherjee Road, Ward No. 21, Makhla,
Uttarpara-Kotrung Municipality, P.O.- Raghunathpur,
P.S.- Uttarpara, District- Hooghly, Pin- 712247, West
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ABOUT US

We are a multidisciplinary engineering consultancy firm with over 40 years of experience. Having successfully completed hundreds of projects, we have built our reputation on sincerity and dedication to engineering excellence. The loyalty of our repeat clientele speaks volumes about the quality of our work.





PECPL TEAM

We are a dedicated team of about 30 engineering professionals from a number of fields including civil infrastructure design, geotechnical investigations, GIS and topographic surveys, hydrogeological investigations, irrigation surveys etc. Our progressive working environment and well-defined processes ensure smooth operation and on-time completion of our projects. We pride ourselves for our emphasis on continuous development of our workforce by means of training support, higher education support and participation in scientific conferences.

GEOTECHNICAL ENGINEERING

Geotechnical Investigation is a critical process in assessing the suitability of the ground for construction projects. It involves a comprehensive examination of soil, rock, and subsurface conditions to determine their physical and mechanical properties. The process begins with a thorough site assessment, followed by the drilling of boreholes and the collection of soil and rock samples. These samples undergo laboratory testing to analyze characteristics such as density, strength, and composition. In-situ testing, including Standard Penetration Tests (SPT) and Cone Penetration Tests (CPT), is conducted to gather additional data on subsurface conditions. The findings are then compiled into detailed reports, providing essential information for designing foundations, assessing potential risks, and ensuring the safety and stability of the proposed structures. This meticulous investigation forms the foundation of successful construction, mitigating risks and facilitating informed decision-making for engineers and developers.



Field Exploration and Testing

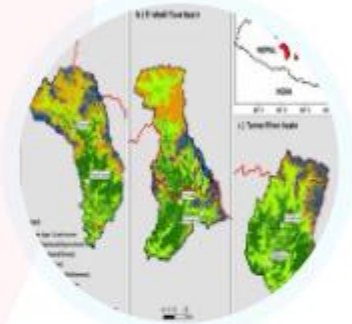
- Permeability Test in Soil (Falling & Constant Head Pumping-In)
- Trial pits with large Undisturbed Sampling, Bulk Sampling
- Permeability Test in Rock(Single Packer & Double Packer)
- Different types of Boring & Drilling Through Soil & Rock
- California Bearing Ratio Test (CBR)
- Benkelman Beam Deflection Test
- Static & Dynamic Pile Load Tests
- Dynamic Cone Penetration Test
- Pump Out Test (In Soil & Rock)
- Static Cone Penetration Test
- Percolation Test (In Trial Pil)
- Standard Penetration Test
- Pocket Penetrometer Test
- Seismic Refraction Test
- Cyclic Plate Load Test
- Block Vibration Test
- DCPT-TRL Method
- Cement Grouting
- Pile Pull-out Tests
- Vane Shear Test
- Piezometer Test
- Plate Load Test
- Axel Load Test
- DMC Piling
- Pit Profile



Soil Piling



Plate Load Test



**Remote Sensing
Geographic Information**



Land Boundary Survey



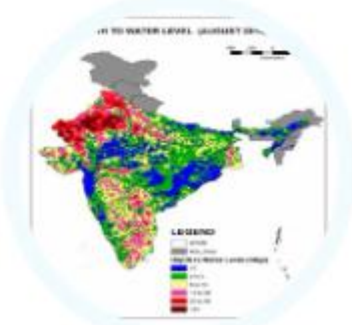
Pile Load Testing



Groundwater Survey



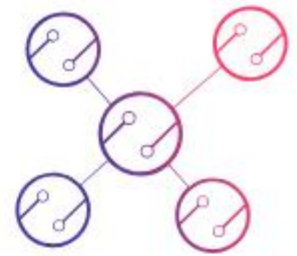
Grouting Services



Hydrological Survey



Laboratory Testing



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



Geophysical Testing

We offer services for various Geophysical Tests like Ground Utility, Vertical Electrical Sounding and Underground Water Survey.

List of Geophysical Tests

- Electrical Resistivity Test
- Seismic Refraction Test
- Electromagnetic Surveys

Engineering Survey

Engineering Surveying is an essential discipline that ensures the precise measurement and mapping of construction sites for successful project execution. The process starts with thorough site reconnaissance to understand the project requirements and environmental factors. Advanced instruments such as total stations, GPS, and laser scanners are used to capture accurate data on topography, boundaries, and existing structures. Surveyors then create detailed maps, models, and layouts, which are integral to the planning and design phases. Continuous monitoring and validation of data throughout the construction process ensure adherence to design specifications and regulatory standards. This meticulous approach guarantees the alignment, grading, and positioning of all elements within the construction site, leading to efficient, safe, and successful project outcomes.





Topographic Survey

- Detailed Topographic Survey by Total Station with GPS.
- Leveling used by Auto-Level instrument.
- Setting-out Proposed Centerline Co-ordinate with Carriageway Details.
- Long-Section and Cross Section of Stream for Hydrology and Structure Design.
- Proposal for Contouring, Landscaping of Project Facility.
- Preparation of Survey Map.



Remote Sensing & GIS Survey

Geographic Information System (GIS) services for collecting, loading, analyzing, and displaying attribute data spatially referenced (Coordinate System) to Earth. Using GIS, we can show many kinds of data on one map, such as streets, buildings, population, vegetation, rainfall, groundwater, etc., along with tools that allow editing of maps. These data on maps are also known by other terms like Land Information System (LIS), Land Use Land Cover (LULC), Environment Information System (EIS), Geospatial Information System (GIS), etc.



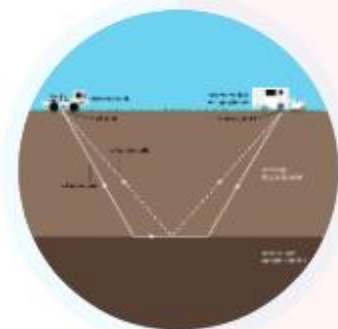
Traffic Survey

- Classified Traffic Volume Count Survey, Axle Load Survey, Origin Destination Survey, Traffic Movement Survey.
- Road Investigation is done to understand the traffic all over the year in different seasons.
- Culvert and Bridges Inventor.



Services Offered

- Pre-Feasibility Studies.
- Pre & Post Tender Engineering Services.
- Detailed Project Report (DPR).
- Traffic Analysis (MSA Calculation, BBD/FWD Analysis etc).
- Pavement Design (Rigid and Flexible).
- Hydrology Analysis for Cross Drainage Structure and Line Drain.
- Proof Check.
- Detailed Engineering Design.
- Horizontal and vertical Design, Plan and Profile Preparation for Main Carriageway.
- Service Road Plan and Profile as per IRC's provision.
- Drainage Proposal with detailed P&P Drawings.
- Major and Minor Junction Development.
- Explore bypass options with economical condition.
- Economic Anylasis, Cost-Estimate and Valuation.
- Report for Horizontal, Vertical, Carriageway Details for Construction Purpose.
- Typical and Detailed Cross Section of Project Road.
- Underground Utility Survey
- Pipeline Survey
- Bathymatric Survey
- Drone Survey



Seismic Refraction



DGPS Static



Rail Survey



Drone Survey Maps



Drone Survey

HUMAN RESOURCES

SI No.	Name	Designation	Qualification	Experience
1.	Mr. Mohammed Rampurawala	Office Manager	B-Tech	10 Yrs.
2.	Dr. Sibapriya Mukherjee	Chief Advisor	Ph.D. (IIT KGP), FIE, FIGS, CE	39 Yrs.
3.	Mr. Pradip Sengupta	Principle Consultant	ME, MIGS, MIRC, MIE,	42 Yrs.
4.	Mr. Tapas Sarkar	Consultant	Diploma Civil	38 Yrs. Experience in Field & NABL Lab
5.	Mr. Tridip Bera	Project Manager	Diploma(Bandel Survey Institute), B-Tech (Civil)	20 Yrs. Experience in Supervision of all Type Survey & Civil Work
6.	Mr. Suraj Misra	Dy. Manager (Accounts)	P.G.	19 Yrs.
7.	Riya Paul	Tender & Marketing Representative	MBA	12 Yrs.
8.	Mr. Sekhar Santra	Sr. Engineer (QC)	BE(Civil)	8 Yrs.
9.	Mr. Arunil Paul	Lab Technician	B- Tech Civil, AMIE Civil Engineering	3 Yrs.
10.	Mr. Seemab Akhtar	Hydrogeologist	M-Tech (Mineral Exploration), MSc Applied Geology	5 years' experience in R & D, Hydrogeology, Exploration Geology, Geostatistics, GIS & Remote Sensing
11.	Mr. Soutan Maity	Sr. Engineer	Diploma, B-Tech (Civil)	12 Yrs.
12.	Mr. Amit Pal	Sr. Surveyor	Diploma in Surveying Engineer	6 Yrs.
13.	Dr. Achinta Banerjee	Consultant (Geologist)	PhD, MSc (Applied Geology)	35 Yrs.
14.	Mr. Dipankar Baidya	Sr. Supervisor	Higher Secondary	23 Yrs. Experience, EX CCPL
15.	Mr. Prasanta Kr. Bhowmick	Sr. Supervisor	Graduate	30 Yrs. Experience, EX KND
16.	Mr. Manas Mandal	Supervisor	Graduate	10 Yrs. Experience, EX CCPL
17.	Mr. Krishna Kanta Sing	Supervisor	Secondary	10 Yrs.
18.	Mr. Parameswar Bhattacharya	Supervisor	Secondary	11 Yrs.
19.	Achinta Kundu	Supervisor	Graduate	15 Yrs. EX. CCPL

-: List of Soil Investigation Equipment:-

Field Equipment	Nos.	Laboratory Equipment	Nos.
Boring Rig (100m Capacity)	06	Tri-axial Shear Test equipment's	01
Drilling Rig (100m Capacity)	06	Direct Shear Test equipment's	01
Hydraulic Drilling Rig (160m. R&D)	01	Consolidation Test Equipment's (Analogue)	03
Static Cone Penetration Equipment	01	Lab Vane Shear Test (Motorized)	01
Field Density Equipment's	03	Liquid Limit apparatus	02
Block Vibration Test Equipment	01	Proctor's Test Equipment	01
Electrical Resistivity Test Equipment	01	Cone Penetrometer	01
Dynamic Cone Penetration Test equipment's	04	Swelling Pressure Machine	01
Pump-out Test Equipment	01	Mechanical Sieve	01 set
California Bearing Ratio Test Equipment	04	California Bearing Ratio Test Equipment	01
PLT & CPTL Equipment	02	Permeability Test	01
Vane Shear Equipment	01	Point Load Testing Equipment	01
Permeability Test Equipment including Packer Test Setup for Rock	02	Free Swelling	04
DCPT Test in TRL method	02	Hydrometer set	08
		Compressive Test Machine	01
		Balance 1200 gm. x0.01 mm	01
		Balance 10kg. x 0.5 gm	01
		Digital Hot Air oven	01
		Water bath	01

List of Geophysical Test Equipment

Sl. No.	Description	Make	Numbers
1	Earth Resistivity Testing Equipment	Gensensor, India	1 set

-: LIST OF ENGINEERING SURVEY EQUIPMENT :-

Sl. No.	Name of Equipment	Model	Qty.
1	DGPS With All Accessories	Trimble-2, CHCN NAV-1	3
2	Drone	DJI	1
3	Total Station With Accessories	Trimble 5" , Sokkia 5" , Leica 1 "	3
4	Auto Level	Sokkia B-40 & B-40A	3
5	Hand GPS	Garmin	5
6	Echo Sounder	Garmin	1
7	Rodometer		

OUR CLIENTS

- Central Public Works Department (CPWD)
- Bharat Petroleum Corporation Limited (BPCL)
- Reliance Industries Limited
- Power Grid Corporation (India) Limited Eastern Regional
- IBP Company limited
- National Hydroelectric Power Corporation Limited
- National Hydroelectric Power Corporation Limited
- Steel Authority India Ltd.
- HATCH Associates Pvt. Ltd/HATCH Associates PTY Limited, Australia.
- BGS-SGS-SOMA
- L & T Limited
- Vulcan Energy India Pvt. Ltd.
- Eastern Railway
- LNV Technology Pvt. Ltd.
- DID Consultants
- Hooghly Oil & Gas Terminal Pvt. Ltd. (HOGPTL)
- Vrinda Engineers Pvt. Ltd.



- IRCON International Limited. Adani Enterprises Ltd.
- Indian Oil Corporation Ltd, Bongaigaon.
- Guwahati Refinery, IOCL.
- SAIL, CET.
- Indian Oil Corporation Ltd. Pipe Line Division, NOIDA, UP.
- Kavin Engg & Services Pvt. Ltd.-Kamaraj Road
- Indian Oil Corporation Ltd., LPG Bottling Plant, Durgapur
- Ciel & Terre, India
- PWD West Bengal

Detail Works Executed Some Details Work Executed by PECPL

SI No.	Project Details	Client	Owner	Scope of Work
1.	Detailed Survey including Route Alignment work of 400 KV DC (Quad) Purnea-Biharshariff Transmission Line-PFC Project (212km.)	Jyoti Structures Ltd.	Power Grid Corporation Ltd.	<p>Route Alignment, Submission of soft & hard copy of final approved Route in AutoCAD (In DXF file along with duly marked Digitized Toposheets), Detail Survey, Tower spotting & Profile spotting using PLSCADD, Preparation & submission of Tower Schedule with all requisite details of wt. span, deviation angles, Road/River/Nala/power line/Railway crossings details in each span.</p> <p>Project Value Rs. 16.3 lacs</p>
2.	Survey & other Allied work for 66KV single circuit Transmission line from Ganesh Nagar to Peren, Nagaland-50 Km	Calwein Marketing Pvt. Ltd.	Nagaland Power & Electric	<p>Route Alignment in 3-nos of alternatives on a Digitized SOI Toposheet followed by finalization of final Route in consultation with the owner, Submission of soft & hard copy of final approved Route in AutoCAD(file along with duly marked Digitized Toposheets), Detail Survey ,Tower spotting & Profile spotting using PLSCADD, Preparation & submission of Tower Schedule with all requisite details of wt. span, deviation ,curve angled, Road/River/Nala/power line/Railway crossings details in each span. Including preparation & submission of Sag Template Curve including finalization Tower spotting data in elaborate details.</p> <p>Project Value Rs. 13 lacs</p>

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Sl No.	Project Details	Client	Owner	Scope of Work
3.	Work Order for Geotechnical Investigations at Dam Site Area of Kalai-II HEP on the River Lohit in Arunachal Pradesh	Larsen & Toubro Limited	Kalai Power Private Ltd., a subsidiary company of Reliance Power Ltd.	<p>Geotechnical Investigation including core drilling (350 RM) at Upstream Dam site and core Drilling of 1125 RM at Downstream Dam site, Powerhouse, Riverbed, Tailrace Tunnel, Surge shaft, Borrow pit for Rock for Dam construction aggregates etc. The Geotechnical Investigation also included undertaking SPT in overburden of all the Bore holes and carrying out packer Test followed by preparation Geotechnical Investigation Report.</p> <p style="text-align: center;">Project Value Rs. 88.26 Lacs</p>
4.	Geotechnical Investigation (Soil Investigation for Self Bearing Capacity) for the proposed 500 TP Crusher Plant at Barbil, Orissa.	Khatau Narbhera m & Co.	Khatau Narbhera m & Co.	<p>Geotechnical Investigation including soil Boring, Core Drilling, collection of samples, Logging, Laboratory Testing, Preparation of Geotechnical Investigation Report including Graphs, Chart, calculation of Load Bearing capacity, Foundation Types to be adopted for Bunkers Conveyor Route, Primary & Secondary Crushers etc.</p>
5.	Geotechnical Investigation for the proposed city office & mines office at Barbil, Orissa.	Khatau Narbhera m & Co	Khatau Narbhera m & Co.	<p>Geotechnical Investigation including soil Boring, SPT, collection of samples, Logging, Laboratory Testing, Preparation of Geotechnical Investigation Report including Graphs, Chart, calculation of Load Bearing capacity, Foundation Types for both City Office & Mines office and final recommendation for adoption of foundation types etc.</p>

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SI No.	Project Details	Client	Owner	Scope of Work
6.	Survey work for 400KV D/C Twin ACSR Moose Line from proposed 765KV SS Phagi to proposed 400KV SS Ajmer and from proposed 765 KV SS Phagi to 400KV SS Heerapura	.G.E.T Power Pvt. Ltd. (taken over by Hythro Power Corporation Ltd.)	RRVPNL	<p>Undertaking Detailed Survey in a finally selected Route, Tower spotting & Profile spotting using PLSCADD, Preparation & submission of Tower Schedule with all requisite details of wt. span, deviation angles. Road/River/Nala/power line/Railway crossings details in each span. Including Preparation & submission of SAG Template Curve and finalization of Tower spotting details for Final execution of Transmission Line and carrying out Check survey during project execution stage.</p> <p style="text-align: center;">Project Value Rs. 16.6 lacs</p>
7.	Geotechnical Investigation & other services including Hydro-Geological Investigation for Preparation of DPR for Chiria/ Manoharpur Iron ore mine plant and other infrastructure facilities for crushing & screening plant of 7.0 Mtpy ROM capacity with provision for expansion to 15.0 Mtpy ROM Iron ore crushing Plant, Beneficiation plant and other facilities.	Hatch Associates India Pvt. Ltd.	RSP/RMD (SAIL)	<p>Geotechnical Investigation for a Host of structure for Development of 8.0 Mtpa at Chiria / Manoharpur Iron ore Mines, plant, Infrastructure facilities e.g Crusher Plant, Long Distance Conveyor, Beneficiation Plant, Tailing Dam, Intake Pump House, Intake structure, Township, Electrical Substation etc. Also Under taking ERT, Permeability Test, Ground water studies, collection of proposed Plant peripheral dug well data, Historical Hydro meteorological data, including that of Koira & Kona River falling across the study area and finally preparation of a comprehensive Hydrological Investigation Report including Graphs, Chart, calculations, Ground water Modelling Recommendation etc. All such details were required for preparation of a Detailed Project Execution Report (DEPR).</p> <p style="text-align: center;">Project Value Rs. 24.81 lacs</p>
8.	Survey, Mine Geotechnical, Plant Geotechnical, Hydro Geological, Bulk Sampling for Bench Scale & Pilot Scale Test work at Rowghat & Dalli-Rajhara Iron Ore Complex to enable to prepare a Detailed Project Report (DPR) for the development	Hatch Associates India Pvt. Ltd.	BSP (SAIL)	<p>This is one of the Biggest assignment in the country falling within our ambit of operation on single window basis and was awarded by HATCH Pty (Through their Indian counter parts namely HATCH Associates India Pvt. Ltd) in consultation with SAIL/BSP right from Tender evaluation stage through an International bidding. The project was aimed at Iron ore Development Execution Report (DEPR) of capacity to handle Iron ore of 14.0 Mtpa. Our Ranges of Services included entire gamete of Sub-surface & on surface services as are required</p>

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8.	of Rowghat Iron Ore Deposit for 14.0 Mtpa.			<p>for preparation of DEPR with Australian state of Art Technology. The Various structure included Rich Iron ore deposit (Iron content more than 61%) Mine of Rajghat covering a Total Mining area of 2000Ha, Primary & Secondary Crushing facilities, Train Load out facilities at Rajghat Township at the outskirts of Deposit area falling in Narayanpore District HQ, Train unloading facilities at Plant area in Dalli- Rajhara of total plant area more than 500Ha (At a distance of 80Km from Rowghat Deposit), Beneficiation, product Stockpile and Train load out facilities at Dalli- Rajhara, Tailing Dam at an approximate distance of 2Km from Plant facilities at Dalli-Rajhara, Augmentation of Town ship at Dalli-Rajhara. Our entire scope of Services were included to cater the full Technical requirement of HATCH for from Indian operation for their preparation of DEPR e.g Undertaking Topographical & contour survey (Total area was more or Less 2700), Mine Area Boundary Demarcation, DGPS Survey, Satellite Imagery, Mine & Plant Geotechnical Study Slope stability Study in Mine pit area, Oriented Core Drilling, Geological & structural Mapping of entire Mine area, Plant area Geotechnical study for all the structures falling at both Mine & Beneficiation plant area including all the Laboratory Testing & In-situ Test like SPT, PLT etc., Hydrogeological Study of both the area including ground water modelling with State of the Art Software's, Pump out/In Test (Drawdown Test), Iron ore characterization and Bulk sampling for Bench scale and Pilot scale Test work, Geomorphological study at water Intake point</p> <p style="text-align: center;">Project Value Rs. 9.45 crores</p>

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9.	Supervision of Geotechnical Investigation, Sample testing & report preparation for project at Koira, Dist.- Sundergarh, Orissa	SPS GeoMining Solution Pvt. Ltd.		Supervising Boring & Drilling and to provide Full Technical Support like carrying out SPT, Collection & methodical marking of all the samples, Transportation of collected samples to the Testing Laboratories for determination of Engineering properties followed by preparation of Geo Technical Investigation Report including all graphs, charts, compilation of Laboratory Test Results, computation of Load Bearings ,settlement, Size wise depth wise bearing capacities of foundation Types i.e Raft, Stipe, piling etc followed by final recommendation
10.	.Work Order for Contour Mapping in Arunachal Pradesh for proposed Cement Plant	Comcast Cement Industries Ltd.	Comcast Cement Industries Ltd.	12Desk Top study of proposed altere Location of a cement Plant including field verification of all the 3-nos of alternatives as were indicated by the owner, Selection of Final site for the cement plant and preparation of Contour & Topographic Survey plan of the finally selected options.
11.	Work Order for Geotechnical Investigation	KNR-JKM (JV)	PWD, Arunachal Pradesh	Geotechnical Investigation including of both the 2-nos of ROB soil Boring, Core Drilling, collection of samples, Logging, Laboratory Testing, Preparation of Geotechnical Investigation Report including Graphs, Chart, calculation of safe Load Bearing capacity, Foundation Types to be adopted for each of pier including Bridge Span etc. Project Value Rs. 12 lacs
12.	Survey work for proposed administrative & Residential Building at New Town, Kolkata	Union Bank Of India	Union Bank Of India	Topographical & contour survey in field including identification of Boundary Line of the owner/Client. and Submission of Final Topographical and Contour plan with the location of each Boundary Pillars.

Detail Works Executed Some Details Work Executed by PECPL

SI No.	Project Details	Client	Owner	Scope of Work
13.	Geotechnical Investigations including Drilling of Bore Holes, Testing of Sample etc. in Nepal portion of alignment from Km 52.336 to Km 68.700 in connection with "Gauge Conversion & Construction of New Broad Gauge Railway Line from Jaynagar (India) - Bardibas(Nepal)	IRCON International Ltd.	IRCON International Ltd.	<p>Boring of 6" Dia holes and/or NX size core Drilling, Collection of UDS DS, SPT samples, core samples throughout the entire Route of 16.5Km Which includes Large no's (75nos) of Minor Bridges and 2-Nos Major Bridges, one of the Major Bridge were across Ratu River which called for well Type Foundation because Huge discharges during Monsoon at Bardivas & Railway Line were to be laid over the said Bridge. The study also included structure wise Sample Testing both for Soil and Rock for their Engineering parameters, Structure wise 75 nos. of Geotechnical Investigation Report including Graphs, Charts ,compilation of Lab. Test Results, Calculation of safe Load Bearing capacity, Scour depth, Foundation Type and its sizes & depth etc.</p> <p style="text-align: center;">Project Value Rs. 22 lacs</p>
14.	Soil Testing in Bongaigaon Refinery	Indian Oil Corporation Ltd. Bongaigaon Refinery	Indian Oil Corporation Ltd. Bongaigaon Refinery	Geotechnical Investigation including soil Boring, Core Drilling, collection of samples, Logging, Laboratory Testing, Preparation of Geotechnical Investigation Report including Graphs, Chart, calculation of Load Bearing capacity, Foundation Types for LPG Bullets & allied facilities.
15.	Geotechnical Investigation & preparation of Report in connection with the PMC work for proposed siding of Dugda Coal Washery, Pathardih Coal Washery of 2.5 MTPA and Pathardih Coalk Washery of 5.0 MTPA.	RITES Ltd.	RITES Ltd.	Geotechnical Investigation including soil Boring, Core Drilling, collection of samples, Logging, Laboratory Testing, Preparation of Structure wise (Large no's of Minor Bridges) Geotechnical Investigation Report including Graphs, Chart, calculation of Load Bearing capacity and recommendation of sizes of each Minor Bridges including span.
16.	Topographical & Contour Survey work for proposed Fertilizer Complex	Projects & Development India Ltd. (PDIL)	Hindustan Urvarak & Rasayan Ltd.	Topographical & contour survey including identification of Boundary Line of the owner/Client and Submission.of.Final.Topographical.and

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16.	at FCIL, Sindri (Jharkhand)			<p>Contour plan with the location of each Boundary Pillars followed by supply and erection of RCC Boundary pillar at each Turning point. The Total area was 811 Acres including the area where the old Fertilizer Plant exists. The Topographical Feature of each unit operation of existing Fertilizer complex were identified with their precise Location & Elevation identification of old water storage facilities & OH storage Tank along with Two proposed alternative locations for locating new water storage facilities with pipe Line Route details from storage facilities Battery Limit to the new proposed Fertilizer Complex.</p> <p style="text-align: center;">Project Value Rs. 7.4 lacs</p>
17.	Geotechnical Investigation of Soil at Parsa Coal Washery Site	Adani Enterprises Ltd	Adani Enterprises Ltd	<p>Geotechnical Investigation including soil Boring, Core Drilling collection of samples, Logging, Laboratory Testing, Preparation of Geotechnical Investigation Report including Graphs, Chart, calculation of structure wise calculation of Load Bearing capacity at each Location of Trestle support, Foundation Types Conveyor Route etc. at PEKB Coal Block for their coal handling plant of 5.0Mtp</p>
18.	Geotechnical Investigation & Topographical Survey for the proposed Gas Compressor Station and facilities at Makum fields, Assam.	HAL Offshore g Ltd.	Oil India Ltd.	<p>Carry forward of of X, Y, Z values from 2-nos of existing/Authenticated BM Pillars, Construction & erection of new BM pillars within the new plant area where the proposed Gas compressor station facilities at Makum Were proposed to be housed followed by undertaking contour & Topographic survey of the entire proposed plant and also calculation of Volume of Land fill up requirement upto HFL of the area. The scope were also included undertaking Geotechnical Investigation comprising soil Boring, Core Drilling, collection of samples, Logging, Laboratory Testing, Preparation of Geotechnical Investigation Report including Graphs, Chart, calculation of safe Load Bearing capacity including computation of settlement criterion, Size wise/Depth</p> <p style="text-align: center;">Project Value Rs. 7 lacs</p>

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18.				<p>wise bearing capacities for different Types of Foundation namely Strip footings, Raft Type, Pile capacity etc. The study was also included to undertake Ground Temperature at different depth and carrying out ERT survey at different Location as per Wenner configuration.</p>
19.	<p>Geotechnical Investigation Report, Contour & Topographical Survey Plan Map for New Tank Truck Loading Facility (TTLF) at IOCL Bongaigaon Refinery</p>	<p>Kavin Engg & Services Pvt. Ltd.</p>	<p>Indian Oil Corporation Ltd. Bongaigaon Refinery</p>	<p>Carry forward of of X, Y, Z values from 2-nos of existing/Authenticated BM Pillars inside the Refinery to a nos. of Prominent structures within the extended plant area where the proposed TTLF facilities were proposed to be located followed by undertaking contour & Topographic survey of the entire demarcated area of proposed additional facilities. The scope was also included undertaking Geotechnical Investigation comprising soil Boring, Core Drilling ,collection of samples, Logging, Laboratory Testing, Preparation of Geotechnical Investigation Report including Graphs, Chart, calculation of safe Load Bearing capacity including computation of settlement criterion, Size wise/Depth wise bearing capacities for different Types of Foundation namely Strip footings, Raft Type etc. The study was also included to carry out ERT survey at different Location as per Wenner configuration and submission of an exclusive Report for such Resistivity survey including</p>
20.	<p>Annual Rate Contract for Soil Investigation & Topographical Contour Survey at Guwahati Refinery</p>	<p>Indian Oil Corporation Ltd. Guwahati Refinery</p>	<p>Indian Oil Corporation Ltd. Guwahati Refinery</p>	<p>Annual Rate Contract for Land Survey in any form or manner, Geotechnical Investigation & other related services both in Land & in water Bodies in any form or manner (including River). Apart from normal in situ Test(e.g SPT, ERT) /Laboratory Test as per applicable norms as described in almost all such titled services as described above against above mentioned host of projects /assignment, the yearly contract included almost entire ranges of In situ Test like Plate Load Test, Cyclic</p>

Detail Works Executed Some Details Work Executed by PECPL

SI No.	Project Details	Client	Owner	Scope of Work
20.				<p>PLT, Field Vane Shear Test, Static Cone penetration Test, Percolation Test in Trial Pits, DCPT, Seismic Refraction Test, Field permeability/Packer Test etc.</p> <p style="text-align: center;">Project Value Rs. 49.9 lacs</p>
21.	<p>Conducting Soil Test to ascertain Soil Bearing Capacity for construction of proposed 3 x 900 MT Mounded Bullet Facilities at LPG Bottling Plant, Durgapur</p>	<p>Indian Oil Corporation Ltd. Indane LPG Bottling Plant, Durgapur</p>	<p>Indian Oil Corporation Ltd. Indane LPG Bottling Plant, Durgapur</p>	<p>Undertaking Geotechnical Investigation comprising soil Boring, collection of samples, Logging, Laboratory Testing, Preparation of Geotechnical Investigation Report including Graphs, Chart, calculation of safe Load Bearing capacity including computation of settlement criterion, Size wise/Depth wise bearing capacities for different Types of Foundation namely Strip footings, Raft Type, Pile capacity etc. The study was also included to undertake Ground Temperature at different depth and carrying out ERT survey at different Location as per Wenner configuration.</p>
22.	<p>Survey work and providing assistance in acquiring new ROQ under replacement of initial 8 km section in Paradip-Balasore section of PHBPL line</p>	<p>Indian Oil Corporation Ltd. Pipelines Division, Paradip</p>	<p>Indian Oil Corporation Ltd. Pipelines Division, Paradip</p>	<p>Carrying out detailed engineering survey of the pipeline route for laying cross country pipeline, Soil resistivity surveys, Soil Stratification Survey, Cadastral Survey of the pipeline route and other activities including procurement of latest revenue/ village maps including development of the computer software, Providing services for establishing Right of users (ROU) in Right of way (ROW) as per P&MP Act, 1962.</p> <p style="text-align: center;">Project Value Rs. 13.7 lacs</p>
23.	<p>Carrying out the total Land Survey by Topographical survey/digital survey of land in HAL Township</p>	<p>Hindustan Areronautics Ltd., Avionics Division, Hyderabad</p>	<p>Hindustan Areronautics Ltd., Avionics Division, Hyderabad</p>	<p>Carrying out the total Land Survey (inside and outside factory) by using DGPS and Total Station.</p>

Detail Works for Current Years & Running Project at PECPL

SI No.	Project Details	Client	Owner	Scope of Work
1.	Private Rly. Survey with DGPS at Baihata Station, Guwahati, Assam	S.R. CHAUDHURI CONSULTANCY SERVICES	S.R. CHAUDHURI CONSULTANCY SERVICES	Control Point fixing, Topographical Survey with contour, Plot Digitization & GIS with AutoCAD drawing for Private Rly. Siding Project
2.	Conducting Detailed Survey of 'Proposed By-Pass Andal & Sitarampur Railway	Eastern Railway (Indian)	Eastern Railway (Indian)	Control Point fixing, Topographical Survey with contour, free marking, Centerline & boundary pillar fixing, Plot Digitization & GIS with AutoCAD drawing for Andal- Sainthiya By-pass & Barachak-Sitarampur, Jhanjha Line By-pass in Asansol Division.
3.	Assessment of Land compensation of MUML Project, Pkg-D 132KV Transmission Line	Sterlite Power	Assam State Development Authority	GIS, Assessment of Land compensation of MUML Project, Pkg- D 132KV Transmission Line at North Lakhimpur, Assam Project Value Rs. 7.5 lacs
4.	Soil Investigation for BSc. Nursing Collage (G+7 stored), Suri Sadar Hospital, Birbhum	PWD, Suri Division, Birbhum, W.B.	PWD, Suri Division, Birbhum, W.B.	Soil Investigation for BSc. Nursing Collage (G+7 stored), Suri Sadar Hospital, Birbhum
5.	Soil Investigation for all over Murshidabad, PWD, Murshidabad	PWD, Murshidabad Division, W.B.	PWD, Murshidabad Division, W.B.	Soil Investigation for all over Murshidabad, PWD, Murshidabad. Project Value Rs. 9 lacs
6.	Soil Investigation	Rajbir Construction Pvt. Ltd.	NH-53 (NH-5A)	Soil Investigation of Rehabilitation and Up gradation from 4-8 Lane of Chandikhole (Km.-0.00) to Paradip, under NH- (Km.76.588) Section of NH-53 (old NH-5a) from Km. 39.000 to Km. 60.000 in the state of Odisha on Hybrid Annuity Mode as per details. approved rate mentioned below.

Detail Works for Current Years & Running Project at PECPL

SI No.	Project Details	Client	Owner	Scope of Work
7.	Soil investigation for Ambuja Cement Plant, Farakka	Ambuja Cement, Farakka	LNVT TECHNOLOGY Pvt. Ltd	Soil investigation for Ambuja Cement Plant. Farakka. Murshidabad
8.	Work-Order for Drilling of Big Diameter Tube wells of various Diameters at Locations of various districts i.e. Birbhum, 24-Parganas (both North & South), Midnapur (East & West), Jhargram, Murshidabad etc. throughout in the state of West Bengal	PHE Jal Jiban Mission	RL & SONS Development Pvt. Ltd.	Drilling of Big Diameter Tube wells of various Diameters & various Location in the state of West Bengal Project Value Rs. 96 lacs
9.	Soil Investigation, Sankrail Ambuja Cement Plant	Ambuja Cement Ltd.	LNVT TECHNOLOGY Pvt. Ltd.	Boring/Drilling, Sampling, Testing & making report for ACL Sankrail Wagon Tipler foundation.
10.	Soil Investigation	WB-PWD, Kandi-BERHAMPORE, MURSHIDABAD, WB	WB-PWD, Kandi-BERHAMPORE, MURSHIDABAD, WB	Boring/Drilling, Sampling, Testing & making report for ACL Sankrail Wagon Tipler foundation.
11.	Soil Investigation for Water Supply, JJM Project	PHE Jal Jiban Mission	R. Sandesh Infravision Pvt. Ltd. & RMN INFRASTRUCTURE LIMITED	Boring/Drilling, Sampling, Testing & making report for Over Head Water Reservoir. Project Value Rs. 49 lacs
12.	Inspection & checking "Horizontal & Vertical Alignment and Level" of Bullet Train (Mumbai-Amedabad Section) Steel Bridge Manufacturers at Panagarh, West Bengal	VRINDA ENGINEERS PVT. LTD	VRINDA ENGINEERS PVT. LTD	Inspection & checking "Horizontal & Vertical Alignment and Level" of Bullet Train (Mumbai-Amedabad Section) Steel Bridge

Detail Works for Current Years & Running Project at PECPL

SI No.	Project Details	Client	Owner	Scope of Work
13.	Soil Investigation & Topographical Survey	DID Consultants	DID Consultants	Kalaikunda Air force DRDO Project Project Value Rs. 1 lacs
14.	Soil Investigation (Drilling) Farakka &	Ambuja Cement Ltd.	LN V TECHNOLOGY Pvt. Ltd.	Boring/Drilling, Sampaling, Testing & making report for ACL Farakka Wagon Tipler foundation.
15.	Topographical Survey for Proposed ROB at LC No.49, Kaliachak	S.R. CHAUDHURI CONSULTANCY SERVICES	S.R. CHAUDHURI CONSULTANCY SERVICES	Topographical Survey for Proposed ROB at LC No.49, Kaliachak

40 YEARS

ANNIVERSARY