



**COMPANY PROFILE**

**GEOSTRUCT KEY**



**ISO 9001:2015**

# **GEOSTRUCT KEY** **SOLVATION AND** **ENGINEERING SERVICES** **LLP.**

Kolkata office:-R.A.K.Rd, Satgachi, Kolkata, 700055

Web:- [www.geostruct.solvation@gmail.com](http://www.geostruct.solvation@gmail.com)

E mail:- [geostructkeysolvation@gmail.com](mailto:geostructkeysolvation@gmail.com)

**An ISO 9001:2015 Certified Company having  
branch at Cuttack and Kolkata.**

**CONTACT PERSONS:-**

**Mr. Koushik Chatterjee**

**Mr. Arpan Sahoo**

**Mr. Sourav Pal**

## Our Company Structure

❖ All important services we Offer are-

### ❖ Deep Foundation Quality Assessments

- ❖ *Pile Integrity Test (PIT/PET)*
- ❖ *Static Vertical Load Test*
- ❖ *Lateral Load Test*
- ❖ *Pull Out Test*
- ❖ *Plate Load Test*
- ❖ *High Strain Dynamic Load Test (HSDLT / PDA)*



### ❖ Non-destructive Test and Concrete Health Check

- ❖ *Ultrasonic Pulse Velocity (UPV)*
- ❖ *Rebound Hammer (Concrete/Mortar/Brick)*
- ❖ *Rebar Locator / Thickness Test*
- ❖ *Concrete Core Test*
- ❖ *Ground Penetration Rader (GPR)*
- ❖ *Carbonation Test*



# COMPANY PROFILE

## ❖ Geotechnical Investigation

- ❖ *Soil Exploration*
- ❖ *Geo Technical Laboratory Testing*
- ❖ *Standard Penetration Test (SPT)*
- ❖ *ERT, Field CBR*



## ❖ Bridge Health Check

- ❖ *Bridge Span Load Test in Static Process*
- ❖ *Bridge Span Load Test in Dynamic Process*
- ❖ *Concrete Strength Check of Bridges*



**For Survey works  
Contact  
9735574908**



## ❖ Architectural & Structural Design and Drawing.

### ❖ Survey & Data Collection

### ❖ Boring of Deep Foundation (Pilling)

# COMPANY PROFILE

Sl. No.	Name	Designation	Qualification
1.	Koushik Chatterjee	Designated Partner	B.Tech -Civil, Pursuing PGDOM, LBS & Empanelled Structural Engineer of KMC , Govt. Of W.B.
2.	Sourav Pal	Designated Partner	B.Tech - Civil , Dynamic Test & NDT Specialist
3.	Arpan Sahoo	Designated Partner	B.Tech , Pile Integrity Specialist , Dynamic Test & NDT Specialist,
4.	RohanBisai	Technical Advisor	B.Tech -Civil , M.tech -IIT Rourkella , Phd- Geotechnical IIT Khargapur
5.	AdityaNugroho-Indonesia	Technical Advisor	PDI Advanced Certified Offshore Engineer- Indonesia , CAPWAP SPECIALIST
6.	Debjyoti Das	Geotechnical Advisor	B.Tech -Civil , M.tech , Chartered Engineer
7.	Tanmoy Das	Senior Structural Engineer	B.Tech -Civil , M.tech , Chartered Engineer
8.	Arpita Chatterjee	Legal Advisor	BA -LLB , LLM (BL)
9.	Souvik Chatterjee	Pile Integrity Test Engineer	B.Tech - Civil
10.	Anirban Chatterjee	Accounts	B.Com
11.	Amaresh Nandi	Pile Dynamic / Pile Integrity Test Engineer	Diploma , Pursuing B.tech -Civil
12.	AneeshChaulia	Draftsman / Auto-Cad Specialist	B.Tech -Civil
13.	Papai Adak	Architectural Head	Diploma , Pursuing B.tech -Civil
14.	Tapan Jana	Piling Site Manager	B.Tech -Civil
15.	VivekMitra	Technical Advisor	B.Tech -Civil , M.Tech -IIT Roorkee



## Geotechnical Engineering Division

- Geotechnical engineering division priority is to study the behavior of earth materials, study of soil mechanics and rock mechanics to investigate subsurface conditions and materials; to determine the relevant physical/mechanical and chemical.
- Properties of materials; to evaluate stability of natural slopes and soil deposits; to assess risks] posed by site conditions; to design earthworks)) and structure foundations; and monitor siteconditions, earthwork and foundation! Construction. For every client our project team.
- Begins with a review of project needs to define the required material properties. Then follows a site investigation of soil, rock, fault distribution and bedrock properties on and below the area of interest to determine their engineering properties including how they will interact with, on or in a proposed construction. Site investigations are done to gain an understanding of the area in or on which the engineering will take place. Investigations include the assessment of the risk to humans, property and the environment from natural hazards such as earthquakes, landslides, sinkholes, soil liquefaction, debris flows and rock falls. Then we determine and designs the type of foundations, earthworks, pavement sub-grades requirement for the intended man-made structures to be built. Foundations are designed and constructed for structures of various sizes such as roads, high-rise buildings, bridges, medium to large commercial buildings, drainage siphons, culvert and smaller structures etc. Foundations design for built-structure, retaining structures, earthworks measures are prepared by experienced engineers.



## Soil Field Test Equipment

- Field CBR Apparatus
- S.P.T. Apparatus
- Monkey 63.5KG
- U.D.S.
- Ms. Plate for Modulus of Sub-Grade Reaction, Pile Load & Plate Load Test.
- Standard Viscometer
- Flash & Fire Point Apparatus
- Loss on Heating



## Piling Division

- ❖ Since its inception we have been involved in numbers of significant pile foundation works of
  - Bored piles (Drilled Shaft) through DMC tripod rig.
  - TMR (Truck mounted rotary rig) any kind of soft soil.
  - Shoring pile.
  - Driven Piles (Reinforced Concrete and Spun).
  - Micro Piles and deep open excavation for measure commercial and industrial project.
  - Marine Structure piles and Steel 'H' piles.
- ❖ Our piling core competence is currently Building Construction Authority, measure bridge , ROB, FOB and river bed tower line foundation project work.

- A Key to the Structural Profession*
- Basically this type of **(TMR)** truck mounted Rotary mud piling rig are working in all type of loose soil strata like (fine sand, sandy clay, black cotton soil etc.)
  - **Eng. Mechanical Rig Setup** :Having 6nos.of truck mounted Rotary Rig. its hydrologic label adjust , 2 way chain pulley break drum heavy winch loaded with 42ft height hydraulic opening &folding mass setup, inbuilt automatic rotation mud pump,100mm size drill rode with 8 silencer heavy engine ,welding ,cutting ,tools complete etc.
  - **DMC Tripod piling Rig : Having:** 6 Nos of Rig set
  - Working through out Orissa its mechanical setup with completes all accessories Ballard, chisel 8nos rock cutter chisel , dmc rod each up to 30 mtr line casting setup trimmed hoper etc.
  - AUGER PILING RIG: 4 Nos.

# COMPANY PROFILE



## Survey & Data Collection Division

- Our Company's ground force comprises of trained and experienced surveyors for high
- Precision survey and location based data collection. We maintains a state of the art precision survey infrastructure that includes ground based reference station for differential GPS surveys, dual frequency DGPS receivers capable of RTK surveys, single 'frequency receivers for control surveys, handheld GPS units for location based data collection and
- Advanced Electronic Total Station instruments. We have 50 manpower consisting of ITI, Diploma and Degree engineers. The survey services include:
  - Topographic surveys / Hydrographic surveys / Terrain Analysis
  - Layout and topographic surveys
  - Demarcation and DGPS surveys of forest boundary using differential GPS
  - DGPS survey of forest area proposed for diversion for developmental/ infrastructure projects
  - Demarcation and survey of mine lease boundary.
  - Design and Fixation of Ground Control Point
  - Precision boundary surveys including boundary demarcation through staking out operations
  - Alignment surveys for linear projects (power line, pipeline, road, railways, canals, etc)
  - Layout surveys
  - Topographical surveys including contouring
  - Alignment survey of canals, roads, pipelines, power lines, etc
  - Location based attribute data collection on site specific projects

# COMPANY PROFILE

- Cadastral surveys
- Road Survey



## SOME OF OUR PREMIUM CLIENTS (DIRECT / INDIRECT)





# COMPANY PROFILE



- ✚ National Thermal Power Corporation
- ✚ National Highway Authority of India
- ✚ Bharat Heavy Electricals Limited
- ✚ PWD Odisha
- ✚ South Eastern Railway
- ✚ Eastern Railway
- ✚ N F Railway
- ✚ Odisha Space Application Centre
- ✚ L & T Construction
- ✚ S P Singla Construction Pvt Ltd
- ✚ TATA Steel
- ✚ Vedanta
- ✚ HPCL
- ✚ IOCL
- ✚ BPCL
- ✚ Aditya Birla
- ✚ Adani Group
- ✚ STUP Consultancy
- ✚ Chaitanya Projects Consultancy Pvt Ltd
- ✚ Arkitechno Consultants India Pvt Ltd
- ✚ NALCO Odisha
- ✚ Odisha Power Generation Corporation Limited
- ✚ SVOGL
- ✚ Brahmaputra Group
- ✚ IVRCL

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GEOSTRUCT KEY

# COMPANY PROFILE

✚ SIMPLEXINFRASTRUCTURELTD.

✚ RKD Construction

✚ Shree BalajiEngicons Pvt. Ltd.

✚ VNR Infra

✚ Hindalco IndustriesLimited

✚ JagabandhuEnterprisersPvt. Ltd.

✚ Pratyusha Resources & Infra Pvt. Ltd

✚ MaconsInfratech Pvt. Ltd.

✚ Shiv-vani oil & gas Exploration services Ltd.

✚ Gupta Power Infrastructure Limited

✚ Kudanda Engineering Pvt. Ltd.

✚ Rajveerr Construction Private Ltd.

✚ IDCO, Bhubaneswar

✚ ARSS Infrastructure Projects Ltd.

✚ VA TECH Wabag Ltd.

✚ MaaTarini Associates

✚ GeotiesInfratech Pvt. Ltd.

✚ Sai Infra Projects Pvt. Ltd.

✚ ABC Ingicon Pvt. Ltd.

✚ MI Division, Jajpur

✚ PioneerGeomaticsPvt.Ltd.

✚ TheMillenniumConstructionCo.

✚

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..... And Many More.

# COMPANY PROFILE

## Some of our recent and on-going Pile Integrity Testing Projects:-

Name Of Work	Client / Contractor / Consultant Name
Jhargram Medical College	West Bengal Medical Services Corporation LTD./ Simplex Infrastructures Ltd.
Construction Of H.L. Bridge Over River Maliguda At 1/900km. On Mutamba - Dhuliput Road Of Chitrakunda Block Under Malkangiri (R & B) Division	Superintending Engineer (R&B) Division, Malkangiri./ Sri Birendra Kumar Nayek
Proposed Admin Block Building at Vidyasagar Industrial Park, Khargapur	Sika India pvt. Ltd. / Veda Pile foundation.
Ultra- tech Cement, Sonar Bangla Project	Ultra-Tech Cement LTD.
Proposed industrial high shed with crane gantry (at shop no 20) at kachrapara west Bengal.	Eastern Railway Construction Department Sealdah Division/ Borha- Cosmic- MAPL(J.V.) / Sinha & associates.
BRIDGE ON CANAL AT CHAINAGE 6.50k.m ON KHESORE TO SUNDARPUR ROAD NEAR VILLEGE KHESORE.PKG.NO WB-13-202	W.B.S.R.D.A MURSHIDABAD DIVISION, MURSHIDABAD 2.P/ JIT CONSTRUCTION, KHARGRAM, MURSHIDABAD.
Construction of Composite Bridge over River Dharala at ParishalaTarabari to Devi Colony in Changrabanda under Mekhliganj Block. District: Cooch Behar	North Bengal Development Department. / M/s. Tusfa Constructions.
CONSTRUCTION OF 5*13.0 M SPAN RCC BRIDGE WITH PILE FOUNDATION OVER RIVER BRANCH OF KAPALESHWARI AT DANGRA ON 4.30 KM OF TO2-PINGLA TO KALUKHANRA ROAD BLOCK-PINGLA, DISTRICT PASCHIM MEDINIPUR.	EXECUTIVE ENGINEER, W.B.D.R.D.A. NH DIVISION-II, PASCHIM MEDINIPUR. / GOUTAM CHANDRA GHOSH.
Vikdas to Kota Road.	Hoogly Construction Sub-Division /Mahmood Associates Pvt.Ltd.
Constriction of Sarbamanglaghat bridge Pkg no – WB 03 788	The executive engineer WBSRDA Bishnupur Div., Bankura, W.B. / Recan Engineers. Co. Operative Society Ltd.
CONSTRUCTION OF RCC BRIDGE OVER JHUMI RIVER AT MONSUKHA UNDER GHATAL BLOCK, DISTRICT-PASCHIM MEDINIPUR [PACKAGE NO. PaschimMedinipur/Bridge/RIDF-XXVI	THE EXECUTIVE ENGINEER WEST BENGAL STATE RURAL DEVELOPMENT AGENCY PASCHIM MEDINIPUR DIVISION-I / Kar&Kar&Kar Construction Pvt. Ltd
Earthwork in formation, Construction of Major & Minor Bridges, Retaining wall, Drains, Supply of PSC Sleepers, Turnouts Sleepers, Supply of Ballast,P. Way fittings & Track linking works, Construction of Building & allied works for proposed shifting of Y-Curve siding (near Jharsuguda), taking off from Brajrajnagar&Lajkura Stations on Howrah-Mumbai main line between BPH-BRJN section of S. E. C Railway Bilaspur.	MCL/RITES. / Shree BalajiEngicons Ltd.

# COMPANY PROFILE

Name Of Work	Client / Contractor / Consultant Name
Birth Hospital	Gotinirman / prakalpa planning solution pvt. Ltd.
Construction of Bridge under PMGSY-I of Batch-1 (2018-2019) over Gadinala at Sagardighi in Murshidabad district.	The Executive Engineer, WBSRDA (WEST BENGAL STATE RURAL DEVELOPMENT AGENCY), Murshidabad Division under PMGSY ( PRADHAN MANTRI GRAM SADAK YOJANA) / M.S. BUILDERS
ROAD OVER BRIDGE AT LC NO 214	SOUTH EASTERN RAILWAY / BrahmaniEngicon Private Limited
BRIDGE OVER DHARALA RIVER AT CH 14400M WITHIN PMGSY ROAD TO 5-DWANHAT TO CHANDAMARI CONSTRUCTION OF BRIDGE OVER DHARALA RIVER ONT-05 DWANHAT COOCHBEHAR DISTRICT.	EXECUTIVE ENGINEER, WBSRDA, COOCHBEHAR-II DIVISION, COOCHBEHAR / DINHATA CO-OPERATIVE LABOUR CONTRACT AND CONSTRUCTION SOCIETY LTD.
2-1 ANANTA (PH-III), AT-KALARAHNGA, BHUBANESWAR	TE LTD ECH 2-EASTERN PRIVATE LTD. / RING ZANARDHAN NIRMAN
CONSTRUCTION OF RCC DOUBLE LANE ROAD BRIDGE AT CHATRA KRISHNANAGAR OVER RIVER AMODAR AT GP UNER KOTULPUR BLOCK UNDER CANALS DIVISIONS NO-III, BISHNIPUR, BANKURA. (REF: N.I.T. NO. 6(e) of 20-21, Sl. No.1)	BANKURA ZILLA PARISHAD. / GOUTAM CHANDRA GHOSH
ASSOTECH SUN GROWTH LLP	NG Assotech pride growth LLP / ODI PKS CONSTRUCTION LLP
CONSTRUCTION OF BRIDGE AT THUKRABARI OVER RIVER (60mtrs) IN THE DISTRICT OF UTTAR DINAJPUR	TEO TEC NORTH BENGAL DEVELOPMENT DEPARTMENT. TATO. / M/S S. K. BANERJEE & CO.
PROVISION OF STORAGE ACCOMMODATION FOR MES AT CGRA, PARADEEP.	M/S SHASHANKA SEKHAR PATNO

## Some of our recent and on-going Vertical Load Test and Dynamic Load Test

### Projects:-

Name Of Work	Client / Contractor / Consultant Name
Construction of Sluice over Kalnagini brunch khal at Refugee Colony within Mouza - Akshoynagar, P.S & Block - Kakdwip, District-South 24 Paraganas	Executive Engineer, Kakdwip Irrigation Division, Kakdwip, South 24 Paraganas / Baba Loknath Construction
Vikdas to Kota Road.	Hoogly Construction Sub-Division / Mahmood Associates Pvt.Ltd.
CONSTRUCTION OF MINOR BRIDGE OVER CHANDBAUNSAMULA CREEK AT CH. 7/ 990 KM ON RAJNAGAR DANGAMAL- TALCHUA ROAD IN THE DISTRICT OF KENDRAPARA	Kendrapara (R&B) Division, Kendrapara
Construction of HL Bridge over River Boda at 81/780KM of KBABB(SH-30) Road in the district of Ganjam, Under state plan.	Bhanjanagar R&B Division Bhanjanagar, Ganjam

## COMPANY PROFILE

Construction of 5x13.0 m Span RCC Bridge with pile foundation River Branch of Kapaleshwari at Dangra on 4.300 km of T02- Pingla to Kalukhanra Road, Block- Pingla, District-PaschimMedinipur.	Executive Engineer, WBSRDA, NH Division-II, PaschimMedinipur./ Goutam Chandra Ghosh
Bridge on Rangiumkhal at change 1.23 km on Atmajhia to Dhankamra Road near village Chunpara, Package no- WB-24 Bridge ADB-05	Executive Engineer, WB SRDA, Jhargram Division-1, Jhargram. / Kar&Kar&Kar Construction Pvt. Ltd
Improvement of drainage congestion of GurerKhal by Construction of Pump House & Sluice and re-excavation of GurerKhal of length 4.30 km & SutirKhal-I from a length 1.00 km in Block ans P.S. - Panchla, District- Howrah. (Work order no - 741E Dt. 15.05.2020)	Executive Engineer-I Lower Damodar Construction Division, I&W Directorate, Govt. of West Bengal, Fuleswar, Uluberia, Howrah. / Das Enterprise 27B, Chittranjan Avenue, 3rd Floor, Kol-700072
CONSTRUCTION OF RCC BRIDGE OVER JHUMI RIVER AT MONSUKHA UNDER GHATAL BLOCK, DISTRICT-PASCHIM MEDINIPUR [PACKAGE NO. PaschimMedinipur/Bridge/RIDF-XXVI	THE EXECUTIVE ENGINEER WEST BENGAL STATE RURAL DEVELOPMENT AGENCY PASCHIM MEDINIPUR DIVISION-I / Kar&Kar&Kar Construction Pvt. Ltd
Catalytic De-Waxing Unit-Ii Project	IOCL Haldia / Worley
Construction and Upgradation of existing 2-lane with paved shoulder of Bagracot to Kafer section of NH-717A from Km. 0.000 to Km. 13.000 on EPC basis under SARDP-NE Phase 'A' in the State of West Bengal (Package IVA).	NHIDCL, PMU Kalimpong. / M/s Yongma Engineering Co. Ltd. In JV with Redecon (1) Pvt. Ltd. and in Association with CHO & Kim Engineering Pvt. Ltd.
Construction of 5nos of Major Bridges and 06 nos Minor Bridges under Package-1 of the proposed dedicated Coal Corridor from Bankibahal to Bhedabahal.	Public Works Department, Odisha. / Shree Balaji Engineers Limited
Construction of Submerged Bridge over TartiapalNauah on gundhi – Tartiapal Road in the District of Kendrapara	RULAL WORKS DIVISION, KENDRAPARA. / Sri Birendra Kumar Navak

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<b>Name Of Work</b>	<b>Client / Contractor / Consultant Name</b>
CONSTRUCTION OF HL BRIDGE AT MALPADA JORA OF CHARBHAL - CHILLAKPUR ROAD MDR-120 AT 3/500 KM. UNDER KALAHANDI (R & B DIVISION)	R & B DIVISION, BHAWANIPATNA. / M/S Suresh Agarwal & Co / E.L.C. (Civil), Odisha, Bhubaneswar.
Construction Of H.L. Bridge Over River Maliguda At 1/900km. On Mutamba - Dhuliput Road Of Chitrakunda Block Under Malkangiri (R & B) Division	Superintending Engineer (R&B) Division, Malkangiri./ Sri Birendra Kumar Nayek
Proposed Admin Block Building at Vidyasagar Industrial Park, Khargapur	Sika India pvt. Ltd. / Veda Pile foundation.

**SOME OF OUR OTHER PROJECTS:-**

# COMPANY PROFILE

<b>Name Of Work</b>	<b>Client Name</b>
<b>Structural Health check of boundary wall at Kalinga Nagar</b>	<b>TATA Steel</b>
<b>Piling of 1200 mm cast in situ pile, PIT, Pile Load Test, Lateral Load test</b>	<b>VNR Infra</b>
<b>Geotechnical Investigation and Compacting Load Test of 1200mm Dia upto maximum load of 504mt and PIT</b>	<b>Shree Balaji Engicons Pvt. Ltd.</b>
<b>Soil Investigation at BCDD-1 &amp; Khurdha Division of CESU</b>	<b>Jagabandhu Enterprises Pvt. Ltd.</b>
<b>Conducting of footing load test at proposed CHP area for Ananta CHP</b>	<b>Shiv-vani oil &amp; gas Exploration services Ltd.</b>
<b>RCC cast-in-situ bored piling work in Sambalpur.  PIT and Pile Load Test</b>	<b>Hindalco Industries Limited</b>
<b>1200mm dia cast-in-situ Bored Piling @NH-2015  PIT and Pile Load Test</b>	<b>Pratyusha Resources &amp; Infra Pvt. Ltd</b>
<b>500mm dia piling for the structure of Anandapur irrigation Project and PIT.</b>	<b>Macons Infratech Pvt. Ltd.</b>
<b>Conducting of footing load test at Bunker area for Ananta CHP</b>	<b>Shiv-vani oil &amp; gas Exploration services Ltd.</b>
<b>Construction of pile foundation on the Mahanadi river bed of 132KV Nuapatnabanki Transmission line (OPTCL)</b>	<b>Gupta Power Infrastructure Limited</b>

# COMPANY PROFILE

<b>Piling work at Berhampur and Pile Dynamic Load Test.</b>	<b>Kudanda Engineering Pvt. Ltd.</b>
<b>PLT at SundipurPansa HL bridge over Koel River</b>	<b>Rajveerr Construction Private Ltd.</b>
<b>Construction of "improvement of existing road from OSIC to GayatiPharma at Cuttack</b>	<b>IDCO, Bhubaneswar</b>
<b>Construction of 1200mm dia piling work at Bramhani H.L Bridge. PIT and Load Test (Static and Lateral)</b>	<b>ARSS Infrastructure Projects Ltd.</b>
<b>Construction of Pile foundation on Baitarani Riverof 132KV Bhdadrak-Anandapur Transmission Line. PIT</b>	<b>Gupta Power Infrastructure Limited</b>
<b>Construction of RAS Pumping station for Bhubaneswar</b>	<b>VA TECH Wabag Ltd.</b>
<b>Pile Load test and PIT of 500mm diapile .</b>	<b>MaaTarini Associates</b>
<b>Pile Load Testing (Various)</b>	<b>GeotiesInfratech Pvt. Ltd.</b>
<b>Construction of Commercial Building at College Sq. Cuttack Load test and PIT</b>	<b>Sai Infra Projects Pvt. Ltd.</b>
<b>Piling &amp; Pile Load Test</b>	<b>ABC Ingicon Pvt. Ltd.</b>
<b>Construction of Dam for MI project, Jajpur.</b>	<b>MI Division, Jajpur</b>

## COMPANY PROFILE

Load test and PIT	
Construction of 5nos of Major Bridges under Package-1 of the proposed dedicated Coal Corridor from Bankibahal to Bhedabahal  Static Load test, Dynamic Load test, Lateral Load test, PIT	Public Works Department, Odisha
Provision of strong accommodation for Mes at CGRA, Paradeep  PIT	ShashankaSekharPalno
TALCHUA ROAD IN THE DISTRICT OF KENDRAPARA.  PDA and PIT	R & B Division Odish
Z-1, AnantaCph-III, Kalinganagar.  PIT	Ahluwalia Contracts India Ltd

# GEOSTRUCTURE KEY

CERTIFICATION

*A Key Towards Structural Perfection*



# Certificate of Registration



This is to Certify That The Quality Management System of

## **GEOSTRUCT KEY SOLVATION AND ENGINEERING SERVICES LLP**

RANIR BAZAR, RANI SIMULIA, GHATAL WEST MEDINIPUR-721212,  
WEST BENGAL, INDIA.

has been audited and conformed to be in accordance with the requirements of

## **ISO 9001:2015**

The Quality Management System is Applicable to :

PROVIDING CONSULTANCY OF CIVIL & ELECTRICAL  
ENGINEERING, LABORATORY TESTING OF SOIL, PILE,  
BITUMEN, AGGREGATE AND FIELD TESTING  
LABORATORY SERVICES.

Certificate No	: QCH36422	Issuance Date	: 25/04/2022
Initial Registration Date	: 25/04/2022	Date of Expiry	: 24/04/2025
Date of Expiry	: 24/04/2025	1st Surve. Due	: 25/03/2023
1st Surve. Due	: 25/03/2023	2nd Surve. Due	: 25/03/2024

  
Director



### **Aambitious Assessment Pvt. Ltd.**

D-9, Sector 03, Noida, Gautam Buddha Nagar, Uttar Pradesh - 201301, India.

e-mail: [info@aapcertification.in](mailto:info@aapcertification.in), website: [www.aapcertification.in](http://www.aapcertification.in)

Certificate Verification: Certificate Validity can be re-checked at [www.aapcertification.in](http://www.aapcertification.in)

This certificate is a property of Aambitious Assessment Pvt. Ltd. and shall be returned immediately when demanded

\*Validity of the certificate is subject to successful completion of surveillance audit on or before due date

**ISO 9001:2015**

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tion

# COMPANY PROFILE

## SOME WORK EVIDENCE

### DEB CONSTRUCTION

131/18 N.S.C. BOSE ROAD  
KOLKATA - 700040  
PHONE - (033) 4072 6035

Ref. No.....

Date.....

DC/BMEM/PIT/TARATALA/22-23/01 DTD 04.06.2022

To,

GEOSTRUCT KEY

Rafi Ahmed Kidwai Road,  
Harihar Nagar Colony, Shyam Nagar,  
Baguihati, Kolkata-700055  
Contact No.- 9735574908

Ref:- Your Quotation on dated 03.06.2022

Subject: Work order for 21 nos of Pile Integrity Test for the Site of Vesuvius under Deb Construction at Taralata.

Dear Sir,

With reference to your quotation, we are pleased to place this Work Order [REDACTED] our Vesuvius site, Kolkata on following terms & conditions.

Sl.No.	Description	Unit	Rate Per Unit ( in INR)
1.0	Pile Integrity Test with all necessary equipments	Per 21 Nos test	[REDACTED]
Total Amount			[REDACTED]
Amount in word :- Rupees Eight thousand only			

#### Terms & Conditions :-

1. Scope of Work:- At a time 21 Nos pile integrity test with all necessary equipments at Vesuvius Site
2. All testing instruments are in the scope of GK. All equipments should have proper updated calibration certificate.
3. Transportation charge for visit at site along with the testing kits is in the scope of GK.
4. Report should be provided by them in hard copy with authorised signatory and company Stamp.
5. Payment will be made after receiving of hard copy of test report.

Thanking You,  
For Deb construction

( Authorised Signatory )



Accepted By

*[Signature]*

( Geostruct key )

# COMPANY PROFILE



## GEOSTRUCT KEY SOLVATION & ENGINEERING SERVICES

*A Key to the Structural Perfection*  
ISO 9001 : 2015 IAF & IAS Certified Company

Phone: 9735574908/7860825024  
E-mail: [geostruct.key.solvation@gmail.com](mailto:geostruct.key.solvation@gmail.com)  
Web: [www.geostructkey.co.in](http://www.geostructkey.co.in)

DEEP FOUNDATION TESTING : PIT : Non-Destructive TESTING : GEOTECHNICAL ANALYSIS : CONCRETE TESTING :  
STRUCTURAL DESIGN : SURVEY

Kind attention  
Mr. Rabindranath Barik

Date: 03.06.2022

Subject : - "Quotation for 21 Nos. Pile Integrity Test for your project at " **Brace Bridge Project** "

Dear Sir,

This has reference to above project. We are quoting our best possible rate.

### Professional fees for the job:

Sl. no	Job description	Qty.	Rates(Rs.)
1	Pile Integrity Test and submission of all reports in proper standards.	21 nos.	21 piles / Rs. (Max. 21 piles to be tested per visit)
	GST 18% Extra		

### Client Scope:

For PIT

- Safe & Smooth access to the pile will be provided by client.
- Head preparation with proper cleaning of the pile head

### Our Scope:

For PIT

- Proper test with PIT machine and Submission of report
- Transportation of Hammer.
- Submission of Standard Report.

### Corporate Office Address:-

Rafi Ahamed Kidwai (or R.A.K) Road, Harihar Nagar Colony, Shyam Nagar, Baguihati, Kolkata - 700055  
Landmark: Dum Dum Sorbodoy Vidyapith Email: [geostruct.key.solvation@gmail.com](mailto:geostruct.key.solvation@gmail.com)  
Contact: 9735574908/7860825024/9126366320 /7003056654

Accepted  
R. Barik  
For Dab Const  
03/06/2022

**BIRENDRA KUMAR NAYAK**



Special Class Contractor  
GST IN :- 21AJPPND44IE1ZN  
CDMS NO :- 232UW784

Jeypere, Koraput, Odisha  
Mob. +91 7653985141  
MailID:kalia.nayak786@gmail.com  
PAN NO :- AJPPND44IE

Letter No- 259

## WORK ORDER

Date: 06/06/2022

File No- MKG-ARINGI-BR-01

To  
Geostruct Key Solvation & Engineering Service

Kind Attention  
Koushik Chatterjee

Sub: - Work order for the pile Dynamic Test & Pile Integrity Test work of H.L. bridge on Local Nallah near Chittrakonda on Chittrakonda Aringi road at Ch.1/50 in the district of Malkangir.

Ref: Your Quotation Date 01/06/2022

Sir,

We are pleased to provide you the work order for Dynamic Test & Integrity Test of H.L. bridge on Local Nallah near Chittrakonda on Chittrakonda Aringi road at Ch.1/500 Km in the district of Malkangir.

Hope, you will provide your best effort to complete the work in time and Co-Operate us in all respect.

SLNO	DESCRIPTION	Qty	Rates (Rs)
1	Pile Integrity test and submission of all reports in proper standards	1-20 nos	20000.00
2	High strain Dynamic load Test and submission of required report.	3.00 nos	50000.00

GST will be charge 18 % Extra

Payments condition as per your quotations

**M/S BIRENDRA KUMAR NAYAK**

*Birendra Kumar Nayak*  
PROPRIETOR



## M/s. Sarkar Brothers

Enlisted M.E.S. Contractors

Mechanical, Civil & Electricals

Mob. : 7797803077

P.O. Binnaguri  
District - Jalpaiguri  
West Bengal  
PIN - 735 203

Ref. No. : .....

Dated: 23/06/2021  
Date .....

**To Whom It May Concern**

This is to certify that **Geostruct Key Solvation and Engineering Services** R.A.K Road, Harihar Nagar ,Janbazar ,Baguihati,Kol-55 so far has successfully completed 3nos of Dynamic load testing & 450nos. Pile Integrity Test at " Bengdubi Mil Station, Darjeeling".

**Project Name:** Building & Resurfacing of Road at Bengdubi Mil Station,Darjeeling

**Owner:** Military Engineering Service, Govt. Of India

**Contractor:** M/S SARKAR BROTHERS

**Testing Agency:** Geostruct Key Solvation and Engineering Services

Scope of this work:

1. PDA-High Strain Dynamic Load Test & Pile Integrity Test

This certificate is being issued to **Geostruct Key Solvation and Engineering Services** on their specific request for the tendering purpose in which they want to participate.

M/S SARKAR BROTHERS

Subhankar Sarkar

  
Proprietor  
Authorized Signatory

# GEOSTRUCT KEY

*A Key Towards Structural Perfection*

Ref. No. ....

Date.....

**WORK ORDER**

Date – 17.2.2023

To  
GEOSTRUCT KEY SOLVATION & ENGINEERING SERVICES LLP  
R.A.K ROAD, Harihar Nagar Colony  
Shyam nagar, Baguiati  
Kolkata-700055

Mr.Koushik Chatterjee  
Mobile no. 9735574908

**Sub : Work order for Pile Integrity, Lateral Load test & Dynamic test**

Dear Sir,

With reference to your offer and subsequent discussions we had with you, we are pleased to place our Work Order for the aforesaid job at SDAH Beliaghata Diesel Shed Site.

**1.0 SCOPE OF WORK & PRICE:**

Sl No	work details	Unit	Qty	Rate
1	Dynamic Test On RCC Pile with all report & all arrangement (except Hydra & Hammer)	Nos	1.00	13.00
2	Lateral Load Test on RCC Pile with all report & all arrangement	Nos	1.00	350.00
3	Pile Integrity Test On RCC Pile with all report	Nos	18.00	13.00

**2.0 PAYMENT SCHEDULE:**

Within 15 days from the date of submission of bill.

The rate will be including GST.

Page :1

**3.0 GUARANTEE:**

You shall guarantee your work against any defects for a period of 6 months from the date of successful work completion.

**4.0 OTHERS:**

Any alteration, modification, extension, verification, deletion, amendment or any other change to this order will not be valid, unless confirmed by us in writing.

Unless permitted by us in writing, you will not divulge, publish or a cause to be published by any means whatsoever, the details concerning this order or goods covered there by.

Thanking you,

For, M/S BHARATI ENTERPRISES

M/S BHARATI ENTERPRISES

Authorised Signatory



# COMPANY PROFILE

## WORK ORDER

### Engineering Trade Centre (I) Pvt Ltd

DATE: FEBRUARY 8, 2023

MC-4, Kolkata West International City Salap Junction Howrah Amta Road & Bombay Road Crossing, NH-6, Howrah, West Bengal -711403  
GST no. 19AAACE5405G1ZW

VENDOR GEOSTRUCT KEY SOLVATION ENGINEERING SERVICES LLP.  
R.A.K.RD, SATGACHI, KOLKATA-700055

SITE ADDRESS MC-4, Kolkata West International City Salap Junction Howrah Amta Road & Bombay Road Crossing, NH-6, Howrah, West Bengal -711403

S NO.	Description	Quantity	Rate	Amount
	1.Dynamic load test & report(with all arrangements) pile quantity:-1nos			
	2. Pile integrity test & report( with all arrangements)			

1. Payment Terms as usual.
2. 30% as advance for along with your confirmed work order before test.
3. 30% payment will be paid after complete the testing job.
4. Balance amount will be paid at the time of each report submission

### Engineering Trade Centre (I) Pvt Ltd

Engineering Trade Centre (I) Pvt. Ltd

*Asit Das*  
Authorised Signatory / Certified  
Authorised Signatory

Accepted By & Signed by Vendor: -

# COMPANY PROFILE

4:25 PM

4G+ 84

## Bharat Vanija Eastern Private Limited

Phone: 2241-3114 / 2241-2708  
Fax No: (033) 2241-0844  
E-mail: [contact@bvepl.com](mailto:contact@bvepl.com)  
Website: [www.bvepl.com](http://www.bvepl.com)

REGD. OFFICE:  
126, CHITTARANJAN AVENUE,  
2nd FLOOR, KOLKATA - 700 073  
CIN : U51109WB1982PTC036302

Ref No: BV/221-23/WO

Date: 06-02-2023

To:  
GEOSTRUCT KEY  
SOLVATION & ENGINEERING SERVICES LLP,  
R.A.K Rd., Satgach, Kolkata-700055

GST: 19AAKFG7589H1ZA

Sub: Bridge Span Load Test "Four Lining of Arrah - Pararia Section of NH 319 (Old NH 30) From Km. 0+000 (Design Chainage) To Km. 54+530 (Design Chainage) on EPC Mode in the State of Bihar (Package I)".

### Reference:-

1. Your Offer Ref. No.- NIL, dated 03-12-2022.

Dear Sir,

With reference to your quotation cited above and further discussions we had with you, we are pleased to issue the Work Order for Bridge Span Load Test of the above subject road project as per the terms and conditions detailed below:

### 1. Rates

The accepted rates for items are given below -

Sr. No.	Item Description	Unit	Rate (Rs.)	Tentative Quantity	Amount (Rs.)
1	SPAN Load Test using Total station and submission of report in a standard way (Without staging preparation)	Per Span			100.00

### 2. Payment Schedule

- After completion of testing and submitted the test report Hard copy then you submitted the bill then payment will be processed.
- Water, lighting, power supply provided by us.
- Loading and Unloading our scope.
- Platform and machineries shifting (one location to another location) provided by us.



*[Signature]*

## Bharat Vanija Eastern Private Limited

Phone: 2241-3114 / 2241-2708  
Fax No: (033) 2241-0844  
E-mail: [contact@bvepl.com](mailto:contact@bvepl.com)  
Website: [www.bvepl.com](http://www.bvepl.com)

REGD. OFFICE:  
126, CHITTARANJAN AVENUE,  
2nd FLOOR, KOLKATA - 700 073  
CIN : U51109WB1982PTC036302

- Load testing drawing with loading pattern will be provided by us.

### Taxes

- Taxes shall be paid extra as per Govt. Rules. Our GSTN: 10AABC0995M1ZQ.

### Billing Details:-

- Invoice is to be raised at the following address:

15T, 0, SHANTI COMPLEX, MALYABAG, BIKRAMGANJ ROAD, NEAR HANUMAN MANDIR, VILL-KAWAL, P.O. SEMRUP-S-DAWATH, Rohtas, Bihar, 802211

- Camp Address : BHARAT VANLIYA EASTERN PVT. LTD., Jagdishpur, Near Bajwasar Road, P.S. - Dhargasia, Dist - Bhojpur, State- Bihar, Pin-802158

- Site Contact Person & No : Mr. Jaydev [REDACTED] 07, Mr. Avjit Dam [REDACTED]

Yours Faithfully,  
For BHARAT VANLIYA EASTERN PVT. LTD.,



*[Signature]*  
(Rakesh Agarwal)  
Director



# COMPANY PROFILE

**NITIGYA BUILDCON .PVT. LTD.**

**510-511, 5th, Floor, ILD Trade Centre, Sector- 47, Near Subhash Chowk, Sohna Road, Gurgaon (H.R) 122001**

**ANMOL INDUSTRIES LIMITED THAKURGANJ, BIHAR**

**Construction of Factory Buildings, Roads, Compound wall, Sanitary/Plumbing Work and Connected Jobs for Anmol Industries Limited for their Project at Thakurganj, Bihar**

S. No.	Particulars of items	Unit	Qty	Rate (Rs.)	Amount
1	Charges for vertical load test piles in accordance with IS:2911 (PART-IV) including installation of load platform and preparation of pile head or construction of test pile cap and dismantelling of test cap after test etc. complete as per specifications and direction of engineer-in-charge. For group of two or more piles.				
a)	Routine test: P4(600mm) dia. And P4A(600mm) dia. [Design load 60 ton to 65 ton]	Nos	2.00		
b)	Routine test: P1(750mm) dia. , P5(600mm) dia. and P1A(750mm) dia. [Design load 80 ton to 85 ton]	Nos	3.00		
2	Charges for mobilization and de-mobilization for load test material.	L/S	1.00		
<b>Total Amount</b>					<b>545000.00</b>

**Amount in Word : Five Lakhs Forty Five Thousand Only**

**PAYMENT:**

- Rs. 1 Lakh will be given as advance payment after reaching the labour and machine at the site premises.

**NOTE: A**

- During pile integration test given load arrangement will be in the scope of sub-contractor.
- Hydra and JCB machine will be in the scope of sub-contractor.
- Labour Hutment, water and power to be provide by NBPL.
- Fooding will be in the scope of sub-contractor.
- Accomodation for staff in subcontractor scope .
- Necessary test reports will be submitted by the Sub-contractor after the completion of work.
- Electricity for pile integration load test work will be provided by NBPL .
- Subcontractor shall be liable for solve local issues.
- Site preparation and excavation will in the scope of Sub-contractor.
- Incase, The Subcontractor discontinue the work midway, the balance retention amount at that stage shall liable to be forfeited.
- Workers below 18 years old will not be allowed to work at site.
- All testing equipment for executing the static load test will be in the scope of Sub-contractor.
- Joist members (ISMB), Hydraulic jack of suitable capacity and gauges will be in the scope of sub-contractor.

- Transportation will be in the scope of Sub-contractor.
- Labour for stacking, arrangening ad dismantling of the total arrangement will be the scope sub-contractor.
- Supervision of whole process including load stacking as well as unloading of the same will be in the scope of sub-contractor.
- No idle labour/machinery charges shall be paid to Sub-contractor.
- TDS, will be deducted from the every bills.
- GST Shall be paid Extra.

**NOTE: B** All safety norms are to be followed by Sub-contractor and his labour on project site:

- If Sub-contractor and his labour are found not following safety norms on site then a picture will be clicked and a penalty will be imposed on Sub-contractor which as follows:-
  - If labour is found violating of safety norms for first time a penalty of Rs. 1000.0 will be imposed on sub-contractor.
  - If labour is found violating of safety norms for third time then he will be moved out of site and sub-contractor which will not be entailed for any compensation.

For Nitigya Buildcon Pvt. Ltd.

(Authorized Signatory)

(Rajib Chetri)

(DGM-Contracts )

Sub- Contractor

(Geostruct Key Solvation And Engineering Services LLP)



# COMPANY PROFILE



New Town Square, Office No. : 4B  
Chinar Park, New Town, Rajarhat  
Kolkata - 700 136  
CIN : U45209AS2000PLC006108  
M. : +91 9831042764, 9903855199  
E-mail : kolkata@tribeni.in  
Website : www.tribeni.in

## WORK ORDER

TCL/KOI/WO-224/22-23

Date : 26/11/2022

### GEOSTRUCT KEY

ADDRESS: R.A.K.Rd, SATGACHI  
KOLKATA-700055

Kind Attention: Mr.Koushik Chatterjee (Contact: +91 9735574908)

E-mail -: geostruct.key.solvation@gmail.com

Subject : Work order for 500 MM DIA AGAR BORE PILE at Madhusudan Law University ,Cuttak Orisha

Ref.: (i)Your Quotation no: GSKD/2022-23/S-123

(ii) Dated: 23/11/2022

Dear Sir,

With reference to above documents and our further discussion on the above, we are pleased to place this work order on you for the work as per mentioned item descriptions, rates, terms & conditions mentioned below:

Sr. No.	Item Description	Unit	Quantity	Rate Rs.	Remarks
1	500 MM Dia Compressed Pile boring by Auger boring method up to maximum depth of 10mtr.From existing ground level and also including the cutting, binding,making the reinforcement cage and also cage lowering the case into the whole & concreting etc. including bulb at end in all complete.Welding electrodes,Binding Wire ,Bentonite and all Machinery in your Scope	Mtrs	To be fixed by EIC	●●●	

### TERMS & CONDITIONS OF CONTRACT:

- 1 You will strictly follow specifications as provided to you.
- 2 **PAYMENT:** RA bill shall be raised every month of 25th with all supporting documents and payment shall be made before 07 days.
- 3 The rates as mentioned in this work order are inclusive of all charges except GST for the item as mentioned herewith, TDS shall be deducted from your bill as per prevailing Government rate. No transportation charges shall be paid extra to you other than the unit rate as mentioned in this order GST Extra as applicable
- 4 Safety item will be chargeable and debited from the bill.
- 5 The quantity of work as certified by our engineer, than payment will be processed.
- 6 You are requested to submit the copy of PAN no & GST registration no., without which your Tax invoice bill will not be processed for payment.
- 7 The rates as mentioned in this order will remain firm and valid till the execution of mentioned quantity of items at site. You shall coordinate with our Project Office from time to time for work schedule and will strictly adhere to the same.
- 8 The complete work will be done as per instruction of our Engineer in Charge. Any defect in the work will be rectified at no extra cost to TCL, as required by our / Client's Engineer in Charge.
- 9 Time schedule for the work will be 24 Hrs. and you shall abide by the same strictly.
- 10 You shall ensure the presence of your authorized representative for day-to-day control of the work, who will be the single point of contact from your side regarding the execution work.
- 11 TCL has providing you workers colony, water and electricity facility at the out side of plant boundary.
- 12 The above said work is to be executed by you at the following Site **Madhusudan Law University ,Cuttak Orisha**
- 13 Mobilization advance Rs.50000.00 per Machine provided by TCL and same will be debited from your Bill, and you will Mobilized the machineris within 7 days from acceptance the work order.
- 14 These rates are for all the piling work, no any shifting & lifting charges will be paid extra.
- 15 The idle payment will be not consider in any following reason:- 1)Work stoped due to rain, 2) Due to workers strike, 3) Any natural incident, 4) Due to client's end, 5) Any hinderence at site,
- 16 Depending on your performance, we may have right to terminate the contract without assigning any reason to you as per our own discretion.

We are sending the work order in duplicate, please sign and return the duplicate copy of the order as a token of your acceptance.

Thanking you

**TRIBENI CONSTRUCTIONS LTD.**

TRIBENI CONSTRUCTIONS LTD.

CEO.

ACCEPTED BY  
FOR GEOSTRUCT KEY

Corporate Office : Tribeni's Commercial Complex. 2nd Floor, G. S. Road, Ulubari, Guwahati - 781 007, Assam  
Phone : 0361-2462529, Fax : 0361-2462529

# COMPANY PROFILE



## NICCO PARKS & RESORTS LIMITED

JHEEL MEEL, SECTOR IV, SALT LAKE CITY, KOLKATA - 700 106

Phone : 6628-5523 / 5560 / 5588, Fax No.: (91) 33 2357-2116, E-mail : niccopark@niccoparks.com

GSTN NO. : 19AABCN4597M1ZQ

**Order Number :** CAPEX-WP-FUNNEL & BOWL SLIDE / WO00443/22-23

**Order Date :** 10/11/2022

**To** **GEOSTRUCT KEY SOLVATION AND ENGINEERING SERVICES LLP**  
**RANI BAZAR,RANI SIMULIYA,GHATAL**  
**PASCHIM MEDINIPUR**  
**WEST BENGAL**

**Vendor GSTIN :** 19AAXFG7589H1ZA

**Vendor MSME No :**

**Location :** CAPEX-WP-FUNNEL & BOWL- DRG.6.5.1

**Department :** CAPEX-WP-FUNNEL & BOWL SLIDE

### Work Order

We are pleased to place herein our order for supply of materials / undertaking the following job as your quotation reference no.

Sl. No.	Item Code	Material Specification / Job Description	HSN / SAC	Qty	Unit	Rate	Amount	Disc. Amnt	Spl. Disc.	Delivery Charge	Packing Charges	Gross Amnt	CGST		SGST		IGST		Gross Item Value With Tax
													%	Amnt	%	Amnt	%	Amnt	
1	JCAP0001	FOR SURVEY WORK LAYOUT AND POINT MARKING AS PER DRG COORDINATION BY TOTAL STATION		7.00				0.00	0.00	0.00	0.00		9.00	3024.00	9.00	3024.00	0.00	0.00	39648.00

<b>Total :</b>																3024.00		0.00	39648.00
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Amount in Words / Thirty / Hundred / Thousand / Lakh / Crore / Rupee / Only

Price is Firm / Ruling at the time of delivery.

**Grand Total :** 39648.00

**Supply / Job Work Not Completed Within 7 Days after Expiry of Delivery Schedule will be Deemed as Cancelled.**

**Despatch From :**  
**Delivery Schedule :** 10/12/2022  
**Acknowledgement :** Please send back Order Acceptance Immediately per return.  
**Payment Terms :** 30%adv.(without GST),50% on delivery(without GST),20% on completion  
**Special Instructions :**

**For Nicco Parks & Resorts Limited**

Prepared by

Checked by

Authorised Signatory

For Detailed Terms and Conditions, please see over leaf.



# GEOSTRUCT KEY

A Key Towards Structural Perfection

## Bank Details :

1. M/S GEOSTRUCT KEY SOLVATION AND ENGINEERING SERVICES LLP
2. PAN NO – AAXFG7589H
3. G.S.T NO. – 19AAXFG7589H1ZA
4. BANK DETAILS: HDFC BANK, KESTOPUR
5. Name of Account: M/S GEOSTRUCT KEY SOLVATION AND ENGINEERING SERVICES LLP
6. AccountNo: 50200069524993
7. IFSC Code: HDFC0002492



## Health, Safety & Environment Policy

We are committed to continually improving our performance related to health, safety & Environment

We Ensure You :-

- Safe and healthy environment is provided to all it's employees at their work places.
- Safe work practices are observed at all project sites that it is associated with.
- Environment friendly practices are adopted in meeting it's own needs.
- Where relevant, environment friendly solutions are advocated to it's customers.

*A Key Towards Structural Perfection*

## **COMPANY PROFILE**

- Health, safety & Environment hazards are proactively identified and risks are assessed and controlled.
- Employees are trained to perform their work in a safe and environmentally responsible manner.
- We will implement this policy in compliance with all applicable health, safety & Environment codes and standards as well as legal and statutory requirements.



# GEOSTRUCT KEY

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