



SOIL RESEARCH LABORATORY

Building Material & Road Material Testing & Site Facility

*AN NABL ACCREDITED AND ISO 9001:2015 & ISO 14001:2015
CERTIFIED LABORATORY*



Head Office: H.N.4, Ayush Vihar 2, Jankipuram Extension, Lucknow
(U.P.)-226021



Branch Office: Jagriti Vihar, Railway Station Road, Harrawala,
Dehradun (U.K.)- 248001



+91 9650024285, 9151555491, 7007400212



soilresearchlaboratory@gmail.com

Chemical

Physical

Geo Technical

NDT

Site Facility



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H.N. 4, Ayush Vihar 2, Jankipuram Extension,

Lucknow (U.P.) – 226021

Contact No.: 9650024285, 9151555491, 7007400212

Email: soilresearchlaboratory@gmail.com

Branch Address : Jagriti Vihar , Railway Station Road, Harrawala, Dehradun

To,

Date:-

Sub:- Regarding testing of Materials

Dear Sir,

We would like to draw your kind attention and introduce ourselves (**Soil Research Laboratory**) – for the Chemical and Mechanical Discipline (A Constituent Board of Quality Council of India, New Delhi) for a vast range of various products and certified by various **government department** as well as other **PSU's and autonomous bodies**.

We are certified by **ISO 9001:2015 joint Accreditation System of Australia and New Zealand (JAS-ANZ)** member of International Accreditation forum (IAF)

We are committed to provide accurate, Prompt and reliable testing and analytical services to our Customers/Clients with impartiality and confidentiality. Analysis/Testing are Carried out under the supervision of highly qualified and experienced technical scientists as per norms of BIS/Indian Standards or International Standards (Management System and Technical requirement as per **ISO/IEC 17025:2017**)

As an independent and Third party laboratory, we are providing high quality, competitive and extremely cost effective quality evaluation testing services in the field of Building /Road/Construction Materials, and Container for Packaged Drinking Water/Packaged Mineral Water with cap, Rotational Molded Polyethylene Water Storage Tanks, Plastic feeding Bottles, Polyethylene Flexible Pouches, Thermoplastic Road Marketing, Roads Materials, Mix design(non Bituminous) for normal/reinforced concrete upto M-80 (Rigid Concrete) & job mix formula for bituminous concrete (all types of flexible concrete) and evaluation of structure, Polymer and its product, Rubber and its products, Woods and its products including furniture items, Timber, Ferrous and non-Ferrous metals and its alloys, ores and minerals, Paints and enamels, Drinking/Construction/ effluents Water, Construction Chemicals, Insulation Materials, Sanitary wares, Bath fittings, Firefighting materials, Electrical and Automotive Wire and Cables, Home appliances, NDT(Rebound Hammer Test) as per relevant specification or as specified by Government and Semi Government Departments as per Customers/Clients. We shall be highly appreciated to serve your esteemed organization and undersigned shall feel obliged.

Therefore, it is requested to your good self that my laboratory may please to approved/empaneled within your Project/Department.

Thanking You

Pavan Kumar (Director)
+91 9650024285



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Our Clients

Arts Geotech & Infra Consultant, Delhi

Carbyne Infrastructure Private Limited, Noida

YS. Engineering Consultant, Lucknow

Hetvi Construction LLP, Gujrat

Aspirative Creative Ventures Private Limited

Gaurav Builders

Ravi- Dev Yash Join Venture, Muzaffarnagar

Sharma Construction Projects Pvt. Ltd.

Rail Vikas Nigam Limited

PWD Dehradun

PWD Rishikesh

PWD Narendra Nagar

Jai Prakash Associates Limited

Rithwik Projects Pvt. Ltd.

Ansh Construction

R.K. Engineers Sales Limited

Rahee Manglam

Rahee Infratech limited

Tata Consultancy Engineering

Garware Technical Fibers

M/s Navyuga Engineering Co. Limited.



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Testing Services

Sr.No.	Material	Required Sample	Minimum Time for Testing
Building & Road Material Steel			
1	Steel Physical + Chemical	1 mtr X 3	3 Days
	Steel Physical	1 mtr X 1	1 Day
	Steel Chemical	1 mtr X 2	2 Days
2	Structural Steel Physical + Chemical	1 mtr X 2	3 Days
	Structural Steel Physical	1 mtr X 1	1 Day
	Structural Steel Chemical	0.5 mtr X 1	2 Days
3	Stainless Steel Physical + Chemical	1 mtr X 2	5 Days
	Stainless Steel Physical	1 mtr X 1	3 Days
	Stainless Steel Chemical	1 mtr X 1	5 Days
4	G.I. Product for Zink Coating	½ mtr X 1	3 Days
5	Barbed Wire	3 mtr	5 Days
6	C.I. Pipe Dimension	1 mtr	1 day
7	G.I. Pipe	1 mtr	4 days
8	PQR Test (Tensile & Bend)	1 Coupon	5 Days
9	Micro Analysis	One Weld Piece	7 Days
10	Hardness Rockwell/Brinell	One Piece	3 days
11	Chain Link Fencing	1mtr X 1	3 Days
12	SDA (Physical + Chemical)	1mtr X 1	3 Days
13	Seamless Pipe(Sample Preparation Charges)	1mtr X 1	5 days
14	Seamless Pipe (Physical + Chemical)		
Aluminum Section			
1	Aluminum Chemical	1mtr X 1	5 days
2	Aluminum Physical	1mtr X 1	3 days
3	Anodizing Coating	0.25 mtr ²	2 days



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Cement			
1	Cement (Physical + Chemical)	1 Sealed Bag	9/30 Days
2	Cement (Physical)	1 Sealed Bag	9 Days
3	Cement (Chemical)	1 Sealed Bag	5 Days
4	Cement Capsule (Gel Time at 30°C & Compressive Strength)	10 Nos	5 Days
5	Resin Capsule (Gel Time at 30°C & Compressive Strength)	10 Nos	5 Days
Fly Ash			
1	Physical + Chemical	1 Sealed Bag	30 Days
2	Physical	1 Sealed Bag	30 Days
3	Chemical	1 Sealed Bag	6 Days
Concrete			
1	Ratio of Cement, Sand in Cement Mortar	1 Kg.	3 Days
2	Ratio of Sand, Cement, Aggregate	5 Kg.	4 Days
3	Paver Block (Comp. Strength)	8 Nos	2 Days
4	Paver Block	20 Nos	5 Days
5	C.C. Cubes (Comp. Strength)	3 Nos	2 Days
6	Kerbs Stone/Channel/C.C. Blocks (Comp. Strength)	1 Nos	2 Days
7	Kerbs Stone	18 Nos	5 days
8	C.C. Beam (Flex. Stg.)	3 Nos	2 Days
9	Permeability test for Cylindrical Cube	3 Nos	4 Days
10	Design Mix IS-456-10262SP-23	C. Agg. 400 Kg Fine Agg. 200 Kg Cement 100 Kg	15 Days/40 Days
11	Admixture (Uniformity Test)	1 ltr	5 Days
12	Admixture (Physical Test)	2 ltr	35 days
13	Precast Concrete Pipe	1 Nos.	15 days
14	Man Hole Covers	3 Nos	5 Days



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15	Rebound Hammer Test (Min 5 Test Required)	One Site	1 Day
16	C.C. Core Cutting & Comp. stg.	3 Nos	5 Days
17	Sealing Compound	5 Kg.	5 Days
18	Water Proofing Compound	1 ltr.	10 Days
19	Ultrasonic Test on Concrete (Min 10 Test Required)	On Site	3 Days
Brick			
1	Burnt Clay Brick	20 Nos	10 Days
2	Fly Ash Brick	20 Nos	10 Days
3	F.P.S. Brick CPWD Speci.	20 Nos	10 Days
4	Brick Tiles CPWD Speci.	20 Nos	10 Days
5	Pulverizes Fuel Ash Lime Brick	20 Nos	10 Days
6	Sewer Brick	20 Nos	10 Days
7	Refectory Brick	5 Nos	3 Days
Tiles			
1	Ceramic Tiles	20 Nos	10 Days
2	Chequer/Terrazzo Tiles	18 Nos	7 Days
3	Vitrified Tiles	3 Nos	7 Days
4	Kota Stone/Marble	3 Nos	7 Days
Wood			
1	Flush Door CPWD Speci.	One Full Shutter	21 Days
2	Ply Wood	4"X4"	30 Days
3	Timber (Moisture & Density) CPWD Speci	1 Nos	3 Days
4	Prelaminated Particle Board	2"X2"	7 Days
5	Sun mica	1 mtr	7 Days
6	Block Board	4"X4"	7 Days
7	Chlorpyriphos (Anti termite)	1 ltr	3 Days
Bitumen			
1	Bitumen	2 Kg.	6 Days
2	Bitumen Core Cutting	1 Nos	1 Day



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3	Density	1 Nos	1 Day
4	Job Mix : GSB/WMM/WBM Job Mix: BM/BC/SDBC/DBM/PC	100 Kg/Ingredient 100 Kg/Ingredient	8 Days 12 Days
5	Bitumen Content CPWD Speci.	5 Kg.	2 Days
6	Bituminous Paint	2 Kg	11 Days
7	Bituminous Primer	2 Kg.	11 Days
8	Emulsion	2 ltr	6 Days
9	Coal Tar Tape	2 mtr	5 Days
10	Coal Tar Primer	2 ltr	5 Days
Coarse Aggregate			
1	Flakiness Index/Elongation Index / Water Absorption / Specific Gravity / Silk Content / Bulking of Sand	25 Kg	3 Days
2	Crushing Value/ 10% fine value / Abrasion Value/Organic Impurity/ Sieve Analysis (Grading)/ Impact Value	25 Kg	5 Days
3	Deleterious Material/ Alkali Reactivity/ Soundness	25 Kg	8 Days
4	Sulphate/ Chloride/ Stripping Value	10 Kg	3 Days
5	Loose / Compacted Bulk Density	30 Kg	3 Days
PVC & UPVC			
1	PVC Conduit Pipe	5 mtr	6 Days
2	PVC Rain Water Pipe	One Full Length	15 Days
3	Irrigation Pipe	One Full Length	7 Days
4	PVC Water Storage Tank	One Tank	7 Days
Soil/GSB/ Fly Ash			
1	OMC & Max Dry Density	30 Kg	4 Days
2	Plastic Index	10 Kg	3 Days
3	OMC, MDD, CBR (Un Soaked)	40 Kg	5 Days
4	OMC, MDD, CBR (Soaked)	40 Kg	8 Days
5	Grain Size Analysis (Pipette Method)	10 Kg	4 Days



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6	Degree of Compaction 1. Density By Sand Replacement Method (Min 5 Test Required) 2. Density By Core Cutter Method (Min. 10 Test Required)	On Site	1. 2 Days 2. 3 Days
7	pH Value	1 Kg	2 Days
8	Free Swell Index	1 Kg	2 Days
9	Chloride/Sulphate/ Total Solid/ Organic Impurity & Other Chemicals	5 Kg	4 Days
10	SPT (Soil Bearing Capacity)	Onsite	10 Days
11	Relative Density	On Site/ Lab	5 Days
12	Moisture Content of Soil (Oven Dry)	1 Kg	2 Days
13	Y Max & Y Min	25 Kg	2 Days
14	Shrinkage Limit	5 Kg	3 Days
15	Direct Shear Test	35 Kg	7 Days
16	Bentonite	10 Kg	7 Days
17	Borehole (Rock & Soil Drilling)	Min 10mtr depth	1 month
18	Plate Load Test (Soil Bearing Capacity)	On Site	10 Days
Water			
1	Drinking Water (Routine Test)	1 ltr + 1 St rebottle	4 Days
2	Drinking Water (Complete Test)	5 ltr + 1 St rebottle	8 Days
3	Construction Water	1 ltr	2 Days
4	Swimming Pool	1 ltr + 1 St rebottle	4 Days
5	Textile Industrial Water	1 ltr	4 Days
6	Total Coliform/ Total Plate Count /E. Coil	250 ml. in St rebottle	4 Days
7	Horticulture Water	1 ltr	3 Days
8	Raw Water	1 ltr	5 days
Air Pollution			



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1	Air Pollution (CO, Nox, PM10, Pm2.5, Pb & SO ₂)	24 Hours	5 Days
2	Noise Pollution	Per Day	2 Days
3	Noise Pollution	At Night	2 Days
4	Noise Pollution	Day + Night	2 Days



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ISO 9001:2015 QMS



Certificate of Registration

This is to certify that

SOIL RESEARCH LABORATORY

H.N.4, AYUSH VIHAR 2, JANKIPURAM EXTENSION, LUCKNOW 226021, INDIA.

has been independently assessed by QVA and is compliance with the requirement of the standard

ISO 9001:2015

Quality Management System

For the following scope of activities

TEST SERVICES OF ROAD MATERIALS, BUILDING MATERIALS, WOOD MATERIAL TESTING, NON DESTRUCTIVE TESTING, SOIL TESTING, ROCK TESTING, ENVIRONMENT MONITORING INSTRUMENTS CALIBRATION & CHEMICAL PROPERTIES OF MATERIALS.

Certificate Number: QVA-SLHV-23-1719191

To verify this certificate please visit at www.gaafs.us

Date of Certification	17 TH February 2023
Issuance Date	17 TH February 2023
1 st Surveillance Due	16 TH February 2024
2 nd Surveillance Due	16 TH February 2025
Re-Certificate Due	16 TH February 2026

Registered


Authorized Signatory



QVA Certification
CAB Address : Maryland Avenue, SW Washington, D.C. 20202
Validity of this certificate is subject to annual surveillance audits to be done successfully
This certificate is the property of QVA Certification and shall be returned immediately on request
QVA Certification is an independent Systems Products and Personal assessment Body, QVA Certification is a accredited by GAAFS.US



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Email: soilresearchlaboratory@gmail.com

Branch Address : Jagriti Vihar , Railway Station Road, Harrawala, Dehradun

ISO 14001:2015 (EMS)



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SOIL RESEARCH LABORATORY

H.N.4, AYUSH VIHAR 2, JANKIPURAM EXTENSION, LUCKNOW 226021, INDIA.

has been independently assessed by QVA and is compliance with the requirement of the standard

ISO 14001:2015 Environment Management System

For the following scope of activities

TEST SERVICES OF ROAD MATERIALS, BUILDING MATERIALS, WOOD MATERIAL TESTING, NON DESTRUCTIVE TESTING, SOIL TESTING, ROCK TESTING, ENVIRONMENT MONITORING INSTRUMENTS CALIBRATION & CHEMICAL PROPERTIES OF MATERIALS.

Certificate Number: QVA-SLHV-23-1719192

To verify this certificate please visit at www.gaafs.us

Date of Certification	17 TH February 2023
Issuance Date	17 TH February 2023
1 st Surveillance Due	16 TH February 2024
2 nd Surveillance Due	16 TH February 2025
Re-Certificate Due	16 TH February 2026

Registered


Authorized Signatory



QVA Certification
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GST Certificate




Government of India

Form GST REG-06

[See Rule 10(1)]

Registration Certificate

Registration Number : 09AESFS6739L1ZX

1.	Legal Name	SOIL RESEARCH LABORATORY			
2.	Trade Name, if any	SOIL RESEARCH LABORATORY			
3.	Additional trade names, if any	null			
4.	Constitution of Business	Partnership			
5.	Address of Principal Place of Business	TEHSIL- BAKSHI KA TALAB, JANKIPURAM VISTAR, BHAWAN NO- 4, PHASE 2, AYUSH VIHAR, LUCKNOW, Lucknow, Lucknow, Uttar Pradesh, 226021			
6.	Date of Liability				
7.	Period of Validity	From	21/06/2022	To	Not Applicable
8.	Type of Registration	Regular			
9.	Particulars of Approving Authority	Validity unknown Digitally signed by C&G PS GOODS AND SERVICES TAX NETWORK(4) Date: 2022.06.21 13:00:09 IST			
Signature					
Name	AVINASH KUMAR SHUKLA				
Designation	Superintendent				
Jurisdictional Office	Lucknow Sector- 13				
9. Date of issue of Certificate	21/06/2022				
Note: The registration certificate is required to be prominently displayed at all places of business in the State.					

This is a system generated digitally signed Registration Certificate issued based on the approval of application granted on 21/06/2022 by the jurisdictional authority.



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Legal Identity Certificate



फर्म निबन्धक, उत्तर प्रदेश के कार्यालय में

सर्वश्री मेसर्स/ **M/S SOIL RESEARCH LABORATORY**
Bhawan No.4 Phase 2, Ayush Vihar, Jankipuram Vistar,
Lucknow,LUCKNOW,226021,Lucknow,226021

के मामले में, मैं _____
एतद्वारा प्रमाणित करता हूँ कि निम्नांकित लेख, 1932 के इंडियन पार्टनरशिप ऐक्ट संख्या 9 के उपबन्धों के अनुसरण में
आज दिन यथा विधि निविष्ट और निबद्ध किये गये हैं।

फर्म के ब्योरों का विवरण-पत्र (फार्म 1)

मेरे हस्ताक्षर और मुहर से आज के दिनांक **07/11/2022** को दिया गया।



Digitally Signed By
(JAI PRAKASH)

640B32B7C6B3C47F9528435C2131D6A1750D33FC

Date: 07/11/2022 4:04:54 PM, Location: Lucknow.

फर्म निबन्धक

उत्तर प्रदेश।

शुल्क रू0: 5000.00

संख्या : 03333/2022-2023

पंजीकरण संख्या: LUC/0013470

दिनांक : 07/11/2022

PRAYANSHI, साझेदार/Partner

मेसर्स/ M/S SOIL RESEARCH LABORATORY

Bhawan No.4 Phase 2, Ayush Vihar, Jankipuram Vistar,
Lucknow,LUCKNOW,226021,Lucknow,226021

को उनके पत्र-संख्या _____ दिनांक 12/10/2022 के संदर्भ में प्रेषित



Digitally Signed By
(JAI PRAKASH)

640B32B7C6B3C47F9528435C2131D6A1750D33FC

Date: 07/11/2022 4:04:54 PM, Location: Lucknow.

फर्म निबन्धक

उत्तर प्रदेश।



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MSME Certificate

भारत सरकार Government of India		MSME																					
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय Ministry of Micro, Small and Medium Enterprises		सूक्ष्म, लघु एवं मध्यम उद्यम MICRO, SMALL & MEDIUM ENTERPRISES																					
UDYAM REGISTRATION CERTIFICATE																							
Our small hands to make you LARGE																							
UDYAM REGISTRATION NUMBER	UDYAM-UP-50-0051961																						
NAME OF ENTERPRISE	M/S SOIL RESEARCH LABORATORY																						
TYPE OF ENTERPRISE *	MICRO (Based on FY 2020-21)																						
MAJOR ACTIVITY	SERVICES (Trading)																						
SOCIAL CATEGORY OF ENTREPRENEUR	OBC																						
NAME OF UNIT(S)	<table border="1"><thead><tr><th>S.No.</th><th colspan="3">Name of Unit(s)</th></tr></thead><tbody><tr><td>1</td><td colspan="3">SOIL RESEARCH LABORATORY</td></tr></tbody></table>			S.No.	Name of Unit(s)			1	SOIL RESEARCH LABORATORY														
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1	SOIL RESEARCH LABORATORY																						
OFFICIAL ADDRESS OF ENTERPRISE	<table border="1"><thead><tr><th>Flat/Door/Block No.</th><th>BHAWAN NO - 4</th><th>Name of Premises/ Building</th><th>PHASE 2 AYUSH VIHAR</th></tr></thead><tbody><tr><td>Village/Town</td><td>KHARAGAPUR JAGEER</td><td>Block</td><td>BAKSHI KA TALAB</td></tr><tr><td>Road/Street/Lane</td><td>JANKIPURAM VISTAR</td><td>City</td><td>LUCKNOW</td></tr><tr><td>State</td><td>UTTAR PRADESH</td><td>District</td><td>LUCKNOW , Pin 226021</td></tr><tr><td>Mobile</td><td>7817987119</td><td>Email:</td><td>PATEL.PAVAN2@GMAIL.COM</td></tr></tbody></table>			Flat/Door/Block No.	BHAWAN NO - 4	Name of Premises/ Building	PHASE 2 AYUSH VIHAR	Village/Town	KHARAGAPUR JAGEER	Block	BAKSHI KA TALAB	Road/Street/Lane	JANKIPURAM VISTAR	City	LUCKNOW	State	UTTAR PRADESH	District	LUCKNOW , Pin 226021	Mobile	7817987119	Email:	PATEL.PAVAN2@GMAIL.COM
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Road/Street/Lane	JANKIPURAM VISTAR	City	LUCKNOW																				
State	UTTAR PRADESH	District	LUCKNOW , Pin 226021																				
Mobile	7817987119	Email:	PATEL.PAVAN2@GMAIL.COM																				
DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE	05/04/2022																						
DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS	06/04/2022																						
NATIONAL INDUSTRY CLASSIFICATION CODE(S)	<table border="1"><thead><tr><th>S.No.</th><th>NIC 2 Digit</th><th>NIC 4 Digit</th><th>NIC 5 Digit</th><th>Activity</th></tr></thead><tbody><tr><td>1</td><td>71 - Architecture and engineering activities; technical testing and analysis</td><td>7110 - Architectural and engineering activities and related technical consultancy</td><td>71100 - Architectural and engineering activities and related technical consultancy</td><td>Services</td></tr><tr><td>2</td><td>82 - Office administrative, office support and other business support activities</td><td>8299 - Other business support service activities n.e.c.</td><td>82990 - Other business support service activities n.e.c.</td><td>Services</td></tr></tbody></table>			S.No.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity	1	71 - Architecture and engineering activities; technical testing and analysis	7110 - Architectural and engineering activities and related technical consultancy	71100 - Architectural and engineering activities and related technical consultancy	Services	2	82 - Office administrative, office support and other business support activities	8299 - Other business support service activities n.e.c.	82990 - Other business support service activities n.e.c.	Services					
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DATE OF UDYAM REGISTRATION	21/06/2022																						
* In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the M/o MSME.																							
Disclaimer: This is computer generated statement, no signature required. Printed from https://udyamregistration.gov.in & Date of printing:- 02/07/2022																							
For any assistance, you may contact:																							
1. District Industries Centre:	LUCKNOW (UTTAR PRADESH)																						
2. MSME-DI:	KANPUR (UTTAR PRADESH)																						



SOIL RESEARCH LABORATORY

Building Material & Road Material Testing

(AN NABL & ISO 9001:2015 & ISO 14001:2015 Certified Laboratory)

H.N. 4, Ayush Vihar 2, Jankipuram Extension,

Lucknow (U.P.) – 226021

Contact No.: 9650024285, 9151555491, 7007400212

Email: soilresearchlaboratory@gmail.com

Branch Address : Jagriti Vihar , Railway Station Road, Harrawala, Dehradun



**National Accreditation Board for
Testing and Calibration Laboratories**

CERTIFICATE OF ACCREDITATION

SOIL RESEARCH 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

H.N. 4, AYUSH VIHAR, JANKIPURAM EXTENSION, LUCKNOW, UTTAR PRADESH, INDIA

in the field of

TESTING

Certificate Number: TC-11576

Issue Date: 25/04/2023

Valid Until: 24/04/2025

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 : Soil Research Laboratory

Signed for and on behalf of NABL



**N. Venkateswaran
Chief Executive Officer**



TATA CONSULTING ENGINEERS LIMITED

Ground Floor, Tower B & C Green Boulevard, Plot No. B9A, Sector 62, Noida Uttar Pradesh, 201301
Tel:+91 120 619 6100, Fax:+91 120 619 6500, Email:mail@tce.co.in, website:

PURCHASE ORDER

M/S SOIL RESEARCH LABORATORY(CODE :109238) House No 4AYUSH VIHAR, LUCKNOW,, Lucknow,, Lucknow-226021 Uttar Pradesh, India Tel: 9650024285 Email: soilresearchlaboratory@gmail.com Gst No: 09AESFS6739L1ZX	PO No./Version : 3200008586/0 PO Date : 15.09.2023
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Bill To: Tata Consulting Engineers Limited Green Boulevard, Plot No B-9A,Sector-62, 201301-IN , Tel:- Fax:- Email:- GST No:09AABCT0772E1ZH	Delivery To: Tata Consulting Engineers Limited Ground Floor, Tower B & C Green Boulevard Plot No. B9A, Sector 62 Noida - 201301 Uttar Pradesh, India Tel: +91 120 619 6100 Email: mail@tce.co.in
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Item	Description	UoM	Quantity	Rate/Unit (INR)	Value (INR)
50000005	Professional Charges - Monthly Geotechnical Investigations at Kichha in Uttarakhand	MON	2.000	519,500.00	1,039,000.00
				Amt. before Tax	1,039,000.00
				Discount	0.00
				Service Charge	0.00
				CGST	93,510.00
				SGST/UTGST	93,510.00
				IGST	0.00
				CESS	0.00
				Round off (INR)	0.00
				Total Amount (INR)	1,226,020.00

AMOUNT IN WORDS:(INR) Twelve Lakh Twenty Six Thousand Twenty Only

Terms of Payment	: 30 days From Date of Invoice
Note	: 00
PAN	: AABCT0772E
SEZ LOA No & Date	:
PO No/Version	: 3200008586/0
Requested By	:
Text	:

Registered Office: Elphinstone Building, 10 Veer Nariman Road, Fort, Mumbai-400001, India, Tel:+91 22 6114 8181, Fax:+91 22 61148282 website www.tce.co.in,
CIN: U74210MH1999PLC123010.



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PURCHASE ORDER

IMPORTANT

1. Please quote Purchase Order Number, Date, Vendor Code, Item Code on all advice notes/challans & Invoice
2. Supplies against the order should not exceed the order quantities
3. Please send relevant documents as per statutory requirement
4. Supporting documents for Excise, BOE, Packing list, Form ARE-1 (for SEZprocurement) must accompany the consignment
5. Refer attached annexure for 'Terms And Conditions' & Code Of Conduct'

Prepared By
JITENDRA TYAGI
Date

Checked By
G.VIRUPAKSHA
Date

Approved By
B.PARTHASARATHY
Date

We certify that we have read and accept the scope of supply and all the other terms and conditions mentioned in this Purchase Order and/ or Annexure if any

Signature and Seal

Date

Name

Designation

Registered Office: Elphinstone Building, 10 Veer Nariman Road, Fort, Mumbai-400001, India, Tel:+91 22 6114 8181, Fax:+91 22 61148282 website www.tce.co.in, CIN: U74210MH1999PLC123010.



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PURCHASE ORDER

PURCHASE ORDER - TERMS AND CONDITIONS

1. INTERPRETATION

- 1.1 For the purpose of these Terms and Conditions and unless the context otherwise requires:
"Purchase Agreement" means the Agreement formed in accordance with Clause 2;
"Confidential Information" means any ideas, methods, trade secrets, know-how and other intellectual property in any form, furnished to Seller by TCE, but does not include information that is:
i publicly known at the time;
ii known to Seller at the time of disclosure through no wrongful act of Seller;
iii received by Seller from a third party without confidential obligation, or
iv independently developed by Seller.
"Products / Services" means any Products / services supplied or provided by the Seller;
"TCE" means Tata Consulting Engineers Limited;
"Order" means a formal issuance of the Purchase Order (PO) (hereinafter referred to as "Order" or "PO") accepting Seller Offer by TCE of which these terms and conditions shall become an integral part of any Order placed by TCE on Seller and shall bear same order number; and
"Seller" means the firm/person as named on page one of the Purchase Order and does not include any other persons performing any work under the Order for Seller, which Seller shall bear all responsibility.
"Party/Parties" TCE and Seller shall individually be referred to as "Party" and jointly as "Parties"

- 1.2 To the extent that the provisions of the Order are inconsistent with Purchase Agreement, the Conditions of the Order will prevail

2. PURCHASE AGREEMENT

- 2.1 If at any time upon acceptance by the Seller of the Order, there is a need to execute the detailed agreement (hereinafter referred to as the "Purchase Agreement"), as agreed between the parties, the same shall form the entire agreement (inclusive of these Purchase Order - Terms and Conditions) between the Parties, and shall become an integral part of any Order placed by TCE on Seller and shall bear the same number as the "Purchase Order".
- 2.2 Any document whatsoever of Seller which purports to modify the Agreement or to provide exclusion of any conditions of sale shall have no bearing whatsoever under the Order unless expressly accepted in writing by TCE.
- 2.3 It is further agreed that the PO along with annexure (if any) and/ or purchase agreement (if any) will be considered as deemed accepted either within 15 days of issuance of this PO, or commencement of services / delivery of Goods or receipt of invoice whichever is earlier.

3. Bank Guarantee

Any Bank Guarantee to be provided by the Seller shall be mutually agreed and/ or shall be dealt as set out in the "Purchase Agreement" (if any)

4. PRICES AND TERMS OF PAYMENT

- 4.1 Sellers price as stated in the Order shall not be subject to any extras whatsoever and shall be all inclusive, including but not limited thereto, packing, boxing, crating, delivery freight and insurance and nothing extra shall be payable by TCE unless otherwise provided in the Order.
- 4.2 Prices detailed in the Order are not subject to escalation or variation for any reason whatsoever unless otherwise agreed to in writing by TCE.
- 4.3 Seller represents and warrants that the prices quoted in an Order shall not be in excess of Seller's list, catalogue or published prices. In case the price quoted are in excess of Seller's catalogue or published price, then such price shall be restricted to Seller's catalogue or published price.
- 4.4 Invoices for Products are to be mailed to the address set out in the Order and must clearly state the Order number. Subject to Clause 7.1 (and unless contrary to law), accounts will be settled within stipulated period from acceptance of Products by TCE or receipt of the Seller's invoice, whichever is later. Said invoices shall be in ___ originals and ___ copies, with all supporting documents
- 4.5 In case of Services, progress claims are to be submitted monthly or as otherwise agreed between the Parties
- 4.6 TCE will not pay for Services performed or Products supplied by the Seller in excess of the Agreement price.
- 4.7 Except as otherwise specified in the Order, the price includes all state, local or foreign taxes (including any Products and service tax), stamp duties and other governmental charges. Any invoice must include a tax invoice complying with the legislation and is a precondition to payment. Any increase or decrease in aforesaid taxes or imposition of new taxes shall not be reimbursed / deducted by TCE.
- 4.8 "Custom Duty" means those prevailing under the Government of India statutes and as may be modified thereto from time to time. In this respect Seller shall be required and responsible to meet any Company requirement for import and or export as may be stipulated under the Contract.
- 4.9 Prior to TCE making payment under any invoice, such invoice shall be subject to deductions, if any, as provided in the Order, and payment may be withheld till full execution of the order.

5. Variation Order

Any variation under the Agreement shall be dealt as set out in the "Purchase Agreement" (if any).

6. Completion of Products / Services delivered

6.1 PRODUCTS PACKING AND DELIVERY

- 6.1.1 The Seller shall pursuant to Clause 4.1, at its expense, mark Products with the Order number,crate, package or otherwise prepare Products for shipment in accordance with TCE's instructions and otherwise will ensure safe and secure delivery to TCE. The Seller will include a full and detailed packing list with each shipment of Products at the time of dispatch.

- 6.1.2 Products are to be shipped to the delivery point set out in the Order by the due date set out in the Order.

- 6.1.3 The time for delivery shall be of the essence. If the Seller does not comply with the delivery schedule, TCE may cancel the Order without any liability on TCE whatsoever arising out of said cancellation and have the remaining completed by another TCE appointed party at Sellers risk and cost.

- 6.1.4 Three sets of documents, as a minimum, to be submitted by Seller upon dispatch of Product.

- 6.1.5 The rejected material will have to be removed immediately by the Seller at his own expense.

6.2 Completion of Services

- 6.2.1 The Seller shall, subject to Clause 4, at its expense complete the Services in all respect in accordance with the Purchase Agreement, Purchase Order as well as TCE's instructions. The services shall comply with all engineering standards and codes and shall be of best engineering practices.

- 6.2.2 Services are to be completed within the time specified in the Order.

- 6.2.3 Time for completion shall be of the essence. If the Seller does not comply with the completion schedule, TCE may cancel the Order without any liability on TCE whatsoever arising out of said cancellation and have the remaining Services completed by TCE or another party appointed by TCE at Sellers risk and cost.

- 6.3 "Time for Performance" and any Extensions thereto. TCE shall have the liberty, if found necessary, to extend time for performance and TCE shall take necessary action to amend Seller's Obligations under this Terms & Condition/ Purchase order in accordance with such intended time for performance, if any.

7. INSPECTION AND ACCEPTANCE

- 7.1 Products / Services shall be deemed not to have been accepted until TCE has inspected the Products / Services, conducted acceptance tests and signified its acceptance in writing.

- 7.2 If TCE determines that supplied Products/services do not conform to the Order in whole or part, TCE shall have the right, without prejudice to any other remedies available, to remedy such matter as under :
return to Seller (at the Seller's expense) the whole or any part of the Products/services for repair, replacement;
repair the Products/services himself or by engaging third party at the Seller's risk & expense; or
require the Seller to provide it with a credit equal to the price of the defective Services;

c)

- 7.3 Where the Seller is supplying Products to specifications, TCE reserves the right to inspect these items or by TCE appointed agent, at Seller's facilities at reasonable times during any stage of manufacture.

8. Liquidated Damages

Liquidated Damages shall be applicable, as set out in the Order.

9. TITLE AND RISK

Subject to TCE acceptance of Products/ Services pursuant to Clause 7.1 Risk of loss for Products shall pass to TCE after TCE acceptance specified in the Order or Purchase Agreement. Title to the products shall pass to TCE, after TCE acceptance, specified in the Order of Purchase Agreement. Title to the products shall pass to TCE on receipt of the Products/services as per the specifications mentioned in the Purchase Order/Purchase Agreement from seller.

10. TERMINATION

- 10.1 This Order (the "Purchase Order", these "Terms and Conditions" and "Purchase Agreement") may on an occurrence of below by a Party be terminated by the other Party by written notice to the other Party:

- (a) breaches a provision of the Order and if capable of remedy, fails to remedy within seven (7) days or any other period mutually agreed between the Parties after having been given written notice;
(b) passes a resolution for its winding up or a receiver or a liquidator or provisional liquidator is appointed;
(c) enters into a scheme of arrangement with its creditors or has a judgment entered against it or is declared a bankrupt.

- 10.2 Upon termination Seller shall deliver at its sole expense all Products / Services which have been paid for by TCE, whether such Products are completed or not. It shall be TCE's right and sole discretion whether or not to receive and take over partially completed product, or not and such rejection to receive such partial Products by TCE shall not under any circumstances entitle Seller to any extra payment on this account.

- 10.3 TCE may terminate the Order, without cause, by providing Seller 30 days' written notice. In such case, TCE shall compensate the Seller for Products / Services delivered by the Seller till date of such termination as well as any reasonable cost incurred by Seller pursuant to Order subject to Seller providing proper justification and supporting documents.

- 10.4 In the event of termination under this Clause 10, the Seller shall have no further claim against TCE for the payment of any monies to the Seller under or in connection with this Order, whether by way of further monies payable to the Seller for the future supply of Products or Services or compensation for any alleged loss or damage sustained by the Seller, including without limitation any special, incidental, consequential or indirect damages or any economic loss or loss of profits, other than for any amounts outstanding in respect of the price for Products or Services ordered prior to the date of termination, pursuant (fully or partially completed supply, Products or Services).

- 10.5 In the event of termination arising under the clause 7.1(a) due to Seller's breach, Seller ceases to be entitled to receive any monies under the said specific Order until the actual costs of completing the supplying Products / Services and all other costs arising as a result of Seller's default have been finally ascertained, including Liquidated damages, if any, and other liability under the Order, by TCE but jointly with Seller. Thereafter, Seller shall be entitled to payment for Products / Services delivered up to the date of termination; less any additional costs ascertained above. Any shortfall from Sellers account upon such reconciliation of account shall become a Sellers debt to be paid to TCE within 15 days of final reconciliation and Parties agreement thereto.

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PURCHASE ORDER

11. NON-EXCLUSIVE APPOINTMENT

Seller acknowledges that TCE is free to use the Products and services of other party dealing with similar Products and Services to those provided by the Seller and TCE is not bound to use the Products or Services of the Seller at any particular level.

12. WARRANTY

12.1 The Seller warrants that the Products are, free and clear of all liens, charges and encumbrances and that the Seller has good title to the Products, and TCE is not bound to use the Products or Services of the

(a) all Products :

(i) shall be free from defects in materials and workmanship and be of merchantable quality and fit for the purpose contemplated by TCE;
(ii) shall conform to the Order; and
(iii) shall be free from defects in design;

(b) all materials used and labour performed with respect to Services shall:

(i) conform with current Indian Standard Specifications and Codes unless otherwise specified;
(ii) comply with all applicable laws;
(iii) strictly conform the Order; and
(iv) in the case of materials, be fit for the purpose intended and in the case of labour, be rendered with due care and skill.

12.2 Notwithstanding earlier scheduled delivery of the Product(s) / Services, in Whole or in Part, the Warranty Period shall be a period later of the following:

(a) as applicable under Purchase Agreement with TCE
(b) a period of 6 months from the date of receipt of Products at site (last consignment)
(c) in accordance with Seller's brochure / catalogue.

13. PROPRIETARY RIGHTS, CONFIDENTIALITY

13.1 All Confidential Information furnished to Seller for the purposes of the Agreement and all its' property rights remain the property of TCE. It shall be treated by Seller as confidential and it will not in whole or in part be used and / or communicated, copied, disclosed, sold or reproduced for any purpose whatsoever, except in the performance of the Order, or without the express written permission of TCE.

13.2 On completion, cancellation or termination of the Order, whichever arises first, or at any time if TCE so requests in writing, Seller shall immediately return to TCE all documents supplied by TCE to Seller, for performance of the Order.

13.3 Except as may be required by applicable Laws, no copy of Terms and Conditions, Purchase Agreement nor the Purchase Agreement (the latter if applicable) shall be released or otherwise delivered by or on behalf of the Seller to any third party and no announcement, statement or publication or photograph(s) relating to this Order or the Works shall be publicly released by or on behalf of the Seller, without the prior written approval of the TCE. The Seller shall cause a provision similar to this Condition to be inserted in all of its subcontracts / Vendor Agreements and the likes thereof.

14. PATENT, TRADEMARK & COPYRIGHT INDEMNITY

The Seller shall indemnify and hold TCE harmless from action, claim or demand, costs or expenses, arising from or incurred by reason of any infringement or alleged infringement, but not limited thereto,

15. INSURANCE AND INDEMNITY

15.1 Seller shall indemnify TCE from and against any and all proceedings, claims, demands, losses, costs, damage and expenses arising out of or in respect of any act, omission or negligence of Seller or any of

15.2 Unless otherwise agreed between the Parties, Seller shall, at its sole expense, effect adequate insurances against all risks arising under the Order (including public liability, product liability and workers compensation insurance, but not limited thereto) and shall produce evidence of the currency and validity of any such policy as may be requested by TCE from time to time.

16. SURVIVAL OF CLAUSES

Clauses 13, 14, 15, 16 and 17 shall survive the termination and/or expiry the Agreement.

17. WAIVER

No breach or default of Seller under the Agreement shall constitute a waiver under the Order, nor shall any subsequent default and failure of Seller be a waiver, unless specifically confirmed in writing by TCE.

18. ASSIGNMENT

The Seller shall not without the previous consent in writing of TCE assign or transfer the Agreement or sub Agreement or any part of the work required to be done under the Order.

19. OCCUPATIONAL HEALTH, SAFETY & ENVIRONMENT (HSE)

19.1 The Seller warrants and covenants that in connection with the supply of Products / Services under the Agreement, the Seller will comply with any relevant occupational health, safety & environment legislation applicable in the jurisdiction.

19.2 Seller will also supply to TCE all information Material Safety Data Sheet (MSDS) relevant to the safe use of Products / Services whether formally requested or not.

19.3 TCE appoints the Seller as principal contractor under the relevant State OH&S Regulation whenever applicable. Without limiting the obligations of the Seller under any OH&S legislation, TCE expects the Seller to comply with all relevant OH&S legislation, ensure its subcontractors comply with their respective obligations, ensure plant and equipment complies with safety standards, keep necessary records, identify the geographical scope of works, and immediately inform TCE of all incidents on site of an OH&S nature.

19.4 Seller warrants that it will comply with all relevant applicable legislation under the jurisdiction of Environment (protection) Act & Rules 1986, Water (Prevention & Control of Pollution) Act 1974, Air (Prevention & Control of pollution) Act 1981 and the Hazardous waste (Management, Handling & Transboundary Movement Rules 2009).

19.5 All conditions specified in relevant applicable approvals, permits, consents received by TCE or seller has to be complied with.

20. SEVERABILITY

In the event that any of the provisions, or portions or applications hereof or hereto of these Terms and Conditions or Purchase Agreement are held to be unenforceable or invalid by any court or arbitration panel of competent jurisdiction, TCE and Seller shall negotiate in good faith an equitable adjustment in the said identified provision(s) with a view to give effect to the purposes and intent of the Parties as set forth in this Order, and the validity and enforceability of the remaining provisions, or portions or applications thereof, shall not be affected thereby in any way whatsoever.

21. GOVERNING LAW

The laws of India will govern the Agreement. The Parties submit to the exclusive jurisdiction of the courts of Mumbai.

22. Arbitration

22.1 Any dispute arising out of interpretation or performance of the Agreement/purchase order, which cannot be resolved amicably between the Parties, shall be resolved through Arbitration.

22.2 Any dispute(s) shall be finally settled under the Rules of The Arbitration and Conciliation Act, 1996 by sole/ three arbitrator appointed in accordance with the said Rules (which Rules are deemed incorporated herein) including any amendments thereof and other related acts and laws prevalent in India. The Arbitration shall be governed by the Laws of India.

22.3 Arbitration shall take place in Mumbai according to aforesaid Rules and all written and oral communications shall be conducted and recorded in English language.

23. Documents forming the "Order"

For avoidance of doubt, the "Order" placed by TCE on Seller comprises of the "Purchase Order", these "Terms and Conditions" and "Purchase Agreement" which may be individually referred to or collectively and are synopsis and complimentary to each other and shall have the same meaning and shall not be construed in any particular order of presence for Seller to fulfil his obligation of the "Order"

24. Representations

The Seller represents that it has complied with and shall comply with relevant provisions of TCE Code of Business Conduct, TCE Anti Bribery and anti corruption policies, other due diligence criterions, and all other rules and regulations applicable as set out in various declarations and detailed Purchase Agreement (if any).

25. Contact Details

In the event of any ethical issues our Location Ethic counsellor Ms. Nayan Kalyankar can be contacted on Land Line No. 022-61148844 and/ or email id : nayank@tce.co.in, and for any issues with regards to ABAC our Compliance Officer can be contacted at tceabac@tce.co.in .

26. Additional Clauses(GST)

26.1 Vendor has paid the applicable GST to government within due date.

26.2 Vendor has uploaded correct invoice details and the same is matched as per the GST requirements.

26.3 If in case, TCE is not able to claim the input tax credit under GST on account of non-compliance of the vendor, such amount shall be recovered from the vendor.

26.4 If in case, TCE is required to pay any interest and/or penalty on account of non-compliance of the vendor, the same shall be recovered from the vendor.

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GLJV/NEC/TL/PK-3/2023/027

Date: 6th Oct 2023

To,
Director
Soil Research Laboratory
 Jagriti Vihar, Railway station Rd
 Harrawala Dehradun Uttarakhand.
 Pin-248001
 Phone: 9650024285 / 7007400212

Subject: CA no. RVNL /RKSH-KNPG/Tender/Tunnels/PK-3/CA-55 dt. 22.10.2020. **Testing of Materials-reg.**

Ref: (i) NEC/RVNL/PACKAGE-3/23-24/1904 dated: 04.10.2023

Dear Sir,

With reference to the above cited subject matter, we are herewith sending the following sample of tunnel face rock material for the below mentioned tests as per Indian standard / relevant codes, which are duly sealed and signed.

Sr	Description	Sample & ID	Tests
1	Tunnel rock materials for suitability tests	1 Nos – T5P2 MT / JS no: 253 (50kgs)	Mineralogy -Petrography, Abrasive Index, Silica Content
		1 Nos – T5P2 ET JS no: 253 (50Kgs)	Do

You are requested to perform the above tests & mentioned the identification, acceptance criteria, suitability of test results. The same tests shall be jointly verified by the Engineer representative. The complete report shall be sent on the following email address & courier.

Reporting address:

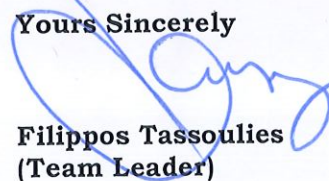
- (i). Mr. Filippas Tassoulies / filippas.tassoulis@pini.group
- (ii). Mr. Nishant / pmcpk.03@gmail.com
- (iii). Mr. Mukesh Chandra Kothiyal / mckothiyal@gmail.com

The cost of tests shall be born by M/s Navayuga Engineering Co Ltd, Pkg-3, RVNL Project Kaudiyala Office. Contact Person Shri. B. Nagendra Prasad +918294831789.

Courier address:

Team Leader
 M/s Geodata-Louis Berger SAS (JV)
 Project Office -PKG-3, Byasi (Rishikesh-Badrinath NH)
 Tehri Garhwal. Uttarakhand.
 Pin- 249192

Yours Sincerely



Filippas Tassoulies
 (Team Leader)

CC.: Mr. Ravikant (GM/P & Project Director/PK3/RVNL/RKSH)

Work Order**CARBYNE INFRASTRUCTURE PRIVATE LIMITED**

Third Floor, B-11, B Block, Sector 4 Noida,
Gautam Buddha Nagar, Uttar Pradesh, 201301

Firm and Address: Soil Research Laboratory Bakshi ka Talab, Jankipuram Vistar, Bhaewan No 4 Phase-2 AYUSH VIHAR ,LUCKNOW. UTTAR PRADESH,226021	Tehsil-	Work Order No:	JJM-01/22
		Date of issue:	08-11-2022
		GSTIN No.	09AESFS6739L1ZX
Attent: Mr Pavan Patel	Reference & Date: 31-october 2022/quotation		
Mob. No : +919650024285			
Email Id: soilresearchlaboratory@gmail.com			
Subject: Work Order for Soil Investigation & Earth resistivity of JJM WSS of Azamgarh District (U.P)			

Dear sir , As per your quotation dated 14/07/2022 and further discussion, We are please to issue work order, details as under:-

	Particulars	Rate
1	Drilling 3 Nos. Borehole.of 150 mm diameter each in soil formation up to a desired depth of 15.0 Mtr. minimum as per IS 1892-1879, conducting standard penetration test at regular intervals as per IS 2131, Collection of Disturbed & Undisturbed samples per site as per satisfaction of U P Jal Nigam or its nominated Agency.	Rs 16000/- per Site
2	Submission of Soil Report in triplicate along with recommendations for suitable type and depth of foundations for the proposed structure	
3	Earth Resistivity	Rs 1000/- per Site
A	SCOPE OF WORK: The scope of consultancy works shall broadly include guidelines issued by SWSM time to time .	
B	Drilling work :- A small video recording of the concerning village.	
C.	Reporting :- Report in 3 sets of hardcopies and 1 softcopy as per SWSM requirement.	
D.	VETTINGS ANO APPROVALS:- Vetting of Report by any approved institute/engineering college if required by SWSM.	
E.	ASSUMPTIONS :- The above price submitted is based on the following assumptions:- M/S Carbyne Infrastructure Private Limited has to ascertain allotment of land for head works by SWSM, DWSM, SDM/ Tehsildar and this will be pre- requisite for Bore work. Any technical assistance in this matter shall be provided by survey agency.	
F.	Carbyne infrastructure private limited SCOPE:-	
1	Any permissions, licences & statutory requirments shall be bome by Carbyne Infrastructure Private Limited.	
Terms and Conditions:-		
Payment Terms:		
a	80% Payment Shall be made at every 10 Nos. site Bores Completed, Balance after approval from Jal Nigam.	
Taxes and duties		
1	GST will be Extra applicable as per Govt. Norms.	
2	TDS applicable as per Govt. Norms	
J.DISPUTE RESOLUTION		
1	All disputes and claims will be mutually discussed and agreed upon at site level. In case of any difference of opinion, the decision of "Contracts Head" of Carbyne infrastructure private limited shall be final and binding.	
2	Arbitrators,if needed, shall be appointed by Carbyne infrastructure private limited	

For CARBYNE INFRASTRUCTURE PVT.LTD.

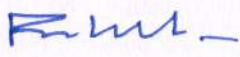

Authorized Signatory



3 Validity : Offer is valid for 7 days and onward subjected to further confirmation.

Note:" Please send original copy of Bill to our site office and one copy of Bill to our Corporate Office along with copy of PO.

* We reserve the right to amend Name and Number of villages, work order as per requirement.

Billing Address:	Delivery Address	For Carbyne Infrastructure Private Limited
CARBYNE INFRASTRUCTURE PRIVATE LIMITED Third Floor, B-11, B Block, Sector 4 Noida, Gautam Buddha Nagar, Uttar Pradesh, 201301 GSTN 09AACCG0218K1ZR	Carbyne infra.Pvt.Ltd. Ghantaghar Civil Line Near Jeevan Coaching Behind Union Bank AzamGarh (U.P) Pin 276001	 Authorized sign.

For CARBYNE INFRASTRUCTURE PVT. LTD.



Authorized Signatory



Ref: HCL/UP/2023/WO/01

Date:15-02-2023

TO:
SOIL RESERCH LABORATORY,
H.N-4,Ayush Vihar,Jankipuram extension,
Luckhnow.
TelNo.+916306138346,
7007400212
Mail id : soilresearchlaboratory@gmail.com

Sub.: Work Order to carry out the Soil Investigation work for Over Head Tanks/ESRs at various locations Under "Implementation of Various Rural Water Supply Projects, Including O & M for 10 years in the state of Uttar Pradesh in **AZAMGARH** District under Jal Jeevan Mission."

Ref.: Your Quotation dated 15.02.2023

Dear Sir,

This is reference to your quotation cited under reference & subsequent discussions had with you on the aforesaid subject, we are pleased to place a work order for the above subject to defined scope of work , terms & condition mentioned below:

Scope of work:

- 1) Carryout the soil investigation- Includes drilling of 100mm diameter borehole in all strata up to the depth of 10mtr below from the foundation level of Over Head Tank at Various Locations as per IS Codes.
- 2) Conducting standard penetration test where ever necessary / collection of Disturbed/Undisturbed samples, and necessary laboratory testing - grain size analysis, required for evaluation of safe allowable bearing capacity among the scope of the work and preparing geotechnical investigation reports and recommendations in three copies.
- 3) Boring of Bore hole at the site in soil & collection of undisturbed & disturbed soil sample up to required depth or up to refusal , whichever is earlier conducting of SPT at every change of strata or 1.5 m interval as per IS code up to required Depth
- 4) Drilling in any kind of Strata Excluding Quartz & iron bearing rocky strata) including collection of samples, core recovery, RQD data & following laboratory tests, Unconfined Compressive strength water absorption, Specific gravity, Density.
- 5) Test should be conducted as per the instructions given by M/s. Hetvi Construction LLP/U P Jal Nigam
- 6) For Each structure the tests shall be conducted at one single point with a bore of 100 mm diameter with the above said depth.
- 7) Preparation of submission of report giving detailed calculation & recommendation of allowable & type of foundation as per IS codes.
- 8) The time is the essence of this work and time for completion of your entire scope of work will be in timely completion by you shall strictly adhere to this targeted date without fail as per given site in-charge.

- 9) At any stage of work if we found the progress is not as per the requirement, we reserve our right to offload the work from you and same shall be carried out by us through other agency at your cost & risk.
- 10) This work is confirmed on you after your assurance that you are completely familiar with the specification, technical guidelines and time frame of the project. No slippage with regard to time frame and no payment over above the charges mentioned in this order are admissible in any circumstances.
- 11) We reserve our right to change/increase/decrease the scope of work at our sole discretion.
- 12) Instruction given by Engineer in-charge/ SGIPL LTD shall be strictly followed.

Terms and Conditions

1. All required equipment's for testing are in your scope.
2. All statutory liabilities of your labour, Staff, equipment and machinery shall be entirely your responsibility. You shall indemnify us from any statutory liabilities towards the aforesaid subject.
3. You shall indemnify us towards and damage done to any third part property.
4. We reserve our right to debit any amount that we feel debitable to you at our sole description.
5. The work shall be strictly as per approved specifications and as per the instructions of M/s. Hetvi Construction LLP & U P Jal Nigam.
6. You have to willing to be present whenever and wherever the interaction required with the department and consultants for review of progress or any other matter concerned to this work.
7. The payment terms for carrying out the work shall be as per enclosed price schedule & mention scope of work, here with these prices are remain fixed and firm during the entire period of work. Nothing extra is payable for any work to be carried out to complete the scope of worked what so ever may be the ground.
8. You have to provide sufficient technical representation at site for smooth conducting of all operation to complete your scope of work.
9. The mode of payment shall depend on the submission of Test details by you & certified by Engineer in-charge Hetvi/U P jal Nigam.
10. All disputes against transaction should be settled in jurisdiction of Ahmedabad only.
11. M/s. Hetvi reserves the option and discretion to get any part of the work done by themselves or any other contractor as per the requirement of the project.

Annexure

S.No	Description	Unit of Work	Qty	Rate	Amount
1	Carrying out Borehole of 150mm dia up to 15 Meter depth (3No. of Bore Hole) below existing ground level. Geotechnical investigation will need to be conducted. Meter or more as per client's requirement and conducting SPT at site including collection of disturbed & undisturbed sample test at laboratory as per relevant IS code to determine the safe bearing capacity and submission of test report in triplicate copies.	JOB	50	17,000	850000
	AMOUNT				850000/-
	GST@18%				153000/-
	TOTAL AMOUNT				10,03,000/-

Amount in Words:- Rs. Ten lakh Three Thousand Only.

Payment Terms and Conditions:

1. 60% payment after 7 days of submission of Final Report.
2. 40% after 7 days of approval of report from client (Jal Nigam).
3. Applicable TDS will be deducted from your RA-BILLS.
4. GST will be paid extra as applicable on the contract value and payment will be release after submission of documented proof.

Please return a copy as taken of your acceptance and on receipt the same.

Thanking you,
Yours Faithfully,
For, M/s Hetvi Construction LLP.

For, Hetvi Construction LLP, UP



Authorized Signatory

Acceptance & received





Work Order

To,
SOIL RESEARCH LABORATORY,
H.NO. 4, AYUSH VIHAR, JANAKIPURAM EXTENSION,
LUCKNOW- 2226021
Mo. No. 9650024285, 6306138346 & 7007400212

Dated- 8-8-23

Copy to-
अधिशाली अभियंता,
लोक निर्माण विभाग, सहारनपुर वृत्त,
सहारनपुर, उत्तर प्रदेश


Project Name- N.H. - 709 बी (चुनेहटी) से अम्बाला रोड होते हुए दिल्ली यमुनोत्री मार्ग (N.H.-57) किमी 171 (देवला) तक (लम्बाई 19.125 किमी) चार लेन बाईपास मार्ग का निर्माण कार्य।

Sub- Testing of Road Material testing, Soil tests all stages, GSB, WMM & ETA Job Mix and DBM & BC Mix Design.

Dear Sir,

It is our pleasure to inform you that after considering your quotations, you are allowed to test performing the construction material of the above written project and the JOB MIX and MIX design related to it.

Regards


Project Manager
M/s Ravi - Dev Yash Joint venture, Saharanpur

GSTIN : 09AAIAR2003D1ZY
PAN No.: AAIAR2003D
sravi685@yahoo.com

+91-9412210543
+91-7300740074

44, Verma Park, Lane No. 11
Gandhi Colony, Muzaffarnagar (U.P.)

2023.07.16 13:26



Phone no./Fax no. 01370-260070
पत्रांक 227 / अनुबन्ध

कार्यालय सहायक अभियन्ता
अस्थायी खण्ड, लोक निर्माण विभाग
श्रीनगर मु0- कीर्तिनगर



E.mail- eepwdkirtinagar@rediffmail.com
दिनांक 5 / 10 / 2023

सेवा में,

Soil Research Laboratory
Building Material & Road Material Testing
Jagriti Vihar, Railway Station Road,
Harrawala, Dheradun -248001

विषय - पौडीखाल-कोटी-चामी घौड़ियालधार मोटर मार्ग की सी0वी0आर0 वैल्यू परीक्षण एवं मृदा की प्लास्टिसिटी सूचकांक के सम्बन्ध में।

महोदय,

उपरोक्त मोटर मार्ग के कि0मी0 5 एवं 6 में डामरीकरण कार्य हेतु मृदा की सी0वी0आर0 वैल्यू एवं प्लास्टिसिटी सूचकांक का परीक्षण किया जाना है। इस हेतु आपको मृदा के फील्ड सैंपल प्रेषित किये जा रहे हैं।

अतः उपरोक्त परीक्षण कर परीक्षण की रिपोर्ट एवं बिल बाउचर प्रेषित करने का कष्ट करें।

क्रम सं०	कि०मी०	अनुबन्ध सं०	नमूनों की संख्या	परीक्षण/विवरण
1.	5.00	-	1 नं०	सी0वी0आर0
2.	6.00	-	2 नं०	सी0वी0आर0

संलग्न:- मृदा के नमूने 3 नं०।

(इं० वाई० एस० रावत)
सहायक अभियन्ता
अ०ख०, लोक निर्माण विभाग
श्रीनगर मु०- कीर्तिनगर



कार्यालय सहायक अभियन्ता
अस्थाई खण्ड, लोक निर्माण विभाग श्रीनगर
मुख्यालय- कीर्तिनगर।



Phone no./Fax no. 01370-260070

E-mail- eepwdkirtinagar@rediffmail.com

पत्रांक:- 702 / अनु०

दिनांक:- 15 / 02 / 2023

सेवा में,

Soil Research Laboratory
Building Material &
Road Material Testing
Jagriti Vihar, Railway Station Road,
Harrawala, Dehradun- 248001

विषय :- राज्य योजना के अन्तर्गत विधान सभा देवप्रयाग में (1)टोण्डेश्वर महादेव मन्दिर से श्री रघुनाथ मन्दिर संगम घाट देवप्रयाग को जोड़ने हेतु 70 मीटर स्पान का पैदल बो-स्ट्रीग गर्डर सेतु एवं पहुच मार्ग का निर्माण कार्य में प्रयुक्त होने वाली निर्माण सामग्री नमूनों का परीक्षण के सम्बन्ध में।

सन्दर्भ:- अनुबन्ध सं० 29/SE-8th/2021-22 dated 08.01.2022 मैसर्स हिमालयन कन्सट्रक्शन 250 सारथी विहार देहरादून- 248001।

महोदय,

उक्त विषय के सम्बन्ध में अवगत कराना है, कि राज्य योजना के अन्तर्गत विधान सभा देवप्रयाग में (1) टोण्डेश्वर महादेव मन्दिर से श्री रघुनाथ मन्दिर संगम घाट देवप्रयाग को जोड़ने हेतु 70 मीटर स्पान का पैदल बो-स्ट्रीग गर्डर सेतु एवं पहुच मार्ग का निर्माण कार्य में प्रयुक्त होने वाली निर्माण सामग्री नमूनों का परीक्षण निम्नानुसार किया जाना है:-

SI No.	Discription	Material Sample	Qty	Unit	Test Required
1	M.S Plate (Grade E - 410)	12mm Size (500X500)	1	No	Physical Testing as Yield Strength, Tensile Strength Chemical Properties as per I.S 2062,2011
2		16mm Size (500X500)	1	No	
3		18mm Size (500X500)	1	No	
4		20mm Size (500X500)	1	No	

अतः आपसे अनुरोध है, कि उपरोक्त वर्णित निर्माण सामग्री नमूनों का परीक्षण कर आख्या एवं परीक्षण पर होने वाले व्यय का बीजक देयक इस कार्यालय को प्रेषित करने की कृपा करें ताकि भुगतान यथाशीघ्र किया जा सके।

(इं० वाई० एस० रावत)

सहायक अभियन्ता
अ०ख०, लो०नि०वि०, श्रीनगर
मु०-कीर्तिनगर।

दिनांक / / 2023

पत्रांक :- /अनु०

प्रतिलिपि:-

- अधिशासी अभियन्ता अ०ख०, लो०नि०वि० श्रीनगर मु०-कीर्तिनगर को सूचनार्थ हेतु प्रेषित।
- श्री गौरव जुयाल, अपर सहायक अभियन्ता, अ०ख०, लो०नि०वि० कीर्तिनगर मु०-देवप्रयाग को सूचनार्थ एवं इस आशय से प्रेषित कि सम्बन्धित ठेकेदार की कार्यशाला से नमूने प्राप्त कर उपरोक्त प्रयोगशाला को भिजवाना सुनिश्चित करें।
- मैसर्स हिमालयन कन्सट्रक्शन को इस आशय से प्रेषित कि उपरोक्त प्रयोगशाला में सामग्री के परीक्षण शुल्क का भुगतान करवाना सुनिश्चित करें।

सहायक अभियन्ता
अ०ख०, लो०नि०वि०, श्रीनगर
मु०-कीर्तिनगर।

प्रेषक,

सहायक अभियन्ता-चतुर्थ
परियोजना खण्ड, सिंचाई विभाग
देहरादून।

प्रेषित,

Soil Research Laboratory
Building Material & Road Material Testing
Jagriti Vihar, Railway Station Road,
Harrawala, Dehradun - 248001

पत्रांक-

94- /स030-IVth /प0ख0दे0 /परीक्षण

दिनांक- 11/जुलाई 2023

विषय-

Construction of the Government Veterinary Hospital Centre at Shyampur in district Dehradun. के भवन निर्माण कार्य में प्रयुक्त होने वाली निर्माण सामग्री नमूनों का परीक्षण के सम्बन्ध में।

संदर्भ-

अनुबन्ध स0-10 /अधी0अभि0 /2023-24


महोदय,

उक्त विषय के सम्बन्ध में सूचनीय है कि जनपद देहरादून के श्यामपुर में सरकारी पशु चिकित्सालय भवन के निर्माण कार्य में प्रयुक्त होने वाली निर्माण सामग्री नमूनों का परीक्षण निम्नानुसार किया जाना है।

Sl No.	Location	Material Sample	Qty	Unit	Test Required
1.	Government Veterinary Hospital Centre at Shyampur	8 mm dia HYSD Bar	3x1 mtr	No.	HYSD bar Physical Testing as yield strength, tensile strength, weight etc.
2.		10 mm dia HYSD Bar	3x1mtr	No.	
3.		12 mm dia HYSD Bar	3x1mtr	No.	
4.		16 mm dia HYSD Bar	3x1mtr	No.	

अतः आपसे अनुरोध है कि उपरोक्त वर्णित निर्माण सामग्री नमूनों का परीक्षण कर, परिणाम एवं परीक्षण पर होने वाले व्यय का बीजक (अधिशाली अभियन्ता, परियोजना खण्ड, सिंचाई विभाग, देहरादून।) के नाम प्रेषित करने की कृपा करें, ताकि भुगतान यथाशीघ्र किया जा सके।

भवदीय,


सहायक अभियन्ता-चतुर्थ
परियोजना खण्ड, सिंचाई विभाग
देहरादून।

पत्रांक- /स030-IVth /प0ख0दे0 /परीक्षण /तदिनांक।

1. प्रतिलिपि अधिशाली अभियन्ता, परियोजना खण्ड, देहरादून को सूचनार्थ प्रेषित।
2. प्रतिलिपि श्री रविन्द्र कुमार, अ0सहा0 अभियन्ता को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

सहायक अभियन्ता-चतुर्थ
परियोजना खण्ड, सिंचाई विभाग
देहरादून।

प्रेषक,

सहायक अभियन्ता-चतुर्थ
परियोजना खण्ड, सिंचाई विभाग
देहरादून।

प्रेषित,

Soil Research Laboratory
Building Material & Road Material Testing
Jagriti Vihar, Railway Station Road,
Harrawala, Dehradun - 248001

पत्रांक-

94- /स030-IVth /प0ख0दे0 /परीक्षण

दिनांक- 11/जुलाई 2023

विषय-

Construction of the Government Veterinary Hospital Centre at Shyampur in district Dehradun. के भवन निर्माण कार्य में प्रयुक्त होने वाली निर्माण सामग्री नमूनों का परीक्षण के सम्बन्ध में।

संदर्भ-

अनुबन्ध स0-10 /अधी0अभि0 /2023-24


महोदय,

उक्त विषय के सम्बन्ध में सूचनीय है कि जनपद देहरादून के श्यामपुर में सरकारी पशु चिकित्सालय भवन के निर्माण कार्य में प्रयुक्त होने वाली निर्माण सामग्री नमूनों का परीक्षण निम्नानुसार किया जाना है।

Sl No.	Location	Material Sample	Qty	Unit	Test Required
1.	Government Veterinary Hospital Centre at Shyampur	8 mm dia HYSD Bar	3x1 mtr	No.	HYSD bar Physical Testing as yield strength, tensile strength, weight etc.
2.		10 mm dia HYSD Bar	3x1mtr	No.	
3.		12 mm dia HYSD Bar	3x1mtr	No.	
4.		16 mm dia HYSD Bar	3x1mtr	No.	

अतः आपसे अनुरोध है कि उपरोक्त वर्णित निर्माण सामग्री नमूनों का परीक्षण कर, परिणाम एवं परीक्षण पर होने वाले व्यय का बीजक (अधिशाली अभियन्ता, परियोजना खण्ड, सिंचाई विभाग, देहरादून।) के नाम प्रेषित करने की कृपा करें, ताकि भुगतान यथाशीघ्र किया जा सके।

भवदीय,


सहायक अभियन्ता-चतुर्थ
परियोजना खण्ड, सिंचाई विभाग
देहरादून।

पत्रांक- /स030-IVth /प0ख0दे0 /परीक्षण /तदिनांक।

1. प्रतिलिपि अधिशाली अभियन्ता, परियोजना खण्ड, देहरादून को सूचनार्थ प्रेषित।
2. प्रतिलिपि श्री रविन्द्र कुमार, अ0सहा0 अभियन्ता को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

सहायक अभियन्ता-चतुर्थ
परियोजना खण्ड, सिंचाई विभाग
देहरादून।

PAKAL DUL PROJECT

**JAIPRAKASH
ASSOCIATES LIMITED**

Engineering Division

Ref. No: JAL/PAKAL/2023-24/WO/ 02
Date: 19.04.2023.

To,
M/sGlobal Testing & Calibration Laboratory
JagritiVihar,Railway Station Road, Harrawala,
Dehradun – 248001
Uttarakhand
GSTIN :05CEHPK1800HIZY
Mob. : +91- 9650024285, 7830003312
E-Mail- gtclddn@gmail.com

Sub: Performing Plate Load Test & Evaluation of Deformation Modulus for Embankment material of different Zones of Concrete Face Rockfill Dam(CFRD) at PakalDul HEP, Drungduran, Kishtwar (J&K)

Ref: GTCL/031022/07 (Revised), Date :28/11/2022

Dear Sir,

With reference to your offer and subsequent discussions held with you on subject matter. we are pleased to award the work order on you for Performing Plate Load Test & Evaluation of Deformation Modulus for different zones of CFRD at PakalDul HEP Drungduran, Kishtwar (J&K) to you as per General terms & conditions attached as **Annexure -1** and at rates finally negotiated & accepted by you as **Annexure-2**.

You are required to sign the duplicate copy of this Work Order as a token of your acceptance and return the same to us.

Thanking you,

Yours faithfully,
For Jaiprakash Associates Limited

Accepted
For and on behalf of
M/s Global Testing & Calibration Laboratory

(Authorized Signatory)

(Authorized Signatory)

Encl: As above

GLOBAL TESTING & CALIBRATION LABORATORY
Jagriti Vihar, Harrawala, Railway Station Road,
Dehradun (UK) - 248001

Project Office: Pakal Dul H.E. Project-Dam Package, V-Dharghuran, PO-Palmar, Tehsil-Dachhan, Distt. Kishtwar (J & K)
Corresp. Office: Pakal Dul H.E. Project-Dam Package, Villa No. 20 (A-3), Sector-1, Chenab Nagar, Semna Colony, Kishtwar-182206 (J&K) Ph. : +91-1995261411
Corp. & Regd. Office: Sector-128, Noida - 201 304, Uttar Pradesh (India)
Head Office: 'JA House', 63, Basant Lok, Vasant Vihar, New Delhi-110057 (India)
Ph. : +91 (11) 26141540, 26147411 Fax : +91 (11) 26145389, 26145391

JAYPEE
GROUP

GENERAL TERMS AND CONDITIONS

1.0 SCOPE OF WORKS

Plate Load Test and Evaluation of Deformation Modulus (complete in all respect) for embankment materials of different zones (i.e. 3A, 3B, 3C etc.) of CFRD shall be performed by the Contractor as per technical standards ASTM D1195/D1195M-21 and DIN 18134 provided our client and conveyed to you/ as per the directions issued by the client/JAL from time to time.

2.0 OBLIGATIONS OF THE CONTRACTOR (M/s GLOBAL TESTING & CALIBRATION LABORATORY)

The Contractor shall, inter alia, fulfil following obligations in relation to the performance of this work at its own cost and expense without any liability to the Company (M/s Jaiprakash Associates Ltd.), whatsoever.

- 2.1 The Contractor shall coordinate its activities with the activities of other Contractors or agencies, engaged by the Company for the Dam project.
- 2.2 As mutually agreed during discussions, you shall arrange the all materials, machinery, pressure gauge, jack of 100 Ton capacity etc. and technician/supervisory/skilled man power required for execution of Plate Load Test and Evaluation of Deformation Modulus of embankment materials for different zones of CFRD as per provided technical Specifications. However dead loads (either precast concrete blocks/by loaded equipment or by any other method), JCB machine, crane (if required) and labourers shall be provided by Company free of cost.
- 2.3 As mutually agreed during discussions, you shall arrange the Insurance of your men & machines deployed at work site at your cost.
- 2.4 It will be the responsibility of the Contractor to abide by all labour act, Employee provident fund liability and formalities Minimum Wages act of State/Centre during the course of work and keep us indemnity against any penalty.
- 2.5 Mobilization of machine and manpower will be started within 7 working days from the date of acceptance of LOI.
- 2.6 All materials to be used shall qualify Technical Specifications.
- 2.7 The Plate Load Test work shall be completed within shortest possible time as per direction of JAL/Engineer-in-Charge.

2.8 Plate Load Test will be carried out periodically. However, your technicians/supervisors/skilled manpower will stay at site continuously. If required, JAL can utilize the same for other testing jobs without any additional financial implications.

2.9 Plate Load Test result along with Deformation Modulus report shall be submitted by the Contractor periodically after completion of the test. Total comprehensive combined report shall be submitted after completion of assigned work.

3.0 OBLIGATIONS OF THE COMPANY (M/s JAIPRAKASH ASSOCIATES LTD.)

3.1 No advance will be given to the Contractor by company.

3.2 For mobilization, transportation charges of materials/equipments used in test shall be reimbursed as per actual after material received at Site.

3.3 As mutually agreed during discussions, accommodation and fooding for two persons (Technicians/Supervisory/Skilled man power only) shall be provided by Company free of cost.

3.4 In case any material is given to the contractor, the same shall be on debitable basis.

4.0 PRICE & BILL OF QUANTITIES

4.1 The unit rates shall cover all the obligations of the Contractor under and in relation to this work order and all matters and things necessary for the execution of Work.

4.2 The unit rates shall remain firm during the currency of the contract and are inclusive of cost of all taxes & duties.

4.3 GST shall be paid extra as applicable.

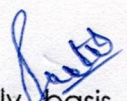
5.0 SECURITIES

5.1 The Company shall retain as security deposit from each payment due to the Contractor an amount equal to 5% (five percent) of the gross amount of each bill of the Contractor.

5.2 The security amount shall be released after **six months** of completion of the work under this work order.

6.0 PAYMENTS

6.1 The Company shall make the payment only on monthly basis to the Contractor for various items of Works executed based on the agreed rates.


GLOBAL TESTING & CALIBRATION LABORATORY
Jagriti Vihar, Harrawala, Railway Station Road,
Dehradun (UK) - 248001

after bill submitted. No escalation, idling charges or any other compensation will be paid extra.

6.2 The Contractor shall submit the details of the monthly bills (R.A. Bills) in the format as may be specified.

6.3 All the payments of RA Bills shall be treated as ad-hoc payments which shall be adjustable in the final bill account after completion of the Works.

7.0 TERMINATION

7.1 The work order can be terminated by the Company if performance is not found satisfactory or due to any other reason.

7.2 On termination of the Work order, the Contractor shall stop the work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

7.3 Termination of this Work order shall not prejudice or affect the accrued rights or claims and liabilities of the Parties.

8.0 FINAL ACCOUNT


8.1 The Contractor shall submit a detailed account (the Final Bill) of the total amount that the Contractor considers payable after completion of Work and removal of all defects, to the satisfaction of the Company.

8.2 The Contractor shall also submit 'No dues' certificate in the prescribed format along with the final Bill.

8.3 The final bill shall be submitted by the Contractor within 15 (Fifteen) days from the date of completion of work as certified by the site in-charge. If Contractor fails to submit the final bill within 30 days from the date of completion of work, the Company has liberty to measure & settle the final bill at his own & Contractor is bound to accept the same.

9.0 CLEARANCE OF SITE ON COMPLETION

Before issue of Final Acceptance Certificate, the Contractor shall remove the remaining materials, construction equipment, machinery, temporary Works of every kind, all wreckage & rubbish, Manpower etc. from the Site and make the Site clean, leveled & dressed properly to the satisfaction of the Company.


GLOBAL TESTING & CALIBRATION LABORATORY
Jagriti Vihar, Harrawala, Railway Station Road,
Dehradun (UK) - 248001

ANNEXURE-2

Bill of Quantity

Sl. No.	Description of Item	Unit	Quantity	Unit Rate	Amount(Rs.)
01	Performing Plate Load Test & Evaluation of Deformation Modulus for embankment material for different zones of Concrete Face Rockfill Dam conforming Technical Standard ASTM D1195/D1195M-21 and DIN 18134 provided by our Client/as per directions issued by Client/JAL from time to time with all materials, equipments and technician/supervisory/skilled man power. Dead loads, JCB machine, crane (if required) and labourers shall be given by JAL free of cost.	Nos.	05 (Quantity may vary as per Site requirement)	450000	2250000
02	For mobilization, transportation charge for materials/Equipments used in test				As per Actual

Note: The above rates are exclusive of GST.


 GLOBAL TESTING & CALIBRATION LABORATORY
 Jagriti Vihar, Harrawala, Railway Station Road,
 Dehradun (UK) - 248001

To,
Global Testing & Calibration Laboratory
Pithuwala, Near Gov. Polytechnic College,
Shimla Bypass Road, Dehradun (U.K.) – 248001

Subject- Construction of rail Bridge No-9 with Span arrangement of 15x30.5m Composite steel girder at CH. 73+253.8m and construction of steel through girder Road Bridge with span arrangement of 2x110m with extended viaduct over river Alaknanda at Srinagar including other ancillary work like river training, protection works etc. in connection with Rishikesh- Karanprayag New BG Rail line Project in the state of Uttarakhand, India, **Regarding design of Back Fill material to be used for filling as filter media behind Road Bridge Abutment A-01 & A-02.**

LOA No.: RVNL/RKSH/T/W/Rail & Road Br./190/1319, Date 14.12.2018.

CA NO.: RVNL/RKSH/Works/Rail & Road Bridge/295/CA-40, Date.09.05.2019

Dear Sir,

With reference to the above-mentioned subject, you are requested to send your representative for the sampling of material at the said project location and accordingly design for backfilling material to be used for filling as filter media behind Road Bridge Abutment A-01 & A-02 with compliance to MORTH specification of clause 2504.2.2 and IRC 78: 2014 in your laboratory.

You are also requested, during the design and testing of material kindly, inform us prior, for witness testing by our representative at your lab.

Furthermore, after completion of the testing and design send the report to the undersigned with the intimation to the contractor M/s Rahee-Mangalam (JV). The required test charges shall be borne by the contractor M/s Rahee-Mangalam (JV).

Thanking you.

On the test reports the following details to be mentioned.

1. **Client** – Rail Vikas Nigam Limited
2. **PMC** – Ardanuy India Pvt. Ltd.
3. **Contractor** – M/s Rahee-Mangalam (JV).

Copy to:

1. AGM/P3/RKSH/Civil-For kind information please.
2. Sr. DGM/RVNL/Srinagar-For kind information please.
3. M/s Rahee-Mangalam (JV) -For kind information please.
4. AIPL India, H.O., Delhi for kind information through email.

Satya
16/07/2022
Sincerely,
(SATYAJEET KHANDURI)
Project Manager
PMC/ARDANUY INDIA PVT LTD.
RVNL-SRINAGAR

Service

Changed Purchase Order: 470000000

Page: 1/3

Vendor Code : 3000130
GLOBAL TESTING & CALIBRATION LABORATORY

 Mr.Pavan Patel
 Pitthuwala,Near Govt. Polytechnic
 Shimla Bypass Road
 248001 Dehradun-Dehradun

Mobile No : 9650024285

Email ID : gtclddn@gmail.com

GSTIN : 05CEHPK1800H1ZY

Service

Purchase Order No: 470000000

Created On: 02-Jan-23

PR No: Thru Mail

PR Date: 2022-12-19

Quotation No: GTCL/191222/05

Quotation Date: 2022-12-19

Site Name: RVNL Tunnel PROJECT PKG-6

With Reference to your offer and subsequent discussion held, we are pleased to place the Purchase Order for the Material with terms and conditions as mentioned below :

Item No	Material Code & Description	HSN Code	Quantity	UOM	Unit Price	GST%	Net Amount
00010	2 - Plate Load Test(35 Ton)		1	EA	90,000.00	18	90,000.00
Total Base Value:							90,000.00
Discount:							(-) 9,000
Total Amount:							81,000.00
CGST							7,290.00
SGST							7,290.00
Total Value Including Tax:							95,580.00
Amount in Words :		Ninety Five Thousand Five Hundred Eighty and paise					

Terms & Conditions

PRICE BASIS:	The above price is included for each test along with manpower & machineries. The number of test will be decided by the site QC team
DISCOUNT:	10% applied in the price
TRANSPORTATION:	In Service Supplier's Scope
DELIVERY SCHEDULE:	Test will be done within scheduled time



Signature
 02/1/23

Service

Changed Purchase Order: 470000000

Page: 2/3

CONT PERSON NAME:	Mr.Vinod Tiwari-9149942245,Mr.Sudhindra-9520870141
PAYMENT TERMS:	100% payment will be done after test & duly Certified by QC dept.
TOLERANCE:	NIL
TRANSIT INSURANCE:	NIL
TEST CERTIFICATE:	Test Certificate will be issued after the test done
BILLING ADDRESS:	Rithwik Projects Pvt Ltd, ON A/C of Song Da-Rithwik (JV), RVNL Tunnel Project Package 6, Near Proposed New Dharidevi Station, Dungripant Village, Badrinat Marg, Next to forest Gate, 246174 SRINAGAR-Pauri Grahwal , GST : 05AABCR5748L1Z2
DELIVERY ADDRESS:	Rithwik Projects Pvt Ltd, ON A/C of Song Da-Rithwik (JV), RVNL Tunnel Project Package 6, Near Proposed New Dharidevi Station, Dungripant Village, Badrinat Marg, Next to forest Gate, 246174 SRINAGAR-Pauri Grahwal
REMARKS:	Service Rejection: The vendor/contractor is solely responsible of any deviation for the service parameter/ specification from the actual sample.After test, the reports will be gone through a quality check in concern department.If the any test parameter deviation noticed with the quality check, the test will be rejected and any damage or required rectification deemed to be debit/recovered by manufacturer/vendor or may be replaced by the vendor at its own cost.
The duplicate copy of this Purchase order should be signed by you with seal in token of your acceptance, Here acknowledgement of goods received shall not be constructed as accepted. The same is subject to inspection and approval by us, any rejection due to not meeting of the requisite quality, shortage in quantity, damage etc., should be replaced by you at your cost.	

Sudhindra
02/11



Service
Changed Purchase Order: 470000000

Page: 3/3

Prepared By : Adyabrata Maharana
Date : 02-Jan-23

Yours faithfully,
Rithwik Projects Pvt Ltd


Authorized Signatory



We do hereby agree to the terms and condition on this Purchase Order

Accepted By
GLOBAL TESTING & CALIBRATION LABORA



कार्यालय सहायक अभियन्ता (द्वितीय)
अस्थाई खण्ड लोक निर्माण विभाग, ऋषिकेश (देहरादून)



Office of the Executive Engineer, Ty. Division PWD Rishikesh

Phone & Fax - 0135-2430660

E-Mail - eetdrksh@rediffmail.com

पत्रांक क.स. डिजाईन/

दिनांक 07/10/2022

सेवामें,

M/s Global Testing and Calibration Laboratory
Pithuwala, Near Govt. Polytechnic,
Shimla Bypass Road,
Dehradun


विषय:- सी0बी0आर0 वैल्यू एवं कस्ट डिजाईन के सम्बन्ध में।

महोदय,

उपरोक्त विषयक, अवगत कराना है कि निम्नलिखित मार्गों के निर्माण हेतु आगणन गठित किया जाना प्रस्तावित है तथा मार्गों के निर्माण हेतु कस्ट डिजाईन एवं सी0बी0आर0 वैल्यू ज्ञात की जानी है जिससे उपयुक्त प्राविधानों के साथ आगणन गठन की कार्यवाही की जा सके।

1. जनपद देहरादून के विधानसभा क्षेत्र डोईवाला के अन्तर्गत बागी नवाकोट डिम्बर मोटर मार्ग, लम्बाई 4.50 किमी0।
2. जनपद देहरादून के विधानसभा क्षेत्र डोईवाला के अन्तर्गत इठारना देवली मोटर मार्ग, लम्बाई 4.50 किमी0।

अतः आप उक्त मार्गों से मृदा नमूना एकत्रित कर परीक्षणोंपरान्त आख्या अद्योहस्ताक्षरी कार्यालय में प्रस्तुत करने का कष्ट करें।


07/10/2022
सहायक अभियन्ता (द्वितीय)
अस्थाई खण्ड लो0नि0वि0
ऋषिकेश

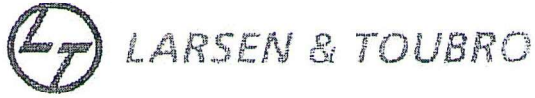
पत्रांक...../

दिनांक.....

प्रतिलिपि:-

1. अधिशासी अभियन्ता अस्थाई खण्ड, लो0नि0वि0, ऋषिकेश को सूचनार्थ प्रेषित।
2. श्री ओम प्रकाश चन्द्रा, अपर सहायक अभियन्ता, अस्थाई खण्ड, लो0नि0वि0, ऋषिकेश को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

सहायक अभियन्ता (द्वितीय)
अस्थाई खण्ड लो0नि0वि0
ऋषिकेश



LARSEN & TOUBRO

Larsen & Toubro Limited
L & T Construction
Heavy Civil Infrastructure
Mount Poonamallee Road
Manapakkam, P. B. No. 979
Chennai – 600 089, INDIA
CIN: L99999MH1946PLC004768

Ref: LNT/RKSH-KNPG/P4/PLN/2022/36

Dated: 24.06.2022

To,

GLOBAL TESTING & CALIBRATION LABORATORY,
Pitthuwala, Near Govt. Polytechnic College,
Shimla Bypass Road, Dehradun (UK) - 248001
Mo: +91 9650024285

Web: gtelddn@gmail.com

Project: Construction of Tunnels, Formation, Construction Shaft and other Ancillary Works from Chainage 47+360 to 63+117 Km (FLS) With TBM and NATM Under Package-4 in Connection with New BG Line Between Rishikesh and Karanprayag (125 km) in the State of Uttarakhand, India.

Sub: 3G Welder Qualification Certificate

Reference - Your Quotation No.: GTCL/240622/002

Dear Sir,

This has reference to our discussion. We are herewith to perform below test and submit sample for it.

Sl. No.	Description
1.	3G Welder Qualification Certificate

The test is to be performed at site and sample should be taken for further results.

You are herewith requested to provide the acknowledgment of receipt of test and sample at your lab and further a copy of the results and Qualification Certificate.

Yours faithfully

For **Larsen & Toubro Limited**

(Rakesh Arora)

Contractor's Representative

Site Office - Larsen & Toubro Ltd. Heavy Civil Infrastructure, Rishikesh Karanprayag BG
Rail Link-Package-4, Tunnel-8, Portal-1 Site, Village Saur, Tehsil Dehradun, Dist. Pauri
Garhwal, Uttarakhand 249301



GREY LINE ARCHITECTS

Architectural, Interior Designing & Engineering Consultancy

Ref No.:- GL/SOIL-TEST/HOS/01

Date:- 03/07/2022

To,

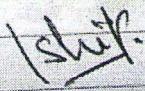
Mr. Pavan Patel
Director
Global Testing & Calibration Laboratory
Pithuwala, Near Govt. Polytechnic College
Shimla bypass Road, Dehradun

**SUB:- WORK ORDER FOR SOIL INVESTIGATION 50 BEDS CRITICAL CARE HOSPITAL
AT UTTARKASHI, GOPESHWAR- CHAMOLI, RUDRAPRAYAG AND PAURI (U.K.)**

Dear Sir,

1. With reference to our telephonic discussions dated 03/07/2022
2. We have pleasure in awarding the works to your organization to execute the above mentioned works for the Soil Investigation for **50 Beds Critical Care Hospital At Uttarkashi, Gopeshwar- Chamoli, Rudraprayag and Pauri (U.K.)**
3. After completed soil investigation Report please provide the signed copy all the relevant documents.

Thanking You
Yours Sincerely

M/S GREY LINE ARCHITECTS

partner

(Ar. Ishit Bharadwaj)
Partner
M/s Grey Line Architects

Office Address:- Plot No.-4, Second Floor, Plot No. C-18, Sector-13, Vashundhara,
Ghaziabad (UP)- 201012

To,
Global Testing & Calibration Laboratory
Pithuwala, Near Gov. Polytechnic College,
Shimla Bypass Road, Dehradun (U.K.) – 248001

Subject- Construction of rail Bridge No-9 with Span arrangement of 15x30.5m Composite steel girder at CH. 73+253.8m and construction of steel through girder Road Bridge with span arrangement of 2x110m with extended viaduct over river Alaknanda at Srinagar including other ancillary work like river training, protection works etc. in connection with Rishikesh- Karanprayag New BG Rail line Project in the state of Uttarakhand, India, **Regarding design of Back Fill material to be used for filling as filter media behind Road Bridge Abutment A-01 & A-02.**

LOA No.: RVNL/RKSH/T/W/Rail & Road Br./190/1319, Date 14.12.2018.

CA NO.: RVNL/RKSH/Works/Rail & Road Bridge/295/CA-40, Date.09.05.2019

Dear Sir,

With reference to the above-mentioned subject, you are requested to send your representative for the sampling of material at the said project location and accordingly design for backfilling material to be used for filling as filter media behind Road Bridge Abutment A-01 & A-02 with compliance to MORTH specification of clause 2504.2.2 and IRC 78: 2014 in your laboratory.

You are also requested, during the design and testing of material kindly, inform us prior, for witness testing by our representative at your lab.

Furthermore, after completion of the testing and design send the report to the undersigned with the intimation to the contractor M/s Rahee-Mangalam (JV). The required test charges shall be borne by the contractor M/s Rahee-Mangalam (JV).

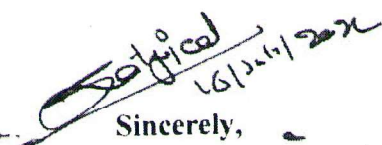
Thanking you.

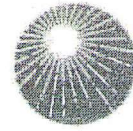
On the test reports the following details to be mentioned.

1. **Client** – Rail Vikas Nigam Limited
2. **PMC** – Ardanuy India Pvt. Ltd.
3. **Contractor** – M/s Rahee-Mangalam (JV).

Copy to:

1. AGM/P3/RKSH/Civil-For kind information please.
2. Sr. DGM/RVNL/Srinagar-For kind information please.
3. M/s Rahee-Mangalam (JV) -For kind information please.
4. AIPL India, H.O., Delhi for kind information through email.


Sincerely,
(SATYAJEET KHANDURI)
Project Manager
PMC/ARDANUY INDIA PVT LTD.
RVNL-SRINAGAR



Letter of Intent

To: M/s. Global Testing and Calibration Laboratory Pitthuwala, Near Govt Polytechnic College, Shimla Bypass Road, Dehradun - 248001	LOI No.	20220903	
	Order Date	14/09/2022	
	Order Type	Testing	
	Buyer Person	Mr. Alik Debnath	
	Project code:	P.22.008	
Contact details:	Ph: 7830003312 (Email: gtciddn@gmail.com)	For Project	RVNL ECOR - Slope Protection
Vendor Code:	NEW	Net Value	Rs.78,000/-
Vendor GSTN:	05CEHPK1800H1ZY	GTFL GSTN	21AAACG1377P1ZJ Odisha
Project work	Pull out Testing of Anchor Bar / Rock Bolts		
Your Ref:	Your quotation no: GTCL/260822/02 dated 26/08/2022.		

Dear Sir,

With references cited above, we are pleased to release this **Letter of Intent ("LOI")** for the work of **"Testing of SD Anchors, Nuts, Bolts, Plates, Mesh Wire and CC Mix"** on terms of **Back-To-Back Basis** with all the terms & conditions & impacts thereof of client's order except of quantity & rate of work &/or except otherwise excluded/mentioned separately, for **"Execution of Slope Protection work in in high depth collapsible cutting section in Duburi – Baghuapal Block Section of Angul – Sukinda New BG Line project under Khurda Road Division of East Coast Railway in the State of Odisha"**, as per Notification of Award No. **RVNL/BBS/ANGL-SKND/SLT/lope Protection/2022/34/6126** dated **26/03/2022** and extensions thereof, issued by **Rail Vikas Nigam Limited** in favour of **Garware Technical Fibres Limited**.

The Letter of Intent is detailed further in the Annexure enclosed herewith:

Annexure I : Commercial Terms & Conditions Annexure III : General Terms & Conditions
Annexure II : Scope of Works

We request you to please sign on all pages of this Letter of Intent and all its attachments as a token of your acceptance, return it to us for onward process, and complete the works as required in time.

Thanking you,

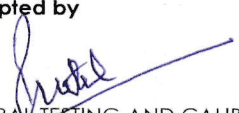
For **Garware-Wall Ropes Limited**

We have Read all terms and conditions carefully and accept the same unconditionally.
For **M/s. Global Testing & Calibration Laboratory**


Tiru Kulkarni
President – GEO Division


.....
(Authorised signatory)

GLOBAL TESTING & CALIBRATION LABORATORY
Pitthuwala, Near Govt. Polytechnic
College, Shimla Bypass Road
Dehradun (UK) - 248171

WORK ORDER						
Agency's name:	GLOBAL TESTING AND CALIBRATION LABORATORY	Job No:	TC/KJP5/22-23			
Agency's Address:	Pitthuwala, Near Govt. Polytechnic College, Shimla Bypass Road, Dehradun (UK)-248001. Mob:9650024285, 7830003312 Email:gtclddn@gmail.com	WO No.& Date	KJP5/TITAN/05, DT.20-12-2022			
Contact Person : Pavan Patel (Director)						
Contractor's name:	TITAN CONTRACTS	Contact No:	8886672207			
Site Address:	Kohima-Jessami Road Project Package-5, Losami (Village), Phek (District) Nagaland - 797102.	E-mail:	titancontracts21@gmail.com			
Ref: Submitted quotation :GTCL/141222/02 (Revised) & telephonic discussion, dtd.14.12.2022						
SCOPE OF WORK						
SL. NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	REMARKS
1	Arranging & Carryout the Pullout test of SDA R32 Nails at all levels & slopes as per IS:11309- 1985 & approved Methodology in Package V Road Project at Losami, Phek (NL) including all equipment, labour, tools & tackles.	per Point	6 (Six)	4,500.00	₹ 27,000.00	
2	Mobilization	LS	1 time	25,000.00	₹ 25,000.00	
Work Order Value					₹ 52,000.00	
(Work Order Value: Rupees Fifty Two Thousand Only						
Terms & Condition of Agreement: -						
1	Adequate Manpower, tools & tackles required to complete the scope works will be supplied by Agency					
2	Valid Calibration Certificate of all equipment and machinery shall be supplied by the Agency, prior to the test.					
3	Test Reports/certificate shall be submitted by the Agency in time.					
4	Work Bill shall be raised on actual successfully test completed points at site.					
5	GST @18% will be paid at actual					
6	Labourer/staff Accommodation & Fooding will be in scope of Agency					
7	Labourer/staff Safety, Insurance & Medical under Agency's Scope.					
8	Transportation : Pickup & Dropping from Dimapur to Site (Losami) & Site to Dimapur will be arranged by the Contractor.					
Payment Terms:						
*	50% Mobilization Advance along with Work Order					
*	30% After completion of Pullout Test					
*	20% after Submission of Pullout Test reports.					
*	No Labour idle charges will be paid.					
Accepted by						
						
(GLOBAL TESTING AND CALIBRATION LABORATORY)			(Authorized Signatory)			



If you can dream it. we can build it.

THE SHRESTHA CONSTRUCTION

🏠 MV Apt. Jakhan, Rajpur Road, Dehradun (UK)- 248001

✉️ theshresthaconstruction@gmail.com

📞 9627488109 | 8755388109

🏷️ GST/UIN : 05ASNPG0907D2Z6

LOA NO. JODA/TSC/GTCL/004

Date: 1.04.2023

To
Global Testing & Calibration Laboratory
Pitthuwala, Shimla Bypass Road
Dehradun, UK -248001

Kind. Attn : Mr. Pavan Patel

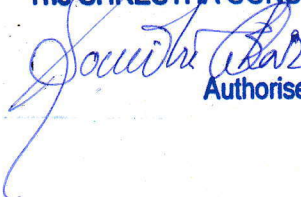
Sub: Letter of Award (LOA) towards the testing to be done at the slope protection Works at Tata IOPP Mine, Joda , Odisha.

Dear Sir,

We hereby convey our acceptance to your final price proposal email through dated 30.03.2023 this LOA subject to the following:

1. The scope of work briefly as preparing of Design Mix for the wet Shotcreting work and conducting of Pull out testing of Rock Bolts etc.
2. The total consideration for entire scope of services, responsibilities, liabilities, obligations covered under our enquiry dated 30-03-2023 towards subjected job for contract value shall be Rs. 50000.00 plus GST extra as per applicable.
3. Payment terms for the order shall be as follows:
 - a. 25% of the total Work Order shall be released along with the acceptance of this LOA received.
 - b. Rs.10000.00 after the receiving of Design mix.
 - c. Balance payment after successfully completion of Pull Out testing at site.
4. Design Mix shall be provided by on or before 2.04.2023 and the Pull Out Testing of Anchors shall be done by 06.04.2023.
5. Please submit, in writing, your unconditional acceptance of this LOA within 24Hrs from the date of issue of this LOA.
6. For any further communication please contact undersigned.

For,
The SHRESTHA CONSTRUCTION


Authorised Signatory

• National & State Highway Road Construction
• Slope Stabilisation Work

• Bridges & Flyover Construction
• Residential & Commercial Building Construction
• Shopping or Business Complexes Construction

PROJECT NAME: SLOPE PROTECTION WORK AT IRON ORE PROCESSING PLANT (IOPP), JODA, ODISHA - DESIGN MIX AND PULL OUT TESTING WORK

CLIENT : M/S THE SHRESTHA CONSTRUCTION, MV APT., JAKHAN, DEHRADUN, UK 248001

Sl. No.	Item Description	Unit	Qty	Final Rates (in Rs./-)	Final Amount (in Rs./-)	Remarks
1	Preparing of Mix Design of grade M-25 for the Wet shotcreting work	Nos	1	10000	10000.00	Lodging and fooding of technicians and helpers shall be in M/s TSC Scope
2	Pull Out Testing Work	Nos	4.00	5000.00	20000.00	
3	Mobilisation charges	LS			20000.00	
				TOTAL VALUE =	50000.00	
		Add :		GST @18% =	9000.00	
				TOTAL VALUE OF LOA =	59000.00	

For,
The SHRESTHA CONSTRUCTION


Authorised Signatory

Rajiva Kumar & Associates

NS-EN ISO 9001:2008 / ISO 9001:2008 Certified

Architects

Engineers

Interior Designers

Income tax Valuers

REF:- RA-DEL/EMRS/Soil-Test/NPCC/2504

Date:- 25/04/2023

WORK ORDER

To,

Mr. Pavan Patel
Director
Global Testing & Calibration Laboratory
Jagriti Vihar, Harrawala, Railway Station Road
Dehradun (U.K.)-248001

**REF:- CONSTRUCTION OF EKLAVYA MODEL RESIDENTIAL SCHOOL (EMRS) AT
CHAKRATA, DEHRADUN (UTTRAKHAND) CLIENT NPCC LTD.**

SUB:- WORK ORDER FOR SOIL INVESTIGATION

Dear Sir,

1. With reference to your quotation no. GTCL/200423/02 dated 20/04/2023 and subsequent discussions on the subject and rates agreed.
2. We have pleasure in awarding the works to your organization to execute the above mentioned works for the Soil Investigation to be conducted at Site EMRS at Chakrata, Dehradun (U.K.)
3. After completed the above mentioned work please provide the signed copy of all the relevant documents.

Thanking You
Yours Sincerely



Praveen Kumar
Executive Director
For M/s Rajiva Kumar & Associates

PAKAL DUL PROJECT

**JAIPRAKASH
ASSOCIATES LIMITED**

Engineering Division

Ref. No: JAL/PAKAL/2023-24/WO/ 71

Date: 01.08.2023.

To,
M/s Global Testing & Calibration Laboratory
Jagrati Vihar, Railway Station Road, Harrawala,
Dehradun - 248001
Uttarakhand
GSTIN : 05CEHPK1800HIZY
Mob. : +91- 9650024285, 7830003312
E-Mail- gtclddn@gmail.com

Sub: Performing Plate Load Test & Evaluation of Deformation Modulus for Embankment material of different Zones of Concrete Face Rockfill Dam(CFRD) at Pakal Dul HEP, Drungdurañ, Kishtwar (J&K) - **Increase in number of Plate Load Test**

Ref: Our Work Order No: JAL/PAKAL/2023-24/WO/02, dated 19/04/2023

Dear Sir,

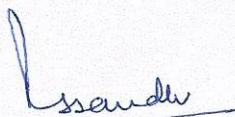
With reference to our above cited work order, we are hereby pleased to increase the number of plate load tests being conducted by your agency.
The number of plate load test which shall be required to be conducted by you will 150 Nos. Accordingly Sl. No. 2, as per Annexure-2, stands revised to 150 Nos. Other terms and conditions as contained in stated Work Oder shall remain unchanged.

You are required to sign the duplicate copy of this Work Order as a token of your acceptance and return the same to us.

Thanking you,

Yours faithfully,
For Jaiprakash Associates Limited

**Accepted
For and on behalf of
M/s Global Testing & Calibration Laboratory**



(Authorized Signatory)



(Authorized Signatory)
GLOBAL TESTING & CALIBRATION LABORATORY
Jagrati Vihar, Harrawala, Railway Station Road,
Dehradun (UK) - 248001



Project Office: Pakal Dul H.E. Project-Dam Package, V-Dharghuran, PO-Palmar, Tehsil-Dachhan, Distt. Kishtwar (J&K)
Corresp. Office: Pakal Dul H.E. Project-Dam Package, Villa No. 20 (A-3), Sector-1, Chenab Nagar, Semna Colony, Kishtwar-182206 (J&K) Ph. : +91-1995261411
Corp. & Regd. Office : Sector-128, Noida - 201 304, Uttar Pradesh (India)
Office : Ph. : +91 (120) 4609000, 2470800 Fax : +91 (120) 4609464, 4609496
Head Office : 'JA House', 63, Basant Lok, Vasant Vihar, New Delhi-110057 (India)
Ph. : +91 (11) 26141540, 26147411 Fax : +91 (11) 26145389, 26145391

Ref No: - SCC/HP/2022-23/06032023

Date: 06th March 2023

To
Global Testing & Calibration Laboratory
Pitthuwala, Near Govt Polytechnic,
Shimla Bypass Road, Dehradun (UK) - 248001
Mbl : 9650024285, 7830003312
Email : gtclddn@gmail.com

Kind Atten : Mr. Pavan Patel, Director

Sub: - WO for Borehole & testing for the project "Rehabilitation and Upgradation to two-lane configuration of Hamirpur - Karnohal Section (km 141.000 to 181.000) (Total Km: 40) of NH-70 in the state of Himachal Pradesh.

Ref: - Your Quotation No GTCL/050323/02 Date 05/03/2023

Dear Sir,

As mentioned in subject above the Scope of work:

- Borehole up to 30 mtr. Depth (2 Point Min.): Rs. 5000- Running Mtr.
- Mobilization charges: Rs. 20000-

Term and Conditions :

1. GST @18% will paid extra & TDS will applicable.
2. 20% payment on After Team mobilize on site as advance, 40% payment on completion of work and remaining payment after submitting reports and bill.

Thanking you,

Yours Faithfully,



For Surya Construction Company


Received & Accepted By

Global Testing & Calibration Laboratory

Terms & Conditions

Discount	: NA
Packing/Forwarding	: Included
Goods & Service Tax	: Extra @18%
Completion Period	: 10 Days
Transport	: Included
F.O. R	: NA
Insurance	: NA
Payment	: Payment shall be made after approval from Department of Test Reports.
Note	: NA
Remarks	: 1. Subject to Lucknow Jurisdiction. 2. Billing in favour of "R.K. Engineers Sales Ltd." Fortuna Tower, 2 nd Floor, 25 New Road, Dehradun Uttarakhand -248001 3. Kindly mention our Order No. in your Challan, Invoice & attach our Purchase Order copy along with your Invoice. 4. Any penalty due to non-compliance of the provisions of the GST Law will be the sole responsibility of the Agency/Seller/ Contractor.

For R.K. Engineers Sales Ltd.



Jyoti Kukshal
(Office Coordinator)

Prepared by: Jyoti Kukshal

Ordered By: Mr. Sumit Agarwal

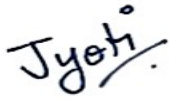
Referred By: Mr. Deepak Bisht



Terms & Conditions

Discount	: NA
Packing/Forwarding	: Included
Goods & Service Tax	: Extra @18%
Completion Period	: 10 Days
Transport	: Included
F.O. R	: NA
Insurance	: NA
Payment	: Payment should be made after submitting Test Reports & Bills.
Note	: NA
Remarks	: 1. Subject to Lucknow Jurisdiction. 2. Billing in favour of "R.K. Engineers Sales Ltd." Fortuna Tower, 2 nd Floor, 25 New Road, Dehradun Uttarakhand -248001 3. Kindly mention our Order No. in your Challan, Invoice & attach our Purchase Order copy along with your Invoice. 4. Any penalty due to non-compliance of the provisions of the GST Law will be the sole responsibility of the Agency/Seller/ Contractor.

For R.K. Engineers Sales Ltd.



Jyoti Kukshal
(Office Coordinator)

Prepared by: Jyoti Kukshal

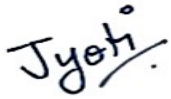
Ordered By: Mr. Aadarsh Srivastava

Referred By: Mr. Ajesh Garg

Terms & Conditions

Discount	: NA
Packing/Forwarding	: NA
Goods & Service Tax	: Extra @18%
Completion Period	: 10 Days
Transport	: NA
F.O. R	: NA
Insurance	: NA
Payment	: Payment should be made after submitting Test Reports & Bills.
Note	: NA
Remarks	: 1. Subject to Lucknow Jurisdiction. 2. Billing in favour of "R.K. Engineers Sales Ltd." Fortuna Tower, 2 nd Floor, 25 New Road, Dehradun Uttarakhand -248001 3. Kindly mention our Order No. in your Challan, Invoice & attach our Purchase Order copy along with your Invoice. 4. Any penalty due to non-compliance of the provisions of the GST Law will be the sole responsibility of the Agency/Seller/ Contractor.

For R.K. Engineers Sales Ltd.



Jyoti Kukshal
(Office Coordinator)

Prepared by: Jyoti Kukshal

Ordered By: Mr. Sumit Agarwal

Referred By: Mr. Deepak Bisht



Terms & Conditions

Discount	: NA
Packing/Forwarding	: Included
Goods & Service Tax	: Extra @18%
Completion Period	: 10 Days
Transport	: Included
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For R.K. Engineers Sales Ltd.



Jyoti Kukshal
(Office Coordinator)

Prepared by: Jyoti Kukshal

Ordered By: Mr. Sumit Agarwal

Referred By: Mr. Deepak Bisht



WORK ORDER

To,

Date: 27th May 2024

M/s. SOIL RESEARCH LABORATORY
H.N.4, AYUSH VIHAR, JANKIPURAM EXTENSION
LUCKNOW(UP)-226021
Mob.: +91 9650024285,9151555491
Email: soilresarchlaboratory@gmail.com

Kind Attn. – Mr Pavan Kumar Managing Director

Subject: Geotechnical investigation work for **Consultancy Services for Feasibility Study and Preparation of Detailed Project Report for improvement and up-gradation of "In-Principle" declared National Highways (1) Khambhaliya Advana — Porbandar road (2) Khambhaliya — Bhanwad — Ranavav (Up to Junction of NH-8B road and (3) Porbandar — Bhanwad — Jamjodhpur — Kalawad road as new National Highway in the State of Gujarat.**

This has reference to the discussions held with us and your quotation received regarding services on the work mentioned under the subject. You have assured us that you have the technical skill, manpower, plant machinery and well-equipped accredited laboratory to complete the job within the time frame as per the terms of reference mentioned below in this work order.

TERMS & CONDITIONS

1. You shall submit all the vetted Geotechnical Investigation reports to Mr Mukesh Soni, Director (Transportation)/ Design Team for his checking and approval; only after which your payment shall be released.
2. You shall get all your reports vetted by the concerned Authorities.
3. The entire borehole should be witnessed at the site by the concerned Authorities.
4. We expect that you will remain associated with this organization till the above-said work is completed, and accepted by our experts and client including all revisions/ changes within the stipulated time frame.
5. We will help you in case of any requirement of Co-ordination or any standard formats.

TERMS OF REFERENCE

1. The work shall cover investigation to determine the suitability or otherwise of the soil or rock to support the foundations of the bridge or other structure and also to determine soil parameters and rock characteristics required for the design of foundations by in-situ testing or testing of samples/cores taken from bores/drill holes.
 2. The sub-surface investigations shall be carried out in a way that the profiles of different types of soils for the entire length of the proposed structure are obtained and recorded.
 3. Other information relating to the existence of deleterious material in soil or groundwater, porosity of rock, artesian condition etc. shall be submitted.
 4. The fieldwork shall consist of the drilling of boreholes for the collection of undisturbed and disturbed samples
-

and the preparation of bore logs. This will include the collection, preservation and testing of samples supplemented by laboratory investigations.

5. Investigations shall cover the entire length of the bridge and also extend on either side for a distance about twice the depth below the bed of the last main foundation. Bore shall be taken as per the Client's RFP.

"Consultant shall have to take 100/150 mm dia. exploratory bore at suitable locations as per site conditions in all type of strata as per IRC-78-2014 and section 2400 of MORTH Specifications".

6. Bores shall be taken up to depth as detailed in BOQ.

7. In case the soil at the proposed foundation level is found to be unsuitable or of doubtful bearing capacity the depth of investigation shall be extended to four times or till firm and stable soil or rock is met with.

8. In general the investigations shall be comprehensive enough to give the following information:-

- i. The engineering properties of the soil/rock
 - ii. Location and extent of soft layers, cavities and gas pockets, if any, under the hard founding strata
 - iii. Geological conditions like type of rock, faults, fissures or subsidence due to mining, cavities, hollows, porosity etc.
 - iv. Groundwater level
 - v. Lowest water level
 - vi. High flood level and E.H.F.L.
 - vii. Artesian conditions
 - viii. Quality of water in contact with the foundations
 - ix. Depth of rock strata and its variation over the length of the bridge
 - x. The extent and character of the weathered zone
 - xi. Whether the bed consist of isolated boulders or a continuous rock foundation
 - xii. Erodibility of rock to the extent possible
- The drilling through rock shall be carried out as per IS: 5313.

10. The data shall be recorded under IS: 4464.

11. The cores shall be stored properly under IS: 4078.

12. You shall also be required to submit a photograph of the bores without which payments shall not be released.

13. The entire soil sample carried on site shall be kept carefully in a Core Box and will be to the Client (NH PWD) and an obtained receipt has to be deposited and submitted to us.

TIME SCHEDULE:

The schedule for carrying out geological investigation and submission of complete documents as per the Terms of Reference shall be 30 days (including the rainy season) from the date of signing of the work order.

COMMENCEMENT OF SERVICES:

Immediately after signing this work order.



Bill of Quantities:

Sl. No	Description of Item	Unit	Rate (Rs)
1	Carrying out exploratory drilling of boreholes down to a maximum depth of 15m with HX/HQ/NX/NQ size boreholes in all types of Gravel mix & boulders up to 10meter depth (Weathered, fresh) with the triple core barrel as per specifications & as directed by engineer in-charge. The item includes carrying out field & laboratory testing (NABL-approved Water Permeability Test in the bore, UCS test, tri-axial test direct shear test & submission of the report of further items including Geo Mapping & evaluation of bearing capacity based on about test & rock Properties, including laboratory tests & report.	RMT	2000
2	Carrying out exploratory drilling of boreholes down to a maximum depth of 25m with HX/HQ/NX/NQ size boreholes in all types of Hard Rock up to 3meter depth. (Weathered, fresh) with the triple core barrel, including laboratory tests & reports.	RMT	2000
3	Carrying out exploratory boreholes down to the maximum depth of 15m. 150 mm size boreholes in all types of soil, including laboratory tests & report	RMT	1500
4	CBR-California Bearing Test- Collection of the sample for the CBR test (from the existing G.L) & conducting of the laboratory CBR test on the soil sample at MDD & OMC	Per sample per km	1000

PAYMENT SCHEDULE -

An advance payment of Rupees One Lac shall be made on mobilization of resources at the project site which shall be recoverable from the first payment.

1. After completion of boring work - 50% of the amount payable as per agreed rates.
2. After submission of complete bore data and other reports - the remaining 50% of the amount is payable as per agreed rates.
3. GST amount shall be payable after submitting the Challan.

In token of your acceptance to provide our services as per aforesaid defined terms of reference and terms and conditions kindly sign and retain one copy of the work order.

Note: The location of the bore will be intimated to you after GAD preparation.
(List enclosed)



Sl No.	NH No.	Description	No.
1	151 K	ROB	1
		Major Bridge	6
		Minor Bridge	65 (22 New)
2	927 K	ROB	1
		Major Bridge	3 (0)
		Minor Bridge	33 (2)
3	151 AD	ROB	1
		Major Bridge	9 (2)
		Minor Bridge	32 (2)

Thanking You,

Yours Sincerely,
For, Boulevard Engineering Pvt. Ltd.

Signed and Accepted by
For M/s. Soil Research Laboratory



Authorized Signatory

Authorized Signatory