



# UNIVERSAL TEST HOUSE

Ground Floor, Vikash Palace, Danapur cum Khagaul,  
Near Kotak Mahindra Bank, Patna (Bihar) – 801105, India  
Phone : +91 7004811631 / 8521888878 / 7454944222  
Email : care@uthlab.com, Website : www.uthlab.com  
GST No. 10AAGFU9004Q1ZY; MSME : UDYAM-BR-26-0018385



## COMPANY PROFILE

# UNIVERSAL TEST HOUSE

*(Quality isn't expensive, it is priceless)*

**(ISO CERTIFIED AND NABL ACCREDITED LABORATORY)**

(NABL Certificate No: TC - 10410 for Mechanical, Chemical & NDT)

**MATERIAL TESTING LAB, GEOTECHNICAL  
INVESTIGATION, NDT SERVICES,  
ENVIRONMENTAL TESTING & TECHNICAL  
TRAINING**

(Scan here for NABL Certificate)



**An ISO 9001: 2015 certified and NABL Accredited Laboratory**



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## QUALITY POLICY

**UNIVERSAL TEST HOUSE** - Aims at achieving Efficient, Consistent and Reliable Quality Testing Services with continued improvements in the standards of quality to satisfy customer's requirements. It also aims at being competent and impartial towards laboratory's activities and is also committed to Impartiality & Confidentiality of Customer. Our mission is to Attain & Sustain Total Quality by developing habits of doing our best every time & to provide independent laboratory services in the field of Mechanical, Chemical & NDT testing with excellent quality and following Good Professional Practice.

**UNIVERSAL TEST HOUSE** is committed to comply with International Standard ISO/IEC 17025:2017 & to continually improve the effectiveness of Management system.

**UNIVERSAL TEST HOUSE** is continually eliminating/ minimizing risk and increasing opportunities to achieve the Quality Objectives.

**UNIVERSAL TEST HOUSE** is a team of qualified, trained and dedicated employees who are working as per the requirements of this documentation & it also has best resources to serve the health and environmental needs of society through science and technology.

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Date: -----/-----/-----

To,

.....  
.....  
.....  
.....

## Sub: Request for Grant of Approval for Material Testing

Dear Sir,

We wish to introduce ourselves as one of the leading testing laboratory having prestigious state of the art facilities. **Universal Test House (UTH), Patna, is an ISO 9001: 2015 certified and NABL Accredited laboratory.** All the equipment are highly advance as per IS Specifications and calibrated by NABL Certified Calibration Agencies.

**UTH** is having its full-fledged laboratory at walking distance from Danapur Railway Station Patna, Bihar (801105).

**UTH** is equipped with most sophisticated equipment and supported by experienced scientists, analysts, and engineers. **UTH** has a strong analytical capability to directly assist clients & supports in house quality assurance & research projects.

We wish to take this opportunity to provide avenues where **UTH** can assist you in addressing your business challenges. We assure you for competent workforce, adequate instrumentation, skill and services to handle all your analytical requirements at very competitive charges.

On the basis of above, we request you to empanel our Patna Laboratory for the work of third-party quality assessment during your projects.

All the supporting documents are attached with this letter.

Thanking you,  
For **UNIVERSAL TEST HOUSE**

**(MANORANAJAN SINGH)**  
**LAB DIRECTOR**

**An ISO 9001: 2015 certified and NABL Accredited Laboratory**



National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**UNIVERSAL TEST HOUSE**

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

GROUND FLOOR, VIKASH PALACE, DANAPUR CUM KHAGAUL, PATNA, BIHAR, INDIA

in the field of

**TESTING**

Certificate Number: TC-10410

Issue Date: 17/03/2022

Valid Until: 16/03/2024

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Identity : UNIVERSAL TEST HOUSE

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer



# Certificate of Registration

This is to certify that

## UNIVERSAL TEST HOUSE

GROUND FLOOR, VIKASH PLACE, GARIKHANA, DANAPUR CUM  
KHAGAUL, PATNA - 801105, BIHAR., INDIA

has been independently assessed by QRO  
and is compliant with the requirement of:

**ISO 9001:2015**

## Quality Management System

For the following scope of activities:

**Testing Facility and Inspection of Building & Road Materials.**

Date of Certification: 10th July 2021

2<sup>nd</sup> Surveillance Audit Due: 9th July 2023

1<sup>st</sup> Surveillance Audit Due: 9th July 2022

Certificate Expiry: 9th July 2024

**Certificate Number: 305021071029Q**



  
Head of Certification

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before 365 days from date of the audit.  
(In case surveillance audit is not allowed to be conducted; this certificate shall be suspended / withdrawn).

The Validity of this certificate can be verified at [www.qrocert.org](http://www.qrocert.org)

This certificate of registration remains the property of QRO Certification LLP, and shall be returned immediately upon request.

India Office : QRO Certification LLP

142, 11nd Floor, Avtar Enclave, Near Paschim Vihar West Metro Station, Delhi-110063, (INDIA)

Website : [www.qrocert.org](http://www.qrocert.org), E-mail : [info@qrocert.org](mailto:info@qrocert.org)



भारत सरकार  
Government of India  
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय  
Ministry of Micro, Small and Medium Enterprises

**MSME**  
सूक्ष्म, लघु एवं मध्यम उद्यम  
MICRO, SMALL & MEDIUM ENTERPRISES

## UDYAM REGISTRATION CERTIFICATE



Our small hands  
to make you LARGE

<b>UDYAM REGISTRATION NUMBER</b>	UDYAM-BR-26-0018385																							
<b>NAME OF ENTERPRISE</b>	M/S UNIVERSAL TEST HOUSE																							
<b>TYPE OF ENTERPRISE *</b>	MICRO ( Based on FY 2019-20 )																							
<b>MAJOR ACTIVITY</b>	SERVICES (Trading)																							
<b>SOCIAL CATEGORY OF ENTREPRENEUR</b>	GENERAL																							
<b>NAME OF UNIT(S)</b>	<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">UNIVERSAL TEST HOUSE</td> </tr> </tbody> </table>				S.No.	Name of Unit(s)			1	UNIVERSAL TEST HOUSE														
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1	UNIVERSAL TEST HOUSE																							
<b>OFFICAL ADDRESS OF ENTERPRISE</b>	<table border="1"> <thead> <tr> <th>Flat/Door/Block No.</th> <th>GROUND FLOOR</th> <th>Name of Premises/ Building</th> <th>VIKASH PALACE</th> </tr> </thead> <tbody> <tr> <td>Village/Town</td> <td>DANAPUR CUM KHAGAU</td> <td>Block</td> <td>DANAPUR</td> </tr> <tr> <td>Road/Street/Lane</td> <td>DANAPUR - KHAGAU ROAD,</td> <td>City</td> <td>PATNA</td> </tr> <tr> <td>State</td> <td>BIHAR</td> <td>District</td> <td>PATNA , Pin 801105</td> </tr> <tr> <td>Mobile</td> <td></td> <td>Email:</td> <td>care@uthlab.com</td> </tr> </tbody> </table>	Flat/Door/Block No.	GROUND FLOOR	Name of Premises/ Building	VIKASH PALACE	Village/Town	DANAPUR CUM KHAGAU	Block	DANAPUR	Road/Street/Lane	DANAPUR - KHAGAU ROAD,	City	PATNA	State	BIHAR	District	PATNA , Pin 801105	Mobile		Email:	care@uthlab.com			
Flat/Door/Block No.	GROUND FLOOR	Name of Premises/ Building	VIKASH PALACE																					
Village/Town	DANAPUR CUM KHAGAU	Block	DANAPUR																					
Road/Street/Lane	DANAPUR - KHAGAU ROAD,	City	PATNA																					
State	BIHAR	District	PATNA , Pin 801105																					
Mobile		Email:	care@uthlab.com																					
<b>DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE</b>	14/06/2021																							
<b>DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS</b>	01/10/2021																							
<b>NATIONAL INDUSTRY CLASSIFICATION CODE(S)</b>	<table border="1"> <thead> <tr> <th>SNo.</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>7120 - Technical testing and analysis</td> <td>71200 - Technical testing and analysis</td> <td>Services</td> </tr> </tbody> </table>	SNo.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity	1	71 - Architecture and engineering activities; technical testing and analysis	7120 - Technical testing and analysis	71200 - Technical testing and analysis	Services													
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1	71 - Architecture and engineering activities; technical testing and analysis	7120 - Technical testing and analysis	71200 - Technical testing and analysis	Services																				
<b>DATE OF UDYAM REGISTRATION</b>	01/07/2021																							

\* 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:- 10/04/2022

For any assistance, you may contact:

1. District Industries Centre: PATNA ( BIHAR )

2. MSME-DI: PATNA ( BIHAR )

Visit : [www.msme.gov.in](http://www.msme.gov.in) ; [www.dcmsme.gov.in](http://www.dcmsme.gov.in) ; [www.champions.gov.in](http://www.champions.gov.in)

Follow us @minmsme & @msmechampions



**BE A  
CHAMPION**  
with the  
Ministry of  
**MSME**



**Government of India**  
**Form GST REG-06**  
[See Rule 10(1)]

**Registration Certificate**

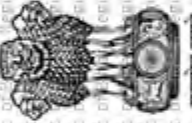
**Registration Number : 10AAGFU9004Q1ZY**

1.	<b>Legal Name</b>	UNIVERSAL TEST HOUSE			
2.	<b>Trade Name, if any</b>	UNIVERSAL TEST HOUSE			
3.	<b>Constitution of Business</b>	Partnership			
4.	<b>Address of Principal Place of Business</b>	GROUND FLOOR, VIKASH PALACE, DANAPUR CUM KHAGAUL NEAR KOTAK MAHINDRA BANK, DANAPUR, Patna, Bihar, 801105			
5.	<b>Date of Liability</b>				
6.	<b>Period of Validity</b>	From	07/07/2021	To	Not Applicable
7.	<b>Type of Registration</b>	Regular			
8.	<b>Particulars of Approving Authority</b>	Centre			
Signature					
Name		Rajeev Ranjan			
Designation		Superintendent			
Jurisdictional Office		Danapur			
9. Date of issue of Certificate		07/07/2021			
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 07/07/2021 by the jurisdictional authority.**



निबंधन, महानिरीक्षक, बिहार तथा फर्म के रजिस्ट्रार का कार्यालय



Date of Registration:- 11/02/2022

No. F331

### फर्मों के रजिस्ट्रीकरण की अभिस्वीकृति

भारतीय भागीदारी अधिनियम, इण्डियन पार्टनरशिप ऐक्ट 1932 के नियम 10(क)

सदस्य जय

---:विहित फारम 'ज'---

फर्म रजिस्ट्रार, बिहार इसके द्वारा भारतीय भागीदारी अधिनियम इण्डियन पार्टनरशिप ऐक्ट 1932 की धारा-58 (1) द्वारा विहित विवरण की प्राप्ति स्वीकार करते हैं।

विवरण प्राप्त कर लिया गया है और फर्म का नाम एवं पता

M/S. UNIVERSAL TEST HOUSE

Address - GROUND FLOOR, VIKASH PALACE, DANAPUR CUM KHAGAUL, NEAR KOTAK MAHINDRA BANK, PATNA - 801105

मात्र 1000 / (एक हजार रूपया)

फर्म रजिस्ट्रार में संख्या:- F000026/2022



कर्म रजिस्ट्रार, रजिस्ट्रीकरण विभाग, बिहार, पटना।

Handwritten signature and official stamp of the Registrar of Firms, Bihar, Patna.



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## About Us

Dear Sir/Mam,

We are pleased to inform you that **M/s. UNIVERSAL TEST HOUSE (UTH), an ISO 9001: 2015 certified and NABL Accredited laboratory** working in the field of material testing. All the equipment's used at our lab while following a test procedure are dully calibrated by NABL certified calibration agency. Universal Test House is located in the heart of city nearby Danapur Railway station, Danapur – Khagaul Road, Near Kotak Mahindra Bank, Patna (801105), Bihar. **UTH** is already providing its test services to prestigious organizations.

**Universal Test House** is equipped with most sophisticated equipment and supported by experienced scientists, analysts, and engineers. UTH has a strong analytical capability to directly assist clients & supports in house quality assurance & research projects.

We are routinely performing various tests according to given **IS Specification for Building or Road Materials, Metals & Alloys, Polymers, Water & Effluents Rubber, Geological Survey, Wood Product, Paint, Emulsion, Non-Destructive Tests (NDT) like Rebound Hammer, Core Cutting, Ultrasonic Pulse Velocity Test, Pile Integrity Test, Pile Load Test, Geotechnical/Soil Investigation work, etc.** All the test procedures are carried under the supervision of highly qualified and experienced Technical managers/staffs. Our service is prompt, reliable & moderate in charges.

1. **Coarse/Fine Aggregate:** - Complete testing as per IS: 383/1970, IS: 2386, CPWD, MORTH Specification: - Specific gravity, Bulk Density, Soundness, Alkali reactivity, Particle Size, Deleterious material, Abrasion etc.
2. **TOR /TMT/ Structural Steel :-** Complete testing as per IS: 1786/1985, IS: 2062/1999 CPWD Specification: - Tensile Strength, Yield Strength, Elongation, Bend/ Re-bend, & Chemical Analysis C, Si, Mn, P, S etc.
3. **Cement:** - Complete testing as per IS: 8112 /1989, IS: 269, IS: 12269, IS: 455, IS: 1489(P-1 & 2) Specification: - Compressive, Strength, Fineness, Setting Time, Soundness, Cao, Mgo, Al<sub>2</sub>O<sub>3</sub>, SiO<sub>2</sub>, SO<sub>3</sub> LOI, Cl etc.
4. **Brick/ Brick Tiles:** - Complete testing as per IS: 1077, 12894, 13757, CPWD Specification: - Compressive Strength, Water absorption, Dimension, Efflorescence.
5. **Ceramic Tiles (glazed / unglazed):** Testing as per IS: 15622, IS: 4457. Specification: - Modulus Of rupture, Water absorption, Cracking, Scratch Hardness, Thermal Shock, Chemical resistance etc.
6. **Cement Concrete Tile (Chequered / Terrazzo / Mosaic):-** Testing as per IS: 1237, IS: 13801 Specification: - Transverse Strength, Water absorption, Resistance to Wear, Dimension Thick of Wearing Layer etc.

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7. **Paver Block:-** Testing as per IS: 15658/ 2006 Compressive strength, Flexural Strength, Water absorption, Wearing area/ Plain area, Dimension, Abrasion resistance Thickness Of Wearing Layer etc.
8. **Cement Concrete Cube:** - Testing as per IS: 516:- Compressive Strength, Density, Weight etc.
9. **Soil:** Testing as per IS: 2720 Proctor Density (MDD/OMC), C.B.R Value Liquid Limit, Plastic Limit, Plasticity Index, Particle Size etc.
10. **Mix Design (WMM /GSB/ BM/ DBC/ Concrete):-** Complete Facilities as per IS: 10262/ SP 23/ MORTH/CPWD Specification.
11. **Water / Effluents:** - Testing as per IS: 456/2000, IS: 10500/1991, IS: 3328 Specification: - PH, Inorganic/ Organic, Solids, Iron etc.
12. **G.I. Barbed / Fencing Wire:** - Testing as per IS: 278 & CPWD Specification: - Tensile Strength, Breaking Load, Weight No. of Lays , C,S,P, Mass of Zinc Coating etc.
13. **M.S/ G.I Pipe:-** Testing as per IS: 1161, 1239, 3589,4270 & CPWD Specification:- Tensile Strength, Dimension, Weight, Flattening Elongation, C, S, P. Mass of Zinc Coating etc.
14. **Insulation Material (Fibre Outer/ Inner Wraps / Glass Wool/ Thermo Cole):** Testing as per IS: 10221, IS:8183, IS: 4671, IS: 3144, &AWWA- C203 Specification: - Breaking Strength, Weight, Thickness, Cross Breaking Strength, Density etc.
15. **Paint /primer/ Distemper:** Testing as per IS: 2932, IS; 5410, IS: 5411, IS: 428, IS:427 :- Drying Time, Flexibility & Adhesion Scratch Hardness Mass Consistency etc.
16. Vinyl Coated Fabric/PU Foam / CRC/ HRC Steel/ EPDM Rubber /Lock Strip gasket/ Hollow Section/ Window glass etc. as per their related Specification.
17. **Thermoplastic Road Marking Paint/Glass beads:** - Testing as per MORTH/ BS/ ASTM Specification. Binder Content, Glass beads, TIO<sub>2</sub>, Low Temperature Cracking etc.
18. **Aluminium/ Copper:** Complete Physical and Chemical Testing as per relevant Standards. A Part from above We undertake testing of Wood, Particle board, admixture, Curing Compound, laminates and Other various types of Construction Chemicals etc.
19. UPVC, HDPE pipes & fittings complete test as per IS 4985, 4984, 14333, 10124. Pressure test, Density test, Dimension, Reversion, Opacity, Ash Content, CBC, Dispersion test, etc.
20. C.I., G.I., C.P. Brass/Bathroom Fittings, test as per IS 3989, 1729, 8931. Pressure test, Dimension, Coating test, etc.
21. PVC Water Stops/PROFILES complete test as per IS 15058.

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## List of Manpower engaged in Testing Procedure

Sl.	Name	Qualification	Designation	Work Experience
01.	Shri A.K. Sinha	M.Tech (Civil from IIT Bombay, PHd - Earthquack	Technical Director	Head of Department (Civil), NIT, Patna (Bihar)
02.	Shri L R Bansal	B.Tech (Civil) from IIT Roorkee	Technical Consultant	Former General Manager in Power Grid Corporation of India Ltd.
03.	Shri S.S. Rao	B.Tech (Civil)	Process Head	Former Senior General Manager EMCO Limited having more than 30 years' experience in Construction Management.
04.	Shri Benu Vatsal	M.Tech & PhD in Soil and water conservation	Principle Engineer	More than five year exp in geo technical investigation.
05.	Shri Ajit Singh	M.Tech & PhD in Soil and drainage System.	Structure Consultant	More than five year exp in structure Design.
06.	Shri Sandeep Kr Choudhary	B.Sc. (Chemistry)	Technical Manager	More than five year exp in NABL Laboratory (chemical section)
07.	Shri Ranjan Kumar	B.Sc. (Physics)	Sr. Analyst	Three years exp in NABL Laboratory (NDT)
08.	Shri Sumit Kumar	B.Tech (Civil)	Analyst	More than Three years exp in Mechanical Section.
09.	Shri Vinod Kumar	B.Tech (Civil)	Analyst	More than Three years exp in Soil Exploration & Pile Testing.
10.	Shri Chandan Kr.	B.Tech (Civil)	Analyst	More than Three years exp in Mechanical Section.
11.	Shri Aditya Kr. Singh	B.Tech (Mech.)	Sr. Analyst	More than five years exp in Mechanical Section.
12.	Shri Nandraj	B.Tech (Civil)	Sr. Analyst	More than five years exp in Mechanical Section.
13.	Shri Goutam Singh	Graduate	CRM	More than five years exp in NABL Laboratory
14.	Shri Dharmraj	I.Sc (PCM)	Analyst	One year exp in Mechanical Section.
15.	Shri Rohit	10 <sup>th</sup>	Attendant	

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## List of Management strength

Sl.	Name	Qualification	Designation	Work Experience
01.	Shri Manoj Kumar Singh	B.Com	Financial & Legal Advisor	More than fifteen year exp in Business Development.
02.	Shri Manish Kumar	B.Tech (Civil)	Techno-Commercial Manager	More than fifteen years exp in Construction Industry.
03.	Shri Manoranjan Singh	BSc (Math) & MBA (Finance)	Quality Manager	More than twenty-three years exp in Implementation & monitoring of ISO.
04.	Shri Hariom Singh Tomar	MBA (Marketing)	Marketing Manager	More than five-year exp in Marketing.
05.	Shri Dharmendra Singh	B.Tech (Civil)	Techno-Commercial Engineer	More than five years exp in Process Marketing.

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## LA1:J230ist Of major Equipment available in laboratory

S. No.	UID of Equipment	Name of Equipment	Make	Range and Accuracy	Last Date of Calibration	Next Due Date of Calibration	Calibrated By (In - House/External Lab)	Traceability (in case of In - house Calibration)	External Laboratory Name
1	UTH/001	Universal Testing Machine	Aimil	0-1000 kN LC-0.1KN	05-10-2021	04-10-2022	External Lab	-	Testncal lab
2	UTH/002	Compression Testing Machine	SSI	0-2000 kN LC-0.1KN	06-10-2021	06-10-2022	External Lab	-	Unique Calibration
3	UTH/003	Dial Gauge (0 - 25mm)	Baker	0 - 25 mm (0.01 mm)	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
4	UTH/004	Vernier Caliper (0 - 300mm)	Insize	0 -300mm (0.01 mm)	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
5	UTH/005	Steel Scale (0 - 300mm)	Kristeel	0 - 300mm (1mm)	08-10-2021	07-10-2022	External Lab	-	Bansal Calibration
6	UTH/006	Measuring Tape (0 - 5000mm)	Freemans	0 - 5000mm	08-10-2021	07-10-2022	External Lab	-	Bansal Calibration
7	UTH/007	Curing Tank (0 to 50°C)	SSI	0 to 50°C (0.1°C)	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
8	UTH/008	Hot air Oven (0 to 250°C)	SSI	0 to 250°C (0.1°C)	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
9	UTH/009	Digital Weighing Balance (0 - 50 Kg)	Moxtron	0 - 50 Kg (5 gm)	18-10-2021	17-10-2022	External Lab	-	Testncal Laboratory
10	UTH/010	Digital Weighing Balance (0 - 6 Kg)	Moxtron	0 - 6 Kg (0.1gm)	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
11	UTH/011	Test Sieve 80mm (300mm Dia)	Standard	80mm	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
12	UTH/012	Test Sieve 63mm (300mm Dia)	Standard	63mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration
13	UTH/014	Test Sieve 40mm (300mm Dia)	Standard	40mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration
14	UTH/015	Test Sieve 20mm (300mm Dia)	Standard	20mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration
15	UTH/016	Test Sieve 16mm (300mm Dia)	Standard	16mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration
16	UTH/017	Test Sieve 12.5mm (300mm Dia)	Standard	12.5mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration
17	UTH/018	Test Sieve 10mm (300mm Dia)	Standard	10mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration
18	UTH/019	Test Sieve 4.75mm (300mm Dia)	Standard	4.75mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration
19	UTH/020	Test Sieve 2.36mm (300mm Dia)	Standard	2.36mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration
20	UTH/021	Test Sieve 50mm (300mm Dia)	Standard	50mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration

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21	UTH/022	Test Sieve 31.5mm (300mm Dia)	Standard	31.5mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration
22	UTH/023	Test Sieve 25mm (300mm Dia)	Standard	25mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration
23	UTH/024	Test Sieve 6.3mm (300mm Dia)	Standard	6.3mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration
24	UTH/025	Test Sieve 1.70mm (300mm Dia)	Standard	1.70mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration
25	UTH/026	Test Sieve 37.5mm (300mm Dia)	Standard	37.5mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration
26	UTH/027	Test Sieve 19mm (300mm Dia)	Standard	19mm	05-10-2021	04-10-2022	External Lab	-	Bansal Calibration
27	UTH/028	Test Sieve 90mm (300mm Dia)	Standard	90mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration
28	UTH/029	Test Sieve 75mm (300mm Dia)	Standard	75mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration
29	UTH/030	Test Sieve 26.5mm (300mm Dia)	Standard	26.5mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration
30	UTH/031	Test Sieve 53mm (300mm Dia)	Standard	53mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration
31	UTH/032	Test Sieve 45mm (300mm Dia)	Standard	45mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration
32	UTH/033	Test Sieve 25mm (300mm Dia)	Standard	25mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration
33	UTH/034	Test Sieve 22.4mm (300mm Dia)	Standard	22.4mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration
34	UTH/035	Test Sieve 13.2mm (300mm Dia)	Standard	13.2mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration
35	UTH/036	Test Sieve 8.0mm (300mm Dia)	Standard	8.0mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration
36	UTH/037	Test Sieve 11.2mm (300mm Dia)	Standard	11.2mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration
37	UTH/037	Test Sieve 6.7mm (300mm Dia)	Standard	6.7mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration
38	UTH/038	Test Sieve 5.6mm (300mm Dia)	Standard	5.6mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration
39	UTH/039	Test Sieve 2.0mm (300mm Dia)	Standard	2.0mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration
40	UTH/040	Test Sieve 10.0mm (200mm Dia)	Standard	10.0mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration

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41	UTH/041	Test Sieve 4.75mm (200mm Dia)	Standard	4.75mm	06-10-2021	05-10-2022	External Lab	-	Bansal Calibration
42	UTH/042	Test Sieve 2.36mm (200mm Dia)	Standard	2.36mm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
43	UTH/043	Test Sieve 1.18mm (200mm Dia)	Standard	1.18mm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
44	UTH/044	Test Sieve 600µm (200mm Dia)	Standard	600µm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
45	UTH/045	Test Sieve 300µm (200mm Dia)	Standard	300µm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
46	UTH/046	Test Sieve 150µm (200mm Dia)	Standard	150µm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
47	UTH/047	Test Sieve 75µm (200mm Dia)	Standard	75µm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
48	UTH/048	Test Sieve 850µm (200mm Dia)	Standard	850µm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
49	UTH/049	Test Sieve 90µm (200mm Dia)	Standard	90µm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
50	UTH/050	Test Sieve 45µm (200mm Dia)	Standard	45µm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
51	UTH/051	Test Sieve 425µm (200mm Dia)	Standard	425µm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
52	UTH/052	Test Sieve 2mm (200mm Dia)	Standard	2mm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
53	UTH/053	Test Sieve 1mm (200mm Dia)	Standard	1mm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
54	UTH/054	Test Sieve 500µm (200mm Dia)	Standard	500µm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
55	UTH/055	Test Sieve 4mm (200mm Dia)	Standard	4mm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
56	UTH/056	Test Sieve 2.8mm (200mm Dia)	Standard	2.8mm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
57	UTH/057	Test Sieve 1.4mm (200mm Dia)	Standard	1.4mm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
58	UTH/058	Test Sieve 710µm (200mm Dia)	Standard	710µm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
59	UTH/059	Test Sieve 355µm (200mm Dia)	Standard	355µm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration
60	UTH/060	Test Sieve 180µm (200mm Dia)	Standard	180µm	07-10-2021	06-10-2022	External Lab	-	Bansal Calibration

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61	UTH/061	Cube Mould 70.6*70.6mm	-	-	09-10-2021	08-10-2022	In - House	Arsh Enterprise	-
62	UTH/062	Cube Mould 150 * 150mm	-	-	09-10-2021	08-10-2022	In - House	Arsh Enterprise	-
63	UTH/063	Le-Chatelier Mould	-	-	09-10-2021	08-10-2022	In - House	Arsh Enterprise	-
64	UTH/064	Metal Rammer	SSI	-	09-10-2021	08-10-2022	In - House	Arsh Enterprise	-
65	UTH/065	Metal Weight (CBR)	-	-	09-10-2021	08-10-2022	In - House	Arsh Enterprise	-
66	UTH/066	Penetration Plunger (CBR)	-	-	09-10-2021	08-10-2022	In - House	Arsh Enterprise	-
67	UTH/067	CBR Moulds	-	-	09-10-2021	08-10-2022	In - House	Arsh Enterprise	-
68	UTH/068	Liquid Limit Apparatus	SSI	-	09-10-2021	08-10-2022	In - House	Arsh Enterprise	-
69	UTH/069	Standard Proctor Mould (100mm)	SSI	-	09-10-2021	08-10-2022	In - House	Arsh Enterprise	-
70	UTH/070	Standard Proctor Mould (150mm)	SSI	-	09-10-2021	08-10-2022	In - House	Arsh Enterprise	-
71	UTH/071	Impact Machine	SSI	-	09-10-2021	08-10-2022	In - House	Arsh Enterprise	-
72	UTH/072	Lc-Water Bath (0 to 100°C)	SSI	0 to 100°C (0.1°C)	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
73	UTH/073	Cement Autoclave	SSI	0-300°C LC-0.1°C	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
74	UTH/074	Cement Autoclave	SSI	0-42kg/cm <sup>2</sup> LC-0.4 kg/cm <sup>2</sup>	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
75	UTH/075	Micrometer	-	0-25mm LC-0.01mm	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
76	UTH/076	Feeler gauge	Insize	0.03-1.0mm	18-10-2021	17-10-2021	External Lab	-	Testncal Laboratory
77	UTH/077	Radius Filler gauge	Insize	7.5-15mm	08-10-2021	07-10-2022	External Lab	-	Bansal Calibration
78	UTH/078	Radius Filler gauge	Insize	15.5-25mm	08-10-2021	07-10-2022	External Lab	-	Bansal Calibration
79	UTH/079	Radius Filler gauge	Insize	1-7mm	08-10-2021	07-10-2022	External Lab	-	Bansal Calibration

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80	UTH/080	Humidity Chamber	SSI	15 - 60°C LC-0.1°C 50-99%, LC-1.0%	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
81	UTH/081	Bevel Protector BP-01	-	0-360° LC-5 Minutes	08-10-2021	07-10-2022	External Lab	-	Bansal Calibration
82	UTH/082	Blain Air Permeability	-	NA	-	-	In - House	-	-
83	UTH/083	Length Comparator	-	0-25mm LC-0.001mm	19-10-2021	18-10-2022	External Lab	-	Techno Measure Pvt Ltd
84	UTH/084	Vibration Machine	SSI	12000±400 RPM	28-10-2021	28-10-2022	External Lab	-	Aec Calibration
85	UTH/085	Vicat Apparatus	-	NA	09-10-2021	08-10-2022	In - House	Arsh Enterprise	-
86	UTH/086	Constant Water Bath (Dig.Temp.)	SSI	0-50°C LC-0.1°C	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
87	UTH/087	Thermometer	Gear	0-360°C LC-2°C	08-10-2021	07-10-2022	External Lab	-	Bansal Calibration
88	UTH/088	Dry & Wet Thermometer	Zeal	-10 to 50°C LC 1°C	19/10/2021	18-10-2022	External Lab	-	Techno Measure Pvt Ltd
89	UTH/089	Stop Watch	Racer	0-24 Hours LC - 0.01 sec	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
90	UTH/090	Digital Tachometer	LT	0-999.9RPM LC 0.1RPM 1000-99999 RPM LC 1RPM	18-10-2021	17-10-2022	External Lab	-	Testncal Laboratory
91	UTH/091	Digital Humidity control panel	SSI	-	-	-	-	-	-
92	UTH/092	Bulk density Cylinder	SSI	3Ltr, 15Ltr, 30Ltr.	09-10-2021	08-10-2022	In - House	Arsh Enterprise	-
93	UTH/093	Loss angels abrasion M/C	SSI	NA	09-10-2021	08-10-2022	In - House	Arsh Enterprise	-
94	UTH/094	Hot Air Oven	SSI	Up to 300°C LC-0.1°C	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
95	UTH/095	Specific gravity test apparatus	SSI	0-15 kg LC-0.5g	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
96	UTH/096	Thermometer	Gear	-10 to 110°C LC-1°C	08/10/2021	07-10-2022	External Lab	-	Bansal Calibration
97	UTH/097	Standard Weight	-	500gm, 1kg, 2kg	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
98	UTH/098	Flakiness index	-	50-6.3	28-10-2021	27-10-2022	External Lab	-	Excellent service
99	UTH/099	Elongation Index	-	63-6.3	28-10-2021	27-10-2022	External Lab	-	Excellent service
100	UTH/100	Crushing Mould	-	-	09-10-2021	08-10-2022	In-house	Arsh Enterprise	-
101	UTH/101	Cube Mould	-	70.6*70.6	09-10-2021	08-10-2022	In-house	Arsh Enterprise	-
102	UTH/102	Le- Chatlier Flask (Cement)	Borosilicate	0-24ml LC-0.1ml	28-10-2021	28-10-2022	External Lab	-	Aec Calibration
103	UTH/103	Hydrometer	-	1.000 to 2.000	18-10-2021	17-10-2022	External Lab	-	Testncal Laboratory
104	UTH/104	Specific Gravity Bottle	Borosil	50ml	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
105	UTH/105	Rebound Hammer	Langry	Oct-80	28-10-2021	28-10-2022	External Lab	-	Aec Calibration
106	UTH/106	Ultrasonic Pulse Velocity	Solgeo	0-999.9 micro second LC-0.1 micro second	28-10-2021	28-10-2022	External Lab	-	Aec Calibration
107	UTH/107	Pile Integrity test Apparatus	Dynamics	0-100m LC-0.01m	-	-	External Lab	-	-
108	UTH/108	Dial Gauge	Baker	0-25mm LC-0.01mm	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
109	UTH/109	Dial Gauge	Baker	0-25mm LC-0.01mm	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
110	UTH/110	Dial Gauge	Baker	0-25mm LC-0.01mm	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise

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111	UTH/111	Dial Gauge	Baker	0-25mm LC-0.01mm	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
112	UTH/112	Dial Gauge	Baker	0-25mm LC-0.01mm	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
13	UTH/113	Dial Gauge	Baker	0-25mm LC-0.01mm	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
114	UTH/114	Pressure Gauge	Akvalo	0-600kg/cm <sup>2</sup> LC-5kg/cm <sup>2</sup>	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
115	UTH/115	E.R.T. Test	WACO	0-10-1000 OHM	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
116	UTH/152	Pressure Gauge	Akvalo	-0- 1000kg/cm <sup>2</sup> LC 1kg/cm <sup>2</sup>	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
117	UTH/153	Direct Shear Test Apparatus	Aimil	0-2KN LC-0.001KN	05-10-2021	04-10-2021	External Lab	-	Arsh Enterprise
118	UTH/154	Triaxial Test Apparatus	Aimil	0-10kN LC-0.01KN	05-10-2021	04-10-2022	External Lab	-	Arsh Enterprise
119	UTH/116	Burette	Borosil	0-50ml, LC-0.1ml	29/32/4243	28/32/4244	GzgtpcrNcd	/	Vgupecrf Nodgtcvqt{
120	UTH/117	Burette	Borosil	0-50ml, LC-0.1ml	29/32/4243	28/32/4244	GzgtpcrNcd	/	Vgupecrf Nodgtcvqt{
121	UTH/118	Pipette	Borosil	0-1ml LC-0.01ml	29/32/4243	28/32/4244	GzgtpcrNcd	/	Vgupecrf Nodgtcvqt{
344	UTH/119	Pipette	Borosil	0-2ml LC-0.02ml	29/32/4243	28/32/4244	GzgtpcrNcd	/	Vgupecrf Nodgtcvqt{
345	UTH/120	Pipette	Borosil	0-5ml LC-0.05ml	29/32/4243	28/32/4244	GzgtpcrNcd	/	Vgupecrf Nodgtcvqt{
346	UTH/121	Pipette	Borosil	0-5ml LC-0.05ml	29/32/4243	28/32/4244	GzgtpcrNcd	/	Vgupecrf Nodgtcvqt{
347	UTH/122	Dry & wet Glass Thermometer	Zeal	-10 to 50 <sup>0</sup> C LC-1 <sup>0</sup> C	3;13214243	3:/32/4244	GzgtpcrNcd	/	VgejpcrO gcuwtg rxvntf
348	UTH/123	Pipette	Borosil	0-10ml LC-0.1ml	29/32/4243	28/32/4244	GzgtpcrNcd	/	Vgupecrf Nodgtcvqt{
349	UTH/124	Pipette	Borosil	0-10ml LC-0.1ml	29/32/4243	28/32/4244	GzgtpcrNcd	/	Vgupecrf Nodgtcvqt{
34:	UTH/125	Pipette	Borosil	0-25ml LC-0.2ml	29/32/4243	28/32/4244	GzgtpcrNcd	/	Vgupecrf Nodgtcvqt{
34:	UTH/126	Bulb Pipette	Borosil	0-50ml	29/32/4243	28/32/4244	GzgtpcrNcd	/	Vgupecrf Nodgtcvqt{
352	UTH/127	Bulb Pipette	Borosil	0-100ml	29/32/4243	28/32/4244	GzgtpcrNcd	/	Vgupecrf Nodgtcvqt{

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353	UTH/128	Volumetric Flask	Borosil	50ml	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
354	UTH/129	Hot Air oven	SSI	Up to 300 <sup>0</sup> C LC-0.1 <sup>0</sup> C	2: /32,4243	29/32,4244	GzgtpcrNod		VguxpcrNodqtcvqt{
355	UTH/130	Volumetric Flask	Borosil	100ml	2: /32,4243	29/32,4244	GzgtpcrNod		VguxpcrNodqtcvqt{
356	UTH/131	Volumetric Flask	Borosil	250ml	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
357	UTH/132	Volumetric Flask	Borosil	250ml	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
358	UTH/133	Volumetric Flask	Borosil	250ml	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
359	UTH/134	Volumetric Flask	Borosil	250ml	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
35:	UTH/135	Volumetric Flask	Borosil	500ml	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
35:	UTH/136	Volumetric Flask	Borosil	1000ml	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
362	UTH/137	Measuring Cylinder	Borosil	0-250ml LC-2ml	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
363	UTH/138	Measuring Cylinder	Borosil	0-350ml LC-2ml	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
364	UTH/139	Measuring Cylinder	Borosil	0-350ml LC-2ml	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
365	UTH/140	Measuring Cylinder	Borosil	0-100ml LC-1ml	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
366	UTH/141	Measuring Cylinder	Borosil	0-100ml LC-1ml	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
367	UTH/142	Ph Meter	RI	0-14Ph LC-0.01Ph			h'jqwug	/	
368	UTH/143	Turbidity Meter	RI	0-1000NTU 0-200NTU			h'jqwug	/	
369	UTH/144	Burette for Strohlein	-	0-1.5ml LC-0.005ml	29/32,4243	28/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
36:	UTH/145	Thermometer	-	-20 to 50°C	2:13214243	29/32,4244	GzgtpcrNod	/	DepucrE orldtcvqg
36:	UTH/146	Controller For Temp.	-	0-1400°C LC-1°C	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
372	UTH/147	Controller For Temp.	SSI	0-1200°C LC-1°C	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
373	UTH/148	Conductivity Meter	RI	1000mMhoms LC-0.01mM			h'jqwug	/	
374	UTH/149	Digital Barometer	-	hg LC-0.1mmhg	23/34,4243	52/33,4244	GzgtpcrNod	/	RX E orldtcvqg
375	UTH/150	Digital Weighing Balance	-	0-220g LC-0.0001g	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{
376	UTH/151	Wet Box (F2 Class)	-	1mg to 200gm	2: /32,4243	29/32,4244	GzgtpcrNod	/	VguxpcrNodqtcvqt{

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Email : care@uthlab.com, Website : www.uthlab.com  
GST No. 10AAGFU9004Q1ZY; MSME : UDYAM-BR-26-0018385



## ENVIRONMENTAL TESTING

Ambient Air Quality	
SL.	Test Parameter
1	Total Suspended Particulate Matter (TSPM)
2	Particulate Matter (PM10)
3	Particulate Matter (PM2.5)
4	Sulphur dioxide (SO <sub>2</sub> )
5	Nitrogen dioxide (NO <sub>2</sub> )

Stack Emission Quality	
Sl.	Test Parameter
1	Total Suspended Particulate Matter (TSPM)
2	Sulphur dioxide (SO <sub>2</sub> )
3	Nitrogen dioxide (NO <sub>2</sub> )
4	Carbon dioxide (CO <sub>2</sub> )
5	Carbon monoxide (CO)

Ambient Noise Monitoring	
SL.	Test Parameter
1	Day Time
2	Night Time

Stack Noise Monitoring	
Sl.	Test Parameter
1	Day Time
2	Night Time

Ambient Air Quality	
SL.	Test Parameter
1	Ph
2	Conductivity
3	Total Suspended Solids
4	Free Residual Chlorine
5	Total Alkalinity
6	Sulphide
7	Dissolved Oxygen (DO)
8	Biological Oxygen Demand (BOD)
9	Chemical Oxygen Demand (COD)
10	Oil & Grease
11	E-Coliform Count (in 100 ml)

Stack Emission Quality	
Sl.	Test Parameter
1	pH
2	Conductivity
3	Total Suspended Solids
4	Dissolved Oxygen (DO)
5	Biological Oxygen Demand (BOD)
6	Chemical Oxygen Demand (COD)
7	Oil & Grease

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## TEST PARAMETERS

Ground water (19 Parameter)	
SL.	Test Parameter
<b>PHYSICAL PARAMETER</b>	
1	Conductivity
2	Odour
3	pH Value
4	Taste
5	Turbidity, NTU
6	Total Dissolve Solids
<b>GENERA PARAMETER</b>	
7	Calcium (as Ca)
8	Chloride (as Cl)
9	Fluoride (as F)
10	Iron (as Fe)
11	Magnesium (as Mg)
12	Nitrate (as NO <sub>3</sub> )
13	Sulphate (as SO <sub>4</sub> )
14	Sulphide (as H <sub>2</sub> S)
15	Total Alkalinity (as CaCO <sub>3</sub> )
16	Total Hardness (as CaCO <sub>3</sub> )
<b>TOXIC SUBSTANCE</b>	
17	Total Arsenic (as As)
<b>BACTERIOLOGICAL TEST</b>	
18	E-Coliform Count (in 100 ml)
19	MPN Count (in 100 ml)

TEST PARAMETER OF SOIL	
SL.	Test Parameter
<b>PHYSICAL PARAMETER</b>	
1	Conductivity
2	Odour
3	pH Value
4	Taste
5	Turbidity, NTU
6	Total Dissolve Solids
<b>GENERA PARAMETER</b>	
7	Calcium (as Ca)
8	Chloride (as Cl)
9	Fluoride (as F)

Ground water (25 Parameter)	
Sl.	Test Parameter
<b>PHYSICAL PARAMETER</b>	
1	Colour
2	Conductivity
3	Odour
4	pH Value
5	Taste
6	Turbidity, NTU
7	Total Dissolve Solids
7	Oil & Grease
<b>GENERA PARAMETER</b>	
8	Calcium (as Ca)
9	Chloride (as Cl)
10	Fluoride (as F)
11	Free Residual Chlorine
12	Iron (as Fe)
13	Magnesium (as Mg)
14	Nitrate (as NO <sub>3</sub> )
15	Sulphate (as SO <sub>4</sub> )
16	Sulphide (as H <sub>2</sub> S)
17	Total Alkalinity (as CaCO <sub>3</sub> )
18	Total Hardness (as CaCO <sub>3</sub> )
19	Zinc (as Zn)
<b>TOXIC SUBSTANCE</b>	
20	Lead (as Pb)
21	Mercury (as Hg)
22	Total Arsenic (as As)
<b>BACTERIOLOGICAL TEST</b>	
23	E-Coliform Count (in 100 ml)
24	MPN Count (in 100 ml)
25	Faecal Coliform (in 100 ml)

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## OUR MAJOR CLIENTS



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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Ash Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	Chloride Content	IS 6925
3	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
4	CHEMICAL- BUILDING MATERIAL	Admixture	pH	IS 9103
5	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
6	CHEMICAL- BUILDING MATERIAL	Cement (OPC/ PPC)	Alumina (as Al <sub>2</sub> O <sub>3</sub> )	IS 4032 (Clause 4.6.1) (Gravimetric Method)
7	CHEMICAL- BUILDING MATERIAL	Cement (OPC/ PPC)	Calcium Oxide (as CaO)	IS 4032 (Clause 4.7.2) (EDTA Method)
8	CHEMICAL- BUILDING MATERIAL	Cement (OPC/ PPC)	Chloride (as Cl)	IS 4032
9	CHEMICAL- BUILDING MATERIAL	Cement (OPC/ PPC)	Insoluble Residue	IS 4032 (Clause 4.10)
10	CHEMICAL- BUILDING MATERIAL	Cement (OPC/ PPC)	Iron Oxide as (Fe <sub>2</sub> O <sub>3</sub> )	IS 4032 (Clause 4.5.2) (EDTA Method)
11	CHEMICAL- BUILDING MATERIAL	Cement (OPC/ PPC)	Loss on Ignition	IS 4032 (Clause 4.2)
12	CHEMICAL- BUILDING MATERIAL	Cement (OPC/ PPC)	Magnesia (as MgO)	IS 4032 (Clause 4.8.2) (EDTA Method)
13	CHEMICAL- BUILDING MATERIAL	Cement (OPC/ PPC)	Silica (as SiO <sub>2</sub> )	IS 4032 (Clause 4.3)
14	CHEMICAL- BUILDING MATERIAL	Cement (OPC/ PPC)	Sulphuric Anhydride (as SO <sub>3</sub> )	IS 4032 (Clause 4.9)
15	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 228 (Part 1)
16	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 228 (Part 2)
17	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	IS 228 (Part 3)
18	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 228 (Part 8)



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19	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	IS 228 (Part 9)
20	CHEMICAL- WATER	Construction Water	Chloride (as Cl)	IS 3025 (Part 32)
21	CHEMICAL- WATER	Construction Water	Inorganic Matter	IS 3025 (Part 18)
22	CHEMICAL- WATER	Construction Water	Limit of Acidity (Quantity of 0.02N NaOH required to Neutralize 100 ml of Water)	IS 3025 (Part 22)
23	CHEMICAL- WATER	Construction Water	Limit of Alkalinity (Quantity of 0.02N H <sub>2</sub> SO <sub>4</sub> required to Neutralize 100 ml of Water)	IS 3025 (Part 23)
24	CHEMICAL- WATER	Construction Water	Organic Matter	IS 3025 (Part 18)
25	CHEMICAL- WATER	Construction Water	pH	IS 3025 (Part 11)
26	CHEMICAL- WATER	Construction Water	Sulphate (as SO <sub>3</sub> )	IS 3025 (Part 24)
27	CHEMICAL- WATER	Construction Water	Suspended Matter	IS 3025 (Part 17)
28	CHEMICAL- WATER	Drinking Water	Calcium	IS 3025 (Part 40)
29	CHEMICAL- WATER	Drinking Water	Chloride	IS 3025 (Part 32)
30	CHEMICAL- WATER	Drinking Water	Magnesium	IS 3025 (Part 46)
31	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
32	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
33	CHEMICAL- WATER	Drinking Water	Total Hardness	IS 3025 (Part 21)
34	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Height)	IS 1077
35	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Length)	IS 1077
36	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks	Dimension (Width)	IS 1077
37	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Flyash Bricks	Compressive Strength	IS 3495 (Part 1)
38	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Flyash Bricks	Efflorescence	IS 3495 (Part 3)
39	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Bricks/ Flyash Bricks	Water Absorption	IS 3495 (Part 2)
40	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Compressive Strength	IS 4031 (Part 6)
41	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Consistency	IS 4031 (Part 4)



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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
42	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Density	IS 4031 (Part 11)
43	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Final Setting Time	IS 4031 (Part 5)
44	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Fineness by Blaine's Air Permeability Method	IS 4031 (Part 2)
45	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Initial Setting Time	IS 4031 (Part 5)
46	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Soundness by Autoclave Expansion Method	IS 4031 (Part 3)
47	MECHANICAL- BUILDINGS MATERIALS	Cement (OPC/ PPC)	Soundness by Le-chatelier Expansion Method	IS 4031 (Part 3)
48	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Length)	IS 1237
49	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Thickness)	IS 1237
50	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Dimension (Width)	IS 1237
51	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Thickness of Wearing Layer	IS 1237
52	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tiles	Water Absorption	IS 1237
53	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Length)	IS 13630 (Part 1)
54	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tiles	Dimension (Width)	IS 13630 (Part 1)
55	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimension (Length)	IS 13801
56	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimension (Thickness)	IS 13801
57	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Dimension (Width)	IS 13801
58	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Thickness of Wearing Layer	IS 13801
59	MECHANICAL- BUILDINGS MATERIALS	Chequered Cement Concrete Tiles	Water Absorption	IS 13801
60	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Bulk Density	IS 2386 (Part 3)



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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
61	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Crushing Value	IS 2386 (Part 4)
62	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Elongation Index	IS 2386 (Part 1)
63	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Flakiness Index	IS 2386 (Part 1)
64	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Impact Value	IS 2386 (Part 4)
65	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Los Angeles Abrasion Value	IS 2386 (Part 4)
66	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Sieve Analysis (80 mm, 63 mm, 40 mm, 20 mm, 16 mm, 12.5 mm, 10 mm, 4.75 mm, 2.36 mm)	IS 2386 (Part 1)
67	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Soundness	IS 2386 (Part 5)
68	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Specific Gravity	IS 2386 (Part 3)
69	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Ten Percent Fines Value	IS 2386 (Part 4)
70	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Total Deleterious Material	IS 2386 (Part 1 & 2)
71	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregates	Water Absorption	IS 2386 (Part 3)
72	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulk Density	IS 2386 (Part 3)
73	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Bulking of Sand	IS 2386 (Part 3)
74	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Deleterious Material	IS 2386 (Part 1 & 2)
75	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Organic Impurities	IS 2386 (Part 2)
76	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Sieve Analysis (10 mm, 4.74 mm, 2.36 mm, 1.18 mm, 0.600 mm, 0.300 mm, 0.150 mm)	IS 2386 (Part 1)
77	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Soundness	IS 2386 (Part 5)
78	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Specific Gravity	IS 2386 (Part 3)



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79	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Water Absorption	IS 2386 (Part 3)
80	MECHANICAL- BUILDINGS MATERIALS	Flyash Bricks	Dimension (Height)	IS 12894
81	MECHANICAL- BUILDINGS MATERIALS	Flyash Bricks	Dimension (Length)	IS 12894
82	MECHANICAL- BUILDINGS MATERIALS	Flyash Bricks	Dimension (Width)	IS 12894
83	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete (Beam)	Flexural Strength	IS 516 (Part 1, Section 1)
84	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete (Core)	Compressive Strength	IS 516 (Part 4)
85	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete (Cube)	Compressive Strength	IS 516 (Part 1, Section 1)
86	MECHANICAL- BUILDINGS MATERIALS	Precast Paving Block	Compressive Strength	IS 15658
87	MECHANICAL- BUILDINGS MATERIALS	Precast Paving Block	Dimension (Length)	IS 15658
88	MECHANICAL- BUILDINGS MATERIALS	Precast Paving Block	Dimension (Thickness)	IS 15658
89	MECHANICAL- BUILDINGS MATERIALS	Precast Paving Block	Dimension (Width)	IS 15658
90	MECHANICAL- BUILDINGS MATERIALS	Precast Paving Block	Water Absorption	IS 15658
91	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal (Welding Material)	Guide Bend Test	ASME Section 9
92	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Metal (Welding Material)	Transverse Tensile Test	ASME Section 9
93	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT/ Structural Steel	Bend Test (Mandrel Diameter: 18 mm, 24 mm, 30 mm, 32 mm, 36 mm, 40 mm, 42 mm, 48 mm, 50 mm, 56 mm, 60 mm, 64 mm, 70 mm, 72 mm, 80 mm, 84 mm, 96 mm, 100 mm, 112 mm, 120 mm, 125 mm, 128 mm, 140 mm, 150 mm, 160 mm, 175 mm, 192 mm, 200 mm, 224 mm, 256 mm)	IS 1599



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94	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT/ Structural Steel	Elongation	IS 1608 (Part 1)
95	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT/ Structural Steel	Mass	IS 1786
96	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT/ Structural Steel	Re-bend Test (Mandrel Diameter: 18 mm, 24 mm, 30 mm, 32 mm, 36 mm, 40 mm, 42 mm, 48 mm, 50 mm, 56 mm, 60 mm, 64 mm, 70 mm, 72 mm, 80 mm, 84 mm, 96 mm, 100 mm, 112 mm, 120 mm, 125 mm, 128 mm, 140 mm, 150 mm, 160 mm, 175 mm, 192 mm, 200 mm, 224 mm, 256 mm)	IS 1786
97	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT/ Structural Steel	Tensile Strength	IS 1608 (Part 1)
98	MECHANICAL- MECHANICAL PROPERTIES OF METALS	TMT/ Structural Steel	Yield Stress	IS 1608 (Part 1)
99	MECHANICAL- SOIL AND ROCK	Soil	CBR Value	IS 2720 (Part 16)
100	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear (Angle of Internal Friction, Phi)	IS 2720 (Part 13)
101	MECHANICAL- SOIL AND ROCK	Soil	Direct Shear Test (Cohesion Intercept C Value)	IS 2720 (Part 13)
102	MECHANICAL- SOIL AND ROCK	Soil	Free Swell Index	IS 2720 (Part 40)
103	MECHANICAL- SOIL AND ROCK	Soil	Grain Size Analysis	IS 2720 (Part 4)
104	MECHANICAL- SOIL AND ROCK	Soil	Liquid Limit	IS 2720 (Part 5)
105	MECHANICAL- SOIL AND ROCK	Soil	Moisture Content	IS 2720 (Part 2)
106	MECHANICAL- SOIL AND ROCK	Soil	Plastic Limit	IS 2720 (Part 5)
107	MECHANICAL- SOIL AND ROCK	Soil	Proctor Test (Heavy Compaction) MDD	IS 2720 (Part 8)





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ISO/IEC 17025:2017

**Certificate Number**

TC-10410

**Page No**

7 of 8

**Validity**

17/03/2022 to 16/03/2024

**Last Amended on**

-

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
108	MECHANICAL- SOIL AND ROCK	Soil	Proctor Test (Heavy Compaction) OMC	IS 2720 (Part 8)
109	MECHANICAL- SOIL AND ROCK	Soil	Proctor Test (Light Compaction) MDD	IS 2720 (Part 7)
110	MECHANICAL- SOIL AND ROCK	Soil	Proctor Test (Light Compaction) OMC	IS 2720 (Part 7)
111	MECHANICAL- SOIL AND ROCK	Soil	Specific Gravity	IS 2720 (Part 3/ Section 1)
112	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test - Cohesion Intercept C Value	IS 2720 (Part 11 & 12)
113	MECHANICAL- SOIL AND ROCK	Soil	Triaxial Test (Angle of Internal Friction) Phi	IS 2720 (Part 11 & 12)



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

UNIVERSAL TEST HOUSE, GROUND FLOOR, VIKASH PALACE, DANAPUR CUM KHAGAUL,  
PATNA, BIHAR, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-10410

**Page No**

8 of 8

**Validity**

17/03/2022 to 16/03/2024

**Last Amended on**

-

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Site Facility				
1	MECHANICAL- SOIL AND ROCK	Soil	Earth Resistivity Test	IS 3043
2	MECHANICAL- SOIL AND ROCK	Soil	Plate Load Test	IS 1888
3	MECHANICAL- SOIL AND ROCK	Soil	SPT N Value	IS 2131
4	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Bridge Load Test	IRC SP-51
5	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Pile Integrity Test	ASTM D5882
6	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Pile Integrity Test	IS 14893
7	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Pile Load Test	IS 2911 (Part 4)
8	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Rebound Hammer	IS 516 (Part 5/ Section 4)
9	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Reinforced Concrete Structures	Ultrasonic Pulse Velocity	IS 516 (Part 5/ Section 1)



# दिल्ली मेट्रो रेल कॉर्पोरेशन लि० DELHI METRO RAIL CORPORATION LTD.

(भारत सरकार एवं दिल्ली सरकार का संयुक्त उपक्रम)  
(A JOINT VENTURE OF GOVERNMENT OF INDIA AND GOVT. OF DELHI)

OFFICE OF PROJECT DIRECTOR / PATNA METRO

DMRC/Patna Metro/PC-01/116/५१००

Date: 12.12.2022

To,

**Project Manager,**

M/s NCC Ltd.

MRTC Project Office

D-22, Opp. Harilal Sweets

Colony Road, Kankarbagh

Patna - 800020

**Sub.:** Part Design and Construction of Elevated Viaduct, Viaduct connection to Depot including an elevated ramp for Depot, Stabling & Extension of Viaduct for Corridor-1 at Khemni Chak Station, Special Spans, Elevated Ramp at Malahi Pakri and Five Elevated Station viz. Malahi Pakri, Khemni Chak (Interchange Station), Bhootnath, Zeromile & New ISBT (Excluding Architectural Finishing works of stations & PEB works of stations) from Chainage 8020.000 mt. to 14127.726 mt. of Patna Railway station to New ISBT of Corridor-2 of Phase-I of Patna MRTS. **Submission of Agency Credential/Brochure of M/s UNIVERSAL TEST HOUSE.** – Reg.

**Ref.:** 1. M/s NCC's letter no. NCCL/DMRC/PMRTS/1743/2022-23 dated 03.11.2022

2. LOA No. – DMRC/20/111-700/2020 dated 18.09.2020

Dear Sir,

Vide letter under reference no. 1 above, M/s NCCL has submitted the agency credential/brochure of M/s Universal Test House for the third-party test, NDT test, plate load test, PIT, UPV test, and other tests as per the NABL scope of accreditation.

The above-submitted proposal has been reviewed in this office, and it has been observed that M/s Universal Test House is a NABL accredited laboratory for third-party testing & NDT test. The agency has experience in various infrastructure projects such as NHAI, BSRDC, BSPTCL, East Central Railway & NTPC.

The agency has NABL scope of accreditation for testing of following construction materials and NDT test as mentioned below:

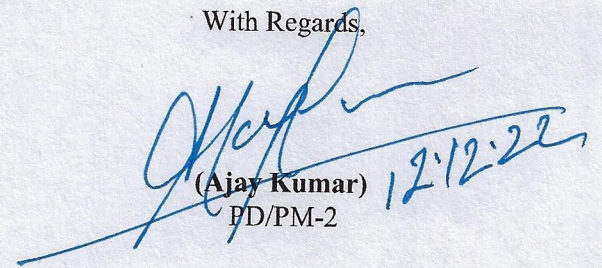
1. Physical & Chemical test for OPC/PPC cement.
2. Test of admixture as per table 2 of IS 9103.
3. Test for construction water.
4. Test for Coarse/Fine Aggregate, excluding Alkali Aggregate Reactivity Test.
5. Compressive Strength Test & Flexural Strength Test for Hardened Concrete Samples.
6. Test for soil, including Plate Load test.
7. NDT test – Pile Integrity test, Pile Load test, Rebound Hammer & Ultrasonic Pulse Velocity test.
8. Physical & Chemical test for Reinforcement/TMT Bar/Structural Steel.

In view of above, DMRC has no objection in considering M/s Universal Test House for third-party testing and NDT test as per NABL scope of accreditation subjected to the following conditions:

1. This NOC is accorded based upon the NABL accreditation and past experiences and shall be valid till 16.03.2024, which may be extended based on further extension of NABL accreditation scope and performance of the agency.
2. The testing shall only be conducted as per the scope of work accredited by NABL to M/s Universal Test House.
3. The NOC may be withdrawn at any time during the project based on the unsatisfactory performance of the agency.
4. The above NOC shall not relieve the contractor from any responsibility/liability for his errors, omission, discrepancies, etc., and compliance of the ITP shall be done without any financial implication to DMRC.

Thanking You.

With Regards,

  
(Ajay Kumar) 12/12/22  
PD/PM-2



# BIHAR STATE POWER TRANSMISSION COMPANY LIMITED

A subsidiary company of Bihar State Power (Holding) Company Ltd. Patna

CIN- U74110BR2012SGC018889

{SAVE ENERGY FOR BENEFIT OF SELF AND NATION}

Head Office, vidyutBhawan, Bailey Road, Patna-800021

Email address- [cecivilbsptcl@gmail.com](mailto:cecivilbsptcl@gmail.com)

Website- [www.bsptcl.in](http://www.bsptcl.in)

Letter No.: ..... 210 ..... Patna

Dated:- 31-05-2022

CE(C)/Trans/ 65/2014(PART-5)

From,

Anjani Kumar  
Chief Engineer (Civil),

To,

M/S Associated Power Structure Pvt. Ltd.  
905/3,G.I.D.C., Makarpura,  
Vadodara-390010,Gujarat.  
Email:-info@apspt.com

**Sub:-** Regarding approval of M/s Universal Test House patna for the work of "Construction of 220 KV D/C Amnour- Digha Transmission Line with ACSR Zebra Conductor under state plan" against NIT No.- 64/PR/BSPTCL/2018.

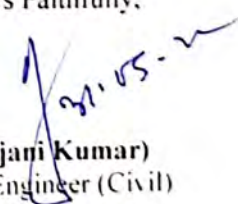
**Ref:-** APS/PAT/588, Dated:-30.05.2022

With reference to the subject mentioned above and letter cited under reference M/s universal Test House, Patna is hereby allowed for the following test.

1. Cube Test
2. Concrete Mix Design for Pile Location
3. Soil Investigation (Normal & Pile Location)
4. Pile Integrity Test

It may please be noted that this approval and issue of this letter does not absolve you from any contractual responsibility in terms of quality and correctness of material and shall be strictly in accordance with tender specifications as well as BSPTCL specification. If any abnormality is observed at later stage, BSPTCL reserves the right to withdraw the approval with retrospective effect at your risk and cost.

Yours Faithfully,

  
(Anjani Kumar)  
Chief Engineer (Civil)





Ref: SAICPL/NHAI/IE/Mirza Chauki to Farakka/NH-80/22-23/254  
Dated 18.08.2022.

To,  
The Project Manager  
M/S RKSCPL Highway Pvt. Ltd.  
702,7<sup>th</sup> floor, Panchwati Plaza,  
Kutuhery Road, Ranchi-834001

**Sub.:** Independent Engineer services for 4- laning of NH-80 Section of Mirza Chauki to Farakka from km.215.00 to km.260.00 in the State of Jharkhand (Package-I) on Hybrid Annuity Mode. –Approved as a third- party laboratory, “UNIVERSAL TEST HOUSE, Patna (Bihar)” -Reg.

Ref. RKSCPLHPL/SBG/2022-23/212

Dated 17/08/2022

Dear Sir,

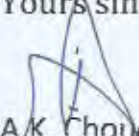
Reference to the above Credential/Profile of above cited lab which has submitted vide your letter is reviewed at this end found in order.

Therefore, the **UNIVERSAL TEST HOUSE, Patna (Bihar)** is hereby approved as a third- party laboratory for testing of materials of this project work.

This is for your kind information and further necessary action

Thanking and assuring our best services at all the times.

Yours sincerely,

  
A.K. Choudhary  
Team Leader

For SA Infrastructure Consultants Pvt. Ltd.

Encl: Credential file

CC: The Project Director, PIU, Sahibganj.

IE SA Infrastructure Consultants Pvt. Ltd. (H.Q.)

Ref: AE/ Ita-Band/NH-415/22-23/Package-B/075

Date:13.08.2022

To,  
The Project Manager,  
M/s Woodhill-Shivam (JV),  
C/o T.K. Engineering Complex  
Model Village, Naharlagun-791110  
Papum-Pare District, Arunachal Pradesh  
E-mail: [woodhillshivamjv@gmail.com](mailto:woodhillshivamjv@gmail.com).

Sub: Consultancy Services for Authority's Engineer for Supervision of "4-Laning of Itanagar to Banderdewa section of NH-415 from Km 40+430 to Km. 51+735 (Package-B) on EPC Mode in the state of Arunachal Pradesh"-Approval of Universal Tent House-Reg.

Ref. Woodhill-Shivam/MoRT&amp;H/Nh-415/Itanagar/21-22/055

dated 27.07.2022

Dear Sir,

With reference to the above cited subject matter, you have submitted the Profile & Credentials of **Universal Test House, Ground Floor, Vikas Place, Danapur cum Khagaul, near Kotak Mahindra Bank, Patna (Bihar-801105), India** for carry out all independent tests for Approval as Third Party Testing Agency.

Our office hereby Accord the Provisional Approval of **Universal Test House**.

Subject to visit Laboratory Final Approval will ber given after visit the laboratory.  
Thanking you and assuring you to render our best of services all the time.

Your's faithfully

For AECOM in JV with G-Engg.

(R) TEAM LEADER  
AECOM ASIA COMPANY LTD.  
Team Leader Banderdewa  
Itanagar  
NH-415 (for 4L) Banderdewa 4 Laning.

Copy to :

- > Authorized Signatory, AECOM, 3<sup>rd</sup> Floor, Bld 8A, DLF Cyber City, Phase-II, Gurgaon.
- > Project Coordinator, RO, Guwahati.



Ref:TL/Aur-Chor/NH-02/468/2022

Date: 09/05/2022

To,

M/s VRC Constructions (India) Private Limited  
Plot No. 16, VRC Tower  
Opp. Metro Pillar No. 190,  
Paschim Vihar Extn.,  
Rohtak Road, Delhi-110063

**Sub:**Six laning of Aurangabad to Bihar/Jharkhand Border (Chordaha) Section from km. 209.827 to km. 249.525 (PKG-II) of NH-2 in the State of Bihar under Bharatmala on EPC Mode. **Approval for NABL approved Laboratory, Universal Test House, Patna.**

Ref: 1. Letter No. VRC/BRNH2/S-C/39, Dated 07/05/2022.

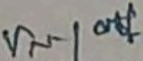
Sir,

With reference to your letter cited in ref.(1) regarding subject mentioned, you have submitted the credential and Brochures of Universal Test House an ISO certified laboratory and also impaneled as a NABL approved laboratory .

Authority engineer has examine the credential, literature, Product profile and several work order by reputed highway construction company/consultants of Universal Test House and found in order, however as a NABL approved laboratory , Universal Test House are approved as a carry out all necessary tests for above said work.

You are suggested to carry out all necessary tests as per relevant IS code and send the report to the undersigned.

Thanking You

  
Vikash Kumar  
(Bridge Engineer/ATL)

**Copy to: - 1. Project Director NHAI, PIU-Sasaram.**



ISO 9001  
FS 509811



ABMS 622505  
BS10900 2011





**SA INFRASTRUCTURE**  
CONSULTANTS PVT LTD

Corporate Office  
1101A, 11th Floor, Tower A-II, Corporate  
Plot No. 7A/1, Sector 142, Noida 201301, Uttar Pradesh, IN  
Tel. :+91-120-6148000 | Tel./Fax: +91-120-6148000  
Email : info@sainfra.com  
CIN NO. U74140DL2005PTC14  
MSME Reg. No. UP28F002

**Ref.: SAICPL-UIC-TASPL/BGP-RSP-MIZ/IE/NHAI/2022/059**

**Date: 29.04.2022**

**To,**  
Authorised Signature,  
M/s Montecarlo Munger Mirzachauki 3 Highway Private Limited,  
Maheshpur, Bhagalpur,  
Bihar - 812005

**Project:-** For Lanining of Munger to Mirzachauki (NH-80) section form start of existing Bhagalpur Bypass to Rasulpur (Design Chainage Km. 125+000 to Km. 157+350) (**Package-03**) on Hybrid Annuity Mode in the state of Bihar.

**Subject:- Approval of Third Party Test Lab-Forensics Application for Civil Consultancy & testing Universal Test House Reg.**

**Ref:-** Your Letter No MCL(P)/HW/3310/CON/2022-2023/51 dated 27-04-2022.

**Dear Sir,**

With reference to the above cited subject and letter referred hereinabove reference the concessionaire has submitted the Credential of third party test Forensics Application for Civil Consultancy & testing Universal Test House

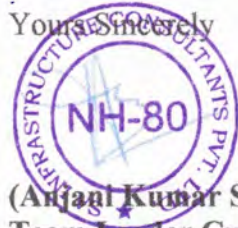
Same has been reviewed and found that Global Forensics Application for Civil Consultancy & testing Universal Test House is NABL certified and identified for Mechanical & Chemical testing for various materials.

Hence the approval is accorded for testing material within the scope of NABL certified tests and shall be within due date.

This is for your kind information and necessary compliance please.

Thanking You,

Yours Sincerely



**(Anjali Kumar Sinha)**  
**Team Leader Cum Senior Highway Engineer**  
**For, SA Infrastructure Consultants Pvt Ltd.**  
**In Joint Venture with**  
**Technocrats Advisory Services Pvt. Ltd.**  
**In association with**  
**Upham International Corporation**

**Copy to:** 1. Project Director. PIU-Munger- for your kind information.  
2. HO SAICPL, Noida - for your kind information.



**LEA Associates South Asia Pvt. Ltd.**

Ward No. 6, Nagar Parisad Sultanganj,

Sultanganj – Deoghar Road,

District - Bhagalpur, Bihar – 813213.

Email: lasamunger@gmail.com, www.lea.ca

Corporate Identification Number: U74899DL1993PTC055750

Our Ref. No. LASA/IE/AMEPL/BHAGALPUR/73825/2022/180

Date: 10<sup>th</sup> November -2022

To,

**The Authorised Representative,**  
APCO Magadh Expressway Private Limited.

Vill & PO: Amba, Block: Shahkund.

Bhagalpur, Bihar-813108

**Subject:** Independent Engineer Consultancy Services for Four Laning of Munger – Mirzachauki (NH-80) Section from Kharia village junction to start of existing Bhagalpur Bypass (Design chainage km 95+580 to km 125+000) (Package 02) on Hybrid Annuity Mode in the State of Bihar – **Reg.- Company Credentials for Third Party Material testing lab M/s Universal Test House (Patna).**

**Ref:** 1. AMEPL/SITE/PKG-02/2021-22/248 dated 21/09/2022.

Dear Sir,

With reference to letter No. (1) cited above, the credential of Material testing laboratory (NABL accredited) M/s Universal Test House, patna have been reviewed and found in order.

The laboratory is approved for material testing related to our construction, subjected to lab visit with IE representative.

This is for your kind information and necessary action please.

Yours sincerely,

for **LEA Associates South Asia Pvt. Ltd.**

  
Subodh Kumar Jha

(Team Leader cum Senior Highway Engineer)

CC to: - 1) PIU Munger for kind information.

2) Mr. Aman Kumar, Regional Director, M/s LASA Pvt. Ltd., New Delhi for kind information.

**PROJECT OFFICE ADDRESS :**

AFCONS INFRASTRUCTURE LIMITED  
BSRDC Elevated Road Project  
D-8, Sudha Home Town Apartment  
Pipra (Chatna), Parsa Bazar, Parsa  
Sampachak Road, Patna, Bihar - 804453



Ref No-AFC/LOI/Q. S/SK/07

Dt: 23.06.2022

To,  
M/s UNIVERSAL TEST HOUSE  
Ground floor, Vikash Palace,  
Danapur cum Khagaul,  
Near Kotak Mahindra Bank,  
Danapur, Patna, Bihar – 801105.

Email: care@uthlab.com  
Mob: +91 7004811631.

Sub: Letter of Award for conducting Ultrasonic Pulse Velocity Test.

Ref: Quotation dated: - 18<sup>th</sup> June 2022.

Dear Sir,

With reference to your above Quotation, we intent to place LOI on you for conducting Ultrasonic Pulse Velocity test at our Elevated /At Grade Road (Length 8.86 KM) along Eastern side of Patna – Gaya Railway Line from Mithapur to Ram Govind Singh Mahuli Halt at Patna in the state of Bihar on EPC Mode. Details mentioned below.

**BOQ**

	Description	Unit	Qty.	Rate	Amt.	Remarks
1	All charges for conducting Ultra Sonic Pulse test as per IS:516 Pt – 5 Sec -1 2018.	No's	50			
	<b>Total Amount</b>					

**Rs. Seventeen Thousand Five Hundred Only.****Terms and Conditions –**

- 1) GST Payable as Per Gov norms.
- 2) Payment: On completion of work.
- 3) Submission of report with in week.

Thanking you,  
With Regards,

For **AFCONS INFRASTRUCTURE LTD****Accepted the LOI**

  
**Sanjay Kumar**  
(Project Manager)

**M/S Universal Test House**

SAP PO: 2140003255 Dated: 18.11.2021

To,  
**M/s UNIVERSAL TEST HOUSE**  
Ground Floor, Vikash Palace, Gari Khana,  
Danapur cum Khagaul, Near Kotak Mahindra Bank,  
Patna, Bihar-801105  
Mob: 7004811631

Kind Attn: M/s UNIVERSAL TEST HOUSE

**Sub:** Work order for conducting Geotechnical Soil Investigation for Construction of 2 Lane Bridge across River Kosi along with approach road from Bheja to Bakaur section of NH-527 A (Design Chainage Km 0+000 to Km 13+300) under BRT scheme of Bharatmala Pariyojana Phase-I [S.No-3 of annexure- III (c) of SoP dated 21.12.17 of MORTH] in the State of Bihar on EPC Mode.

**Ref.:** Your offer no. UTH/QUO/2021-22/0110 dated 13.11.2021 and subsequent discussion.

Dear Sir,

With reference to your quotation and further negotiation on subject matter, we are pleased to issue this work order for Geotechnical soil investigation work as per term's and condition mentioned below.

**1. Scope of work:**

- a) Your scope includes conducting Geo-technical soil investigation as per specification, carrying out SPT test, and collection of samples from various locations-as directed by our Engineer.
- b) Conducting Laboratory tests on soil and rock (as per IS codes) samples at an NABL approved Laboratory.
- c) You shall submit the laboratory test report along with your bills as per details given in technical specification.

**2. Prices:**

- a) Unit rates are applicable as per Annexure "A" enclosed.
- b) All unit rates are firm for the entire period of the Work order.

**3. Work Completion Schedule:**

- a) You have to complete the work within the 60 days from the date of receipt of this work order and time is essence of the contract.



Work Order

Work Order No: PRA/PKG-144/AC/2022/004	Work order Date: 09.03.2022
<b>Order Received Party:</b> <b>Vendor Code:</b> 31630 <b>Vendor Name:</b> Universal Test House <b>Full Address:</b> Ground Floor, Vikash palace, Danapur Cum Khagaul, Near Kotak Mahindra Bank, Danapur, Patna, Bihar - 801105 <b>PAN/GST:</b> 10AAGFU9004Q1ZY <b>Type of Vendor:</b> Testing <b>Tel.</b> +91 7004811631, +91 7250647229 <b>Contact Person :</b> Mr. Manish Kumar <b>Email:</b> care@uthlab.com	<b>Bill To: Barbrik Project Limited</b> <b>Project office address:</b> 1 <sup>st</sup> Floor, C/o Smt. Supriya Rani, W/o Late Pintu Kumar Singh, Village-Amas, Thana Amas, Amas, Gaya, Bihar-824208 <b>State :</b> Bihar <b>Ph:</b> +91-771-4035275 <b>E-Mail:</b> <a href="mailto:info@BPLproject.Com">info@BPLproject.Com</a> <b>PAN/GST:</b> 10AADCB4662P1ZM
<b>Invoicing Party:</b> <b>Vendor Code:</b> 31630 <b>Vendor Name:</b> Universal Test House <b>Full Address:</b> Ground Floor, Vikash palace, Danapur Cum Khagaul, Near Kotak Mahindra Bank, Danapur, Patna, Bihar - 801105 <b>PAN/GST:</b> 10AAGFU9004Q1ZY <b>Type of Vendor:</b> Testing <b>Tel.</b> +91 7004811631, +91 7250647229 <b>Contact Person :</b> Mr. Manish Kumar <b>Email:</b> care@uthlab.com	<b>Ship To: Barbrik Project Limited</b> <b>Project Name :</b> Construction of Six Laning of Aurangabad to Bihar-Jharkhand Border (Chordaha), Section of NH-2 from Km. 180+000 to Km. 209+827 (Pkg-I) in the state of Bihar under Bharatmala on EPC Mode.

CONTRACT FOR: Work Order for Soil Geotechnical Investigation.

PART-A

Barbrik Project Limited (hereinafter referred to as the "Company"), "Construction of Six Laning of Aurangabad to Bihar-Jharkhand Border (Chordaha), Section of NH-2 from Km. 180+000 to Km. 209+827 (Pkg-I) in the state of Bihar under Bharatmala on EPC Mode." for the purposes of execution of works more particularly specified in the contract by the Employer.

We Barbrik Project Limited refer to the offer submitted by yourself i.e M/s Universal Test House. This contract is made and executed at Aurangabad (Bihar) between:

Barbrik Project Limited, a Company having its registered office at PRA House, Near Udyog Bhawan, Telibandha, Raipur, Chhattisgarh 492001 (hereinafter referred to as "PRA / Company / We", which expression shall mean and include unless repugnant to the context its successors and permitted assigns) of the first part;

And

M/s Universal Test House, "Ground Floor, Vikash palace, Danapur Cum Khagaul, Near Kotak Mahindra Bank, Danapur, Patna, Bihar - 801105" (hereinafter referred to as "Sub Contractor / Contractor / Vendor / You / Party / Testing Agency", of the second part) (which expression shall unless repugnant to expression or the meaning hereof deemed to mean and include, in case of proprietorship firm by its proprietor, in case of partnership firm, by its partners, in case of company by its directors and in each case by their respective legal heir, legal representatives, successor and permitted assigns)

Each hereinafter individually may be referred to as the "party" and collectively as the "parties".

**TERMS AND CONDITIONS OF CONTRACT**

Annexure-I

Priced Bill of Quantities

S. No.	Description of Work	Unit	Quantity	Rate	Amount
1	For Existing Alignment (widening): Digging of Test Pit & collecting	Nos	20.000		





CIN-U45200BR2003PTC10375

As ISO 9001:2008 &amp; 14001:2004 Company

International Cricket Stadium Contractor

**Ram Kripal Singh Construction Pvt. Ltd.**

Builders for Building the Nation



Ref.: RKSEPL/22-23/166

Date: 30/06/2022

TO  
M/S Universal Test House  
Ground floor, Vikash Palace, Danapur,  
Patna, Bihar-801105  
Email ID :- care@uthlab.com.  
Mobile No :- +91 7004811631.

Sub :- Work Order for Conducting Detailed Geotechnical Investigation for NH  
83 Package-2 .

Dear Sir,

This has reference to your quotation dated 27.06.2022 regarding offer for Conducting Detailed Geotechnical Investigation at our project for NH 83 Package 2 in the state of Bihar.

S.NO	DESCRIPTION	QUANTITY	TOTAL(Rs)
1	Mobilization & Demobilization of tools, equipment's, machineries, manpower, etc for below soil investigation scope including loading, boarding, accommodation of personal etc, complete demobilization after completion of work	Per Visit	
2	Drilling of 150 mm including SPT 0 to 45.0 meter, collection of disturbed and undisturbed samples, all relevant lab test for soil investigation work soil strata only.	RM	

### Scope of the Work:-

Drilling bore holes of 150 mm dia upto 45m or up to refusal (whichever is earlier) for all types of soil, rock using suitable approved method of boring at specified location to be given at site by engineer –in charge, including collecting undisturbed, disturbed samples of every change of strata or 3 m (whichever is earlier) and conducting SPT at every 1.5m interval with laboratory test as per relevant IS/IRC codes.

**Head Office** : 702, 7th Floor, Panchwati Plaza, Kutchery Road, Ranchi - 834001 (Jharkhand)  
Phone No. : +91-651-2207091, 2207083 • Fax No. : +91-651-2207084 • E-mail : rkscpl\_org@rediffmail.com  
**Corporate Office** : 308 & 309, 3rd Floor, Suncity Shopping Archade, Sector-54, Gurgaon - 122 002 (Haryana)  
Phone No. : +91-124-2577400, 4063811 • Fax : +91-1244063811 • Email : tender@rkscpl.com  
**Registered Office** : Shri Krishna Nagar, Deepshikha Road, Begusarai-851101 (Bihar)

Website : www.rkscpl.com



**WORK ORDER**  
=====

To,

M/s UNIVERSAL TEST HOUSE  
GROUND FLOOR VIKAS PALACE DANAPUR  
PATNA , DANAPUR  
State Name : BIHAR  
GST No. : 10AAGFU9004QIZY  
Contact Person : MANISH KUMAR  
Contact No. : 7004811361

WO NO. : SPSC/AWG-521/JUN/2022  
DATE : 23/Jun/2022  
Buyer Ord.No. : UTH/QUO/2021-22/0159  
START DATE : 23/Jun/2022  
END DATE : 23/Jun/2022

Kind Attn.: - Kind Attention :MANISH KUMAR, Contact No.:

Sub:- Work Order for Fine Aggregate Testing Work.

Dear Sir/Madam,

The following work is to be done at our worksite of : AGUWANIGHAT

Sr.	Task	Rate (in Rs.)	Unit	Qty (Approx)	Amount (Approx)	Discount	CGST	SGST / UTGST	IGST	AMT.
						Rate/Amt	Rate/Amt	Rate/Amt	Rate/Amt	
1	Testing work	450.00	NOS	1.00	450.00	0%	9%	9%	0%	531
						0	40.50	40.50	.00	
<b>Item of Work : Sieve Analysis</b>										
2	Testing work	450.00	NOS	1.00	450.00	0%	9%	9%	0%	531
						0	40.50	40.50	.00	
<b>Item of Work : Specific Gravity</b>										
3	Testing work	450.00	NOS	1.00	450.00	0%	9%	9%	0%	531
						0	40.50	40.50	.00	
<b>Item of Work : Water Absorption</b>										
4	Testing work	450.00	NOS	1.00	450.00	0%	9%	9%	0%	531
						0	40.50	40.50	.00	
<b>Item of Work : Silt Content</b>										
5	Testing work	900.00	NOS	1.00	900.00	0%	9%	9%	0%	1062
						0	81.00	81.00	.00	
<b>Item of Work : Total Deleterious Material</b>										
6	Testing work	450.00	NOS	1.00	450.00	0%	9%	9%	0%	531
						0	40.50	40.50	.00	
<b>Item of Work : Bulk Density</b>										
7	Testing work	1800.00	NOS	1.00	1800.00	0%	9%	9%	0%	2124
						0	162.00	162.00	.00	
<b>Item of Work : Soundness</b>										
									<b>Total</b>	<b>4,950.00</b>
									<b>CGST Total</b>	<b>445.50</b>
									<b>SGST/UTGST Total</b>	<b>445.50</b>
									<b>Grand Total</b>	<b>5,841.00</b>

TERMS & CONDITIONS :



MONTECARLO  
BORN TO ACHIEVE

MCL(P)/HW/3310/OTH/2022-2023/213

Date: 27-07-2022

To,  
The Director,  
Universal test house,  
Ground floor, Vikash palace, Danapur cum khagaul,  
Near kotak Mahindra bank, Danapur, Patna – 801105.

Sub.: Four Laning of Munger to Mirzachauki (NH-80) section from start of existing Bhagalpur bypass to Rasulpur (Design Chainage Km. 125+000 to Km. 157+350) (Package 03) on Hybrid Annuity mode in the state of Bihar – Reg. Third Party testing of (Aggregate, Water).

Dear Sir,

In reference to above cited subject, the samples of construction materials as mentioned in the table below are submitted to your laboratory for evaluation of the properties as per standard IS specification and MORTH 5<sup>th</sup> Revision for further tests and suitable application in above project.

S. no.	Type of material	Quantity	Remarks
1	Stone Boulder & Coarse Aggregate ( Dumka Quarry )	01	Petrography examination and Physical Chemical Test As Per IS 383:2016
2	Stone Boulder & Coarse Aggregate (Hansdiha Quarry )	01	Petrography examination and Physical Chemical Test As Per IS 383:2016
3	Stone Boulder & Coarse Aggregate (Rampur Hat quarry)	01	Petrography examination and Physical Chemical Test As Per IS 383:2016
4	Construction Water (Camp-02)(Bore-1 & Bore-02)	02	Chemical Complete test as per IS - 3025
5	Construction water (Camp-03)(Bore-01)	01	Chemical Complete test as per IS - 3025

This is for your necessary testing and submission of reports on priority please.

Thanking You,

For Montecarlo Limited

*K. Anwar*  
Authorized Signatory



CC: 1) The Project Director, PIU-Munger, NHAI, Bihar. (For Information)

2) The Team Leader, SA infrastructure Consultants Pvt. Ltd. Kahalgaon Bihar (For Information)



+91 79-26409333 / 777  
+91 79 26408444  
+91 79 71999300 / 301

mclindia.com  
mail@mclindia.com

Montecarlo Limited  
Montecarlo House :  
Sindhu Bhavan Road, Bodakdev,  
Ahmedabad – 380058, Gujarat, India.  
CIN : U40300GJ1995PLC025082



**East Central Railway**

Office of the  
Assistant Divisional Engineer (L)  
East Central Railway, Danapur  
Date:- 14.05.2022

L.No.:- W7ETender10OpenDNR21-22-1/00866720046731

**Universal Test House**

Ground floor, Vikash Palace, Danapur cum Khagaul,  
Near Kotak Mahindra Bank, Patna (Bihar) - 801105

Sub:- Regarding conduct the test of Mix Design of grade M-20, M-25 & M-30.  
Ref:- LOA. No- W7ETender10OpenDNR21-22-1/00866720046731, Dated:-17.12.2021

Kindly arrange to conduct necessary test of fine aggregates, coarse aggregate and PPC Cement in connection with Mix Design of Grade M-20, M-25 and M-30. The samples of above mentioned is send to you in sealed bags. The materials should confirm to following standard code.


1. Coarse aggregate (IS 383:1970) Max. Size 20mm = 50 Kg.
2. Sand (IS 383:1970) = 50 Kg.
3. PPC Cement, (IS 1489 Part - I) = 50 Kg.
4. Admixture (IS 9103:1999) = Sikka

It is requested to send the test result of above along with the mix design of grade M-20, M-25 & M-30 on basis of 07 days and 28 days' strength to undersigned at the earliest.

Necessary test charge will be deposited by the contractor i.e. M/s Pitamber Vensi-Jalgaon, Ashirvad, Municipal Supervisory Colony, Near T.V. Centre, Jamner Road, Bhusawal, Jalgaon - 425201. Please send the above report on following Address.


**Address:-**

ADEN/Line/DNR,  
DRM Office,  
P.O.- Khagaul  
Dist.- Patna (Bihar)  
Pin Code - 801105

  
Assistant Divisional Engineer (L)  
East Central Railway, Danapur

**Copy to: -**

- Sr. DEN/3/DNR, for kind information please.
- SSE/W/L/DNR, for information and necessary action.
- M/s Pitamber Vensi-Jalgaon, Ashirvad,  
Municipal Supervisory Colony, Near T.V. Centre,  
Jamner Road, Bhusawal, Jalgaon - 425201

  
Assistant Divisional Engineer (L)  
East Central Railway, Danapur



No. : APCO/GLEP-I/LAB/22-23/007  
Date: 01<sup>st</sup> JUNE, 2022  
M/s. UNIVERSAL TEST HOUSE  
Auth. Person: Mr. MANISH SINGH  
Ground Floor, Vikash Palace, Danapur Khag  
Patna (Bihar) 801105  
Ph. No. : +91 7004811631, 7250647229  
Mail : care@uthalab.com  
PAN No. : AAFU9004Q  
GST No. : 10AAFU9004Q1ZY

APCO INFRATECH PVT. LTD.  
GORAKHPUR LINK EXPRESSWAY  
Camp-1, Nakauri Sikari Ganj,  
Gorakhpur (U.P.) - 273213  
Ph. No. : +91 8429038492

**Sub.:- Third Party Testing of Different Materials used for Construction of Gorakhpur Link Expressway Project (Package I) From Jaitpur (Dist. Gorakhpur) to Fulwariya (Dist. Ambedkar Nağar) [Km 0+817 to Km 47+500]**

Sir,

With reference to your offer and further negotiation on the above mentioned subject we, Apco Infratech Pvt. Ltd. hereby assign you the subject work as per the following terms and conditions:

1. **DATE OF COMMENCEMENT** : Date of Issue of this Work Order or Date of actual Commencement of the work at site certified by Site In-charge.
2. **PERIOD OF COMPLETION** : 12 (Twelve) Month from the Date of Commencement.
3. **SPECIFICATION OF WORK** : The work shall be carried out as per **Appendix-'A'** General Conditions of Contract (GCC), Standards of MORTH, IRC and / or Codal specification, Drawings (Approved by UPEIDA) and instruction of the Client /EIC issued from time to time.
4. **BILL OF QUANTITIES (BOQ)** : As per **Appendix-'B'** enclosed.
5. **VALUE OF WORK** : **Actual Work done as per Enclosed Rate List**

This work order is being issued in two copies. One copy duly signed and stamped may please be returned to this office as token of your unequivocal acceptance.

Thanking you

Yours faithfully

Accepted By

For APCO INFRATECH PVT. LTD.

For M/s. UNIVERSAL TEST HOUSE

Authorized Signatory

Authorized Signatory

- Encl.: (i) **Appendix-'A'** General Conditions of Contract (GCC)  
(ii) **Appendix-'B'** Bill of Quantities (BOQ)



401, The Grand Mall, S.M. Road, Ambawadi,  
 Phone : 91-79-2630 9789, 9687617789  
 Email : [dracorp@draipl.com](mailto:dracorp@draipl.com) / [drainfra89@gmail.com](mailto:drainfra89@gmail.com)

**Ahmedabad - 380015.** Gujarat, INDIA  
 CIN : U45202GJ2003PTCO43160  
 Website : [www.draipl.com](http://www.draipl.com)

DRAIPL/HO/2022/JUIDCO/UNIVERSAL-01

Date: 16/04/2022

**WORK ORDER-**

To,

**M/s. Universal Test House.**

Ground Floor, Vikash Palace, Danapur cum Khagaul,  
 Near Kotak, Mahindra Bank, Danapur,  
 Patna (Bihar) 801105  
 Mobile : +91 7004811631  
 Email : [care@uthlab.com](mailto:care@uthlab.com)

**Kind Attn.: M/s. Universal Test House**

**Subject:** "Construction of Flyover form Yogoda SantangAshram, Bahubazar to Santinagar Kokar via Cantatoli Chowk in Ranchi, Jharkhand"- **Work Order for Geotechnical Investigation works.**

Dear Sir,

With reference to your quotation no UTH/QUO/2021-22/0131, dated 15/04/2022. We are pleased to issue this work order to carryout Geotechnical Investigation works for the above mentioned project. Scope of work with payment schedule and commercial terms and conditions are enclosed here within Annexure - I.

Charges for the above mentioned services to be provided by you is 5,60,000/- (Rs. Five Lakhs Sixty Thousands Only), excluding GST.

This work order is issued in two copies of equal status and strength; please return one copy duly signed at your end as a token of your acceptance.

Thanking You,

"Read and accepted by"

For, Dineshchandra R. Agrawal Infracon Pvt. Ltd. For, M/s. Universal Test House.

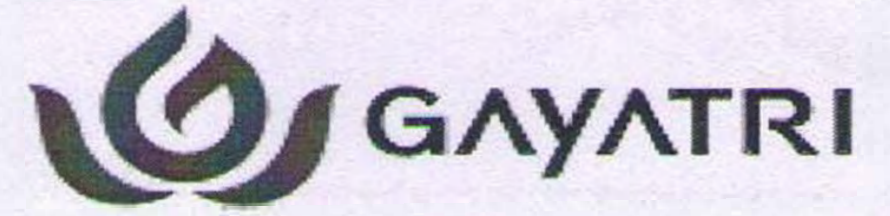


Authorized Signatory

Enclosure: Annexure - I (3 Pages)

Name: \_\_\_\_\_

Designation: \_\_\_\_\_



**WORK ORDER**

**Billing & Shifting Address:**

Gayatri Projects Ltd.,  
BRBCL/NTPC Power Plant, Khaira,  
Nabinagar, Aurangabad Dist, Bihar-824301  
GST - 10AAACG8040K3ZW

Date: 24.06.2022

Ref No. GPL/GEN/BRBCL/22-23/C-06

To

**Universal Test House**

Ground Floor, Vikash Palace,  
Danapur, Patna- 801105, Bihar  
GST - 10AAGFU9004Q1ZY  
Mobile No.7004811631, 7250647229  
contact: Manish singh

Dear Sir,

Please find our order with reference of your quote -UTH/QUO/2021-22/0173 dt 24.06.22 for for Geotechnical Investigation Work on Soil as per the terms and conditions mentioned below

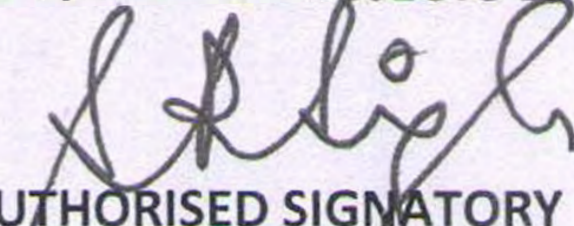
S.No.	Materials	IS Specification	Quantity	Rate (INR)
1	Mobilization & Demobilization of tools, equipment's, machineries, manpower etc. for below soil investigation scope including loading, boarding, accommodation of personal etc. complete demobilization after completion of work		L/S	
2	Drilling of 150 mm including SPT 0 to 20.0mtr, collection of disturbed & undisturbed samples, & all relevant lab tests for soil investigation work for soil strata only	According to relevant IS	3 Nos (1 No - 1800/RMT Rs1800 × 20mt)	
			Total	
			Add: GST @ 18%	
			Total	

**Terms and Conditions**

- 1) Rates are including all i.e. Loading ,Unloading ,Freight, Manpower FOR at NTPC Khaira site.
- 2 ) Income Tax TDS will be deducted as per applicable rate.

Contact person: Sanjay Kumar Singh, Mobile 7004164068, email:sanjaysingh@gayatri.co.in

For GAYATRI PROJECTS LIMITED.

  
AUTHORISED SIGNATORY



# M. G. Contractors Pvt. Ltd.

MGCPL/MOKAMA/VD-2/19

Dated: 8<sup>th</sup> July, 2022

To,

**UNIVERSAL TEST HOUSE**

Ground Floor, Vikash Palace, Danapur cum Khagaul,  
Near Kotak Mahindra Bank, Danapur,  
Patna, Bihar -801105

**Name of Project:** Construction of Rail Viaducts on Pile foundation with Composite Steel Girders and Deck slab & allied other Civil engineering works on the South end approach of Proposed Railway Bridge on River Ganga at **MOKAMA** from Hathidah – Rampur Dumra line for single track (Project Chainage 2863.166 m to 3683.816 m & 3749.310 m to 4504.760 m) and Hathidah – Tal line for Single Track (Ch. 2310.493 m to 3294.143 m & 3359.637 m to 4049.887 m ) in connection with Rampurdumra – Tal – Rajendrapul additional Bridge and doubling project in Danapur division of East Central Railway.

**Subject:** Conduct the Pile Integrity Test.

Dear Sir,

With reference to your office trailing mail on 02.07.2022 and as per discussion regarding to conduct the Pile Integrity test according to relevant IS code and specification. The test shall be conducted on test piles at Pier location of P-41 of Viaduct-2.

It is therefore requested to kindly take a necessary action for conducted the Pile Integrity Test on 08.07.2022 for said project of the Railway and provide the test result to the address given below.

To,

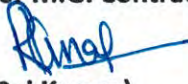
**M.G. Contractors Pvt. Ltd.**  
Village- Badpur, Behind Reliance Petrol Pump,  
P.O. – Malpur, P.S. – Maranchi, Mokama  
District- Patna Bihar – 803301  
Email- rajm@mgcpl.com

This is for your kind information and further necessary action please at earliest.

Thanking you and assuring you of our best services always.

Your Faithfully,

For M.G. Contractors Pvt. Ltd.

  
(Raj Kumar)  
Project Manager

**Copy To:** AGM (Civil), Mokama for your kind information & necessary action please.

M. G. CONTRACTORS PVT. LTD.



# VRC CONSTRUCTIONS (INDIA) PVT. LTD.

ENGINEERS & BUILDERS

(ISO 9001 : 2000 Company)

Ref. No.: -VRC/BRNH2/S-C/61

Dated: -25.05.2022

To ,

The Universal Test House (UTH), Patna.

Consultant's - M/s FP Project Management Formerly Frischman Prabhu (India) Private Limited in association with Indian Engineering Consultants India Pvt. Ltd.

Project: -Six Laning of Aurangabad to Bihar – Jharkhand Border (Chordaha) Section of NH-2 from km 209+827 to km 249+525 (PKG-II) in the State of Bihar under Bharatmala on the EPC Mode.

Subject: - Coarse Aggregate & Fine Aggregate test use for Construction purpose Km-209+827 To 249+525.

Source of Coarse Aggregate (20 mm & 10 mm)– Hunterganj Quarry.

Source of Fine Aggregate (N.Sand) – M/S, Rekha devi cluster 01, Maithani Gaya/0.00 ha

Dear Sir,

With reference to the above mentioned subject we are providing Coarse & fine Aggregate sample for the use of Construction purpose.

SR .NO.	DESCRIPTION OF MATERIAL'S	QTY. OF SAMPLE	TEST REQUIRED
1	<u>Coarse Aggregate (20 mm &amp; 10 mm)</u>	50 kgs	Sieve Analysis ,Sp.Gravity & Water absorption AIV,LAHV, FI & EI, Alkali Aggregate Reactivity test, Petrographic Examination test & Soundness test
2	<u>Fine Aggregate (N.Sand)</u>	50 kgs	Sieve Analysis ,Sp.Gravity & Water absorption, Alkali Aggregate Reactivity test, Total Sulphate content & Chloride content test.

Kindly do the required test for Coarse & Fine aggregate test as per Specification and Test results send directly to us in sealed cover /Email

Our email id- [vrch2bihar@gmail.com](mailto:vrch2bihar@gmail.com).

Thanking You

Your Sincerely,

(Authorized Signatory)

M/s VRC Construction (India) Pvt. Ltd.

Copy: M/s. FP Project Management Formerly Frischman Prabhu (India) Private Limited in association with Indian Engineering Consultants India Pvt. Ltd.

Ref. IOCL/CEL/TECH- 37  
 To,  
 Lab-In-Charge  
**Universal Test House**  
 Ground Floor, Vikash Place,  
 Danapur cum Khagaul,  
 Near Kotak Mahindra bank  
 Patna Bihar-81105

*Mr. S. Dasgupta*  
*Pr. Information to record.*  
*OB*



Date 22.06.2022

*OB*  
**Through TECHNIP RCM**

**Ref: M/s IOCL Work order no 27663535 dated 17-03-22 for composite works at M/s IOCL Barauni refinery**

**Sub: Testing of steel bar sample**

Dear Sir,

Please find test specimen for testing of Reinforcement t samples for following test as per relevant IS codes.

**REINFORCEMENT:**

**CHEMICAL-ASTM E 415:2017,IS:8811:1998IS:228(Part1,2,3&4):1987**

**MECHANICAL-IS 1786:2008,IS 1608-1:2018,IS:1786:2008,IS:1599:2012**

*Qty/No? Grade: 500D*  
*RSMB*

Type of Material-	Specimen ID	Origin
Steel bar(08mm) - 3pc x 1.0M	Corrtech/Technip/TMT/08mm 22.06.2022	Shayam Steel
Steel bar(10mm) - 3pc x 1.0M	Corrtech/Technip/TMT/10mm 22.06.2022	Shayam Steel
Steel bar(12mm) - 3pc x 1.0M	Corrtech/Technip/TMT/12mm 22.06.2022	Shayam Steel
Steel bar(16mm) - 3pc x 1.0M	Corrtech/Technip/TMT/16mm 22.06.2022	Shayam Steel
Steel bar(20mm) - 3pc x 1.0M	Corrtech/Technip/TMT/20mm 22.06.2022	Shayam Steel
Steel bar(25mm) - 3pc x 1.0M	Corrtech/Technip/TMT/25mm 22.06.2022	Shayam Steel

No. of Samples - 6

Report above may please send to us directly in sealed envelope M/s Corrtch Energy Ltd Site office Barauni Refinery. all the test charges shall be Bourne by M/s Corrtch Energy Ltd. Kindly acknowledging the receipt of the above said material on arrival of consignment.

Thanking you & assuring best of our attention at all times.  
 With Regards,

*\* 2 Nos Sample to be tested in each sample. 1 No to be kept in Lab.*  
*RSMB*



**K. K. Singh**  
 Resident Construction Manager  
 Corrtch Energy Limited

**Registered Office:**  
 Shed No. 7, Survey No. 407, SP-3,  
 New Ahmedabad Industrial Estate,  
 Sarkhej Bavla Highway, Changodar,  
 Ahmedabad - 382 213. Gujarat.  
 Phone : +91-2717-688800  
 Fax: +91-2717-688847  
 Email: info@corrtechenergy.com

**Manufacturing Unit:**  
 Shed No. 1 & 7, Survey No. 407, SP-3,  
 New Ahmedabad Industrial Estate,  
 Sarkhej Bavla Highway, Changodar,  
 Ahmedabad - 382 213. Gujarat.  
 Phone : +91-2717-688800  
 Fax: +91-2717-688847

**Repair Workshop:**  
 Plot No. 51, Mahagujrat Industrial  
 Estate, Opp. Nava Petrochemicals,  
 Sarkhej Bavla Highway, Changodar,  
 Ahmedabad-382 213. Gujarat.  
 Phone : +91-2717-688800  
 Fax: +91-2717-688847

**City Office:**  
 22, Dhara Centre, Vijay Char Rasta,  
 Navrangpura, Ahmedabad-380 009.  
 Gujarat, India.  
 Phone: +91-79-26313100  
 Fax: +91-79-26313141



## LETTER OF AWARD

Reference No.: APJL/UTH/LOA/CP/01

Date: 10.03.2022

To,

**M/s. Universal Test House**  
Ground Floor, Vikash Palace  
Garikhana, Danapur cum Khagaul,  
Khagaul, Patna, Bihar 801105

**Kind Attn. : Mr. Manish Singh**

**Subject:** Letter of Award for Providing services for Plate Load Test and Proctor Test at 2x800 MW Thermal Power Project at Godda Near Mali Gangta More Dist. Godda, Jharkhand

### References:

1. Employer's tender enquiry for Services Through Ariba dated 09.03.2022.
2. Contractor's initial offer Through Ariba dated 09.03.2022.
3. Employer's RFQ Through Ariba dated 09.03.2022 for terms & conditions.
4. Contractor's acceptance on terms & conditions Through Ariba dated 09.03. 2022.
5. Contractor's final offer Through Ariba dated 10.03. 2022.

Dear Sir,

With reference to the aforementioned subject and the correspondence exchanged till date, we, Adani Power (Jharkhand) Ltd. ("**Employer**") are pleased to issue this Letter of Award ("**LOA**") to you, M/s. Universal Test House ("**Contractor**") for your engagement in respect of the 2x800 MW Thermal Power Project at Godda Near Mali Gangta More Dist. Godda, Jharkhand for such scope of work and terms and conditions as are specified in **Annexure-I & II**.

This LOA is subject to the terms and conditions contained herein and in the tender documents, and the Contractor undertakes to perform its obligations in terms of this LOA in accordance with applicable law and the Employer's instructions. The terms of this LOA shall come into effect on the date of its execution and shall govern the understanding between the parties in respect of engagement of the Contractor for the Plant, until the earlier of: (i) expiry of Three (03) months from the date of this LOA; or (ii) execution of definitive agreement(s) between the Employer and the Contractor in respect thereof. This LOA shall stand automatically terminated upon the earlier of the expiry of said timeline hereinabove or execution of the definitive agreements.

Notwithstanding anything to the contrary, the Employer reserves the right to: (i) amend the provisions of this LOA; and/or (ii) terminate this LOA, in the event the Contractor fails to comply with the bid requirements, instructions of the Employer, or the basis on which this LOA has been issued is no longer commercially viable. The parties agree to keep all information contained in this LOA strictly confidential and shall not disclose the same to a third party, without the consent of the other party, except as may be required by the applicable law.

This LOA shall be governed by the laws of India. If any dispute arises between the parties in connection with or arising out of this LOA, the parties shall seek to resolve such dispute by referring the matter to an authorised representative of the Employer. Such representative shall provide his decisions within thirty (30) days of the referral of such dispute. Either party, if not in agreement with such representative's decision, may proceed to refer such dispute to the courts at Ahmedabad, Gujarat, India, and such courts shall have exclusive jurisdiction on all matters arising out of or relating to this LOA.

Adani Power (Jharkhand) Ltd  
"Adani Corporate House"  
Shantigram, Near Vaishno Devi Circle,  
S. G. Highway, Khodiyar,  
Ahmedabad-382421, Gujarat India  
CIN : U40100GJ2015PLC085448

Tel +91 79 2656 7555  
Fax +91 79 2555 7177  
info@adani.com  
www.adani.com

Registered Office: "Adani Corporate House", Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad-382421





Ref No.: JUSNL/STEL/132KV/308-PR/22-23/247

Date: 18.05.2022

To  
Labrotary Manager  
Universal Test House  
Ground Floor, Vikash Palace,  
Danapur Cum Khagaul, Patna,  
Bihar, INDIA.

Sub: - Testing of Compressive strength of Cube for 132/33kv Substation at Mayapur Peterwar JH.

Ref: LOA No. 14 C.E (T)/J.U.S.N.L./C.E. (Trans.)/ 1619/2017-18 Dated 1.11.2018  
LOA No. 17 G.M. C&M/ J.U.S.N.L./C.E. (Trans.)/1619/2017-18 Dated 1.11.2018

Dear Sir,

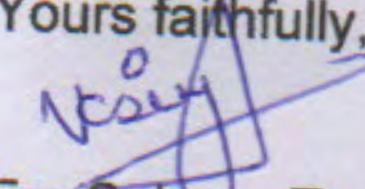
With reference to the above-mentioned subject, we are sending the following 3 No. of cubes to UTH, PATNA for 28 days compressive strength test as per below details:

S.No	Date of Casting	Cube ID.	Cube size in mm.	Concrete Grade	No. Of Set	Date of Testing
1	22-04-22	G.R.R PLINTH BEAM	150x150x150	M20	1	20-05-22
2	23-04-22	S.R PLINTH BEAM	150x150x150	M20	1	21-05-22
3	27-04-22	S.R ROOF	150x150x150	M20	1	25-05-22
4	27-04-22	GRR ROOF	150x150x150	M20	1	25-05-22
5	29-04-22	DORM. PLINTH BEAM	150x150x150	M20	1	27-05-22

Kindly Carry out the test in your laboratory. Please note that Report will be addressed to the following address.

"Deputy General Manager,  
Jharkhand Urja Sancharan Nigam Limited,  
Transmission Circle, Dhanbad, Jharkhand"

Yours faithfully,

  
For Salasar Techno Engineering Limited.

CIN No. - L23201DL2001PLC174076

Unit 1- Khasra 265, 281-283, Parsaun-Dasna, Jindal Nagar, Distt. Hapur-201313  
Unit 2- Khasra 1184, 1185, Khera, Pilkhuwa, Tehsil Dhaulana, Distt. Hapur-245304  
Unit 3- Khasra 686/6, Khera, Pilkhuwa, Tehsil Dhaulana, Distt. Hapur-245304  
Office- KL-46, Kavi Nagar, Ghaziabad-201002  
Regd Office- E-20, South Extension 1, New Delhi-110049  
www.salasartechno.com

+91 8938802180, 7351991000  
+91 120 6546670  
Fax: +91 11 45823834

towers@salasartechno.com  
marketing@salasartechno.com





# SJVN Thermal (P) Limited

(A Wholly Owned Subsidiary of

“SJVN Ltd.- A Mini Ratna & Scheduled ‘A’ PSU under Govt. of India”)

## Buxar Thermal Power Project (1320 MW)

2<sup>nd</sup> Floor, Nav Durga Complex, Collectariate Road, Ambedkar Chowk, Buxar-802103

Email- [fgabtp@gmail.com](mailto:fgabtp@gmail.com)

Ref: STPL/FQA/2023-02/1134

Dated: 04.02.2023

To,

**M/s Universal Test House**

Ground Floor, Vikash Palace,

Danapur cum khagaul, Patna, 801105

(Bihar)

**Subject: Empanelment/ Association of Material Testing Laboratory with Buxar Thermal Power Project (2 X 660 MW).**

Dear Sir,

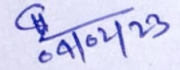
With reference to your request letter dated 19.09.2022 and laboratory visit by our officer on dated 05.11.2022, we are pleased to inform that your laboratory i.e. **M/s Universal Test House** has been empaneled/ associated for material testing for 2x660 MW Buxar Thermal Power Project.

STPL will appreciate to ensure that the tests are conducted with high degree of reliability. Financial matters shall be dealt by indenting agencies/ department.

The empanelment/ association shall remain valid up to 2 years from the date of issuance of this letter or till the validity of NABL accreditation, whichever is earlier. However, SJVN Thermal (P) Ltd. reserves the right to de-empanel your laboratory without assigning any reason and no claim whatsoever shall be entertained on this account.

Thanks & Regards.

For & on behalf of SJVN Thermal (P) Ltd.



H.K Singh  
Head (FQA)

GSTIN No. 10AAHFB1813H1Z6



# M/s BRIJENDRA KUMAR SINGH

Address:-

(Govt. Contractor & General Order Supplier)

Vill - Sarai, P.O - Mashoudha (jandaha)

P.S - Ramgarh, Distt - kaimur

(Bihar) Pin-821110

Email:- m.s.brijendrakumarsingh@gmail.com

Mob. - 9430269059  
9973170183

Ref. No. 932/BKS/2021-22

Date..15/02/2022

To

QUALITY MANAGER  
UNIVERSAL TEST HOUSE  
Ground floor, Vikash palace,  
Danapur cum khagaul, Near kotak Mahindra bank,  
Danapur, Patna(Bihar)801105  
Mobile:- 7004811631,7250647229  
Email Id: care@uthlab.com,www.uthlab.com

Sub:- Strengthening and widening of 2-lane with paved shoulder from 0.00 to 10.800 of  
NH-219 (Mohania-Bhabua) in the state of bihar 10.800km on EPC mode ( Job no.  
219-BR-2017-18/914

Reg- Major Bridge Load test at CH. 2+220,

Dear Sir,

With respected to Subject work in from to you bridge load test at Ch. 2+220  
Major bridge own him at site,

Thanks for regard

Encl.: Load data Submitt

M/s Brijendra Kumar Singh

Partner



**Texmaco Rail & Engineering Ltd.**  
( BRIGHT POWER DIVISION )

BPP/Universal/J-549/01

05-04-2022

M/s. Universal Test House  
Ground Floor, Vikash Place, Danapur Cum Khagaul,  
Near Kotak Mahindra Bank, Danapur,  
(Bihar) 801105

Kind Attention: - Mr. Manish Singh.

Dear Sir,

Sub: Work Order for Conducting soil test by SPT at various location inside & outside  
AJPL Power Plant (Godda, Jharkhand)

Ref: Your Quotation No. UTH/QUO/2021-22/0126 dated 02-04-2022

Based on your quotation & discussion had with you, we are pleased to place our work order for conducting soil test by SPT at various locations inside AJPL Power Plant as per directives of our representative and AJPL/Adani representative and as per required technical specification /drawing / guidelines/standards. The terms and condition given below:

**Schedule of work and rates are as bellows:**

<u>Sr. No.</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Rate</u>	<u>Amount</u>
1.	Drilling 100mm/150mm Dia. Bore hole for performing SPT test up to 4.5 mtr depth (including transportation & machinery & workout S.B.C & reporting etc. completed)	Per Meter	6 Bore		
2.	Mobilization and Transportation charge.	LS			
3.	Total Amount				
4.	GST@18%				
5.	<b>Grand Total</b>				

Above rate is applicable for all quantities certified by our engineer AJPL/Adani engineer/supervisor. All material required for the wok will be supplied by you. GST as per applicable will be paid extra. You have to mention our Maharashtra GST No. 27AABCT2592E2ZC in your Tax Invoice.

You will start the work immediately. Please note that you will adhere to following:

1. You will mobilize manpower trained for carrying out SPT work.
2. You will organize all material, tools tackles required to complete the work.
3. All work will carry out as per the approved method Statement and satisfaction of

Registered Office : 24, Parganas (North), Belgharia, Kolkata, West Bengal – 700 056.

Mumbai Office : 3B, 32 Corporate Avenue, Mahal Industrial Estate, Near Paper Box, Off Mahakali Caves Road, Andheri (East), Mumbai - 400 093.  
Tel. : +91 22 42333777, Fax : +91 22 42333700. Email : brightpower@brightpower.in, Website : www.brightpower.in (CIN No. L29261WB1998PLC087404)

**BRIGHT POWER DIVISION (FORMERLY KNOWN AS BRIGHT POWER PROJECTS (INDIA) PRIVATE LIMITED)**





## PLN Construction Limited

78 Institutional Area, Sector 32, Gurugram 122 001, Haryana, India  
T: +91 124 2620 123 F: +91 124 2620 111

November 01<sup>st</sup>, 2022

PLN /IGGL/ASSAM/WO/SITE/77A/22-23/REV-0

### Universal Test House

Ground Floor, Vikash Palace, Danapur cum Khagul,  
Near Kotak Mahindra Bank, Danapur, Patna.  
Bihar – 801105.  
Email: [care@uthlab.com](mailto:care@uthlab.com), [www.uthlab.com](http://www.uthlab.com)  
Contact: 7004811631, 7250647229.

Ref: Your Quotation No - UTH/QUO/2021-22/0219 Dtd. 15.10.2022.

Kind Attention: Mr. Manish Singh.

Sub.: Work Order for executing the Soil Geotechnical Investigation in various HDD river Crossing for our NEGGP (IGGL) Project, Assam.

Dear Sir,

This is with reference to the subject matter as cited above we are pleased to Place this Order on you as per the following scope and commercial terms & conditions:

### SCOPE OF WORK AND PRICE DETAILS

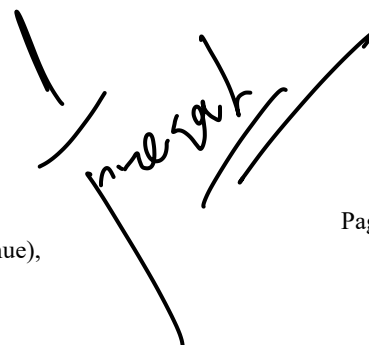
SL No	Item Description	Unit	Qty	Rate / Unit (INR)	Amount in INR
<b>1.</b>	<b>Soil Geotechnical Investigation in Damodar River (West Bengal). Approx Crossing Chainage: 385.825.</b>				
a.	Mobilization & Demobilization Charges	Nos	01		
b.	Testing Charges in soft soil: 02 Nos Borehole @ 20 Mtr. Each at Dry area and 04 Nos Borehole @ 20 Mtr. Each at Submerged area.	RM	120		
c.	Platform installation and dismantling charges for water submerged area	NOS	04		
<b>A Total Amount Without Tax</b>					
<b>2.</b>	<b>Soil Geotechnical Investigation in Mahananda River (Bihar). Approx Crossing Chainage: 816.607.</b>				
a.	Mobilization & Demobilization Charges	Nos	01		
b.	Testing Charges in soft soil: 02 Nos Borehole @ 20 Mtr. Each at Dry area and 05 Nos Borehole @ 20 Mtr. Each at Submerged area.	RM	140		
c.	Platform installation and dismantling charges for water submerged area	NOS	05		
<b>B. Total Amount Without Tax</b>					
<b>Total Amount (A+B) Without Tax</b>					

**TERMS & CONDITION:**

1. Above Given rate is only for soft soil strata. If rock / weather rock encountered, rate will increase from INR 1800.00/- to INR 3200.00/-. Hydrological data collection is also included in the above-mentioned rate.
2. The above-mentioned rate are exclusive of all taxes. 18% GST shall be paid extra.
3. Payment: Mobilization amount and 40% of testing charges shall be paid along with the order on each crossing. Another 40% of testing charges payment shall release after performing the test at each crossing. Remaining 20% shall release after submission of all reports (Including Hydrological Data).
4. Method statement for Geotechnical Investigation shall be submitted withing **2 days** (as per EIL Specification B302-000-83-41-SP-5061 Rev. B) from the date of receiving work order.
5. Testing team shall be mobilized at testing point within **One Week** from the date of receiving work order and payment.
6. All test reports Including Hydrological Data shall be submitted within **One Month** from date of Test conducted at site.
7. Hydrological Data of Each river crossing shall be submitted within **15 Days** from date of receiving work order and payment.
8. Hydrological data shall consist with the followings: The Data Shall be maximum of the records data in the last 25 years.
  - High Flood Level (H.F.L).
  - Discharge at HFL.
  - Velocity of flow at HFL.
  - Highest and Lowest Tide Levels in creek, Discharge & Velocity of flow at highest and lowest tide levels.
  - Nearest GTS Benchmark/ M.S.L
  - Other River details such as meandering, etc.
  - Scour Depth & Scour Profile.
  - Flood Data, Bank erosion rate, sedimentary load, etc.
  - Existence of any bridge or barrage or any other hydraulic structures within 10 kilometers upstream and downstream of the river crossing location.
9. The wok shall be carried out as per the EIL Specification B302-000-83-41-SP-5061 Rev. B.
10. **Billing Address shall be as follows:**  
 PLN Construction Ltd. - NRL Project.  
 C/O Asish Saha, Ground Floor, Village – Tilapatty, kharupetia, Darrang, Assam – 784115.  
 GST IN: 18AACCP9821D1ZF. State- Assam.

**SCOPE OF MATRIX**

SL No.	List of Activities	Scope In M/s PLN	Scope in M/s UTH
1	Mobilization and De-Mobilization of Drilling Rig and other equipment (Transportation).	-	Yes
2	Approval of Work Method Statement.	Yes	UTH will submit the Method Statement.
3	Accommodation, Fooding and Transportation of Labour.	-	Yes
4	Fuel, Electricity and Water for testing activity.	-	Yes
5	Labour for testing arrangement / Conduction.	-	Yes
6	PPEs for Working labour and staff.	-	Yes
7	Equipment for Rig Placing and Removing.	-	Yes
8	Conducting of Test	-	Yes
9	De-erection of Assembly	-	Yes
10	Submission of reports including Hydrological Data.	-	Yes





## PLN Construction Limited

78 Institutional Area, Sector 32, Gurugram 122 001, Haryana, India  
T: +91 124 2620 123 F: +91 124 2620 111

This WO is governed , construed and effected in accordance with Laws of India, Subcontractor shall comply with all applicable, rules and regulations for obtaining Regulatory authorities approval, licence, permits, comply Labour Law etc for the performance of this subcontract .If any dispute or differences which shall arises between parties in connection with this WO ,the same shall be resolve amicably at project site level .In case the issue cannot be resolved at site level, same shall be referred to Directors of Business heads of both companies whose decision shall be final, conclusive and binding on the parties . If the dispute still remains unsettled, then Arbitration law shall be revoked as per Arbitration act 1996. Place of arbitration shall be New Delhi.

Kindly return duly signs and stamp copy of this Work Order as token of your acceptance.

Thanks & Regards,  
For, **PLN CONSTRUCTION LTD.**

Hemant Kumar  
(Add'l Director)

CC-ACCOUNTS.



**RELIANCE INDUSTRIES LIMITED**

Reliance Majestic, 'B' Block,, 2nd Floor, 8-2-626,Road No-11  
 Banjarahills, Hyderabad-500034, TELANGANA, INDIA  
 Telephone : 040/91 -040-35144521  
 Email: Nirmal.Motaria@ril.com

**WORK CHANGE ORDER**

<b>3639514</b> <b>UNIVERSAL TEST HOUSE</b> <b>GROUND FLOOR,VIKASH PALACE,</b> <b>DANAPUR CUM KHAGAUl NEAR KOTAK</b> <b>MAHINDRA BANK</b> <b>PATNA BIHAR</b> <b>Pin Code: 801105</b>	<b>Work Order No. : 517/230116055</b> <b>Revision No. : 0001</b> <b>Date : 31.01.2022</b>  <b>GSTN Of Biller : 10AAGFU9004Q1ZY</b> <b>Bill From State : Bihar</b> <b>Bill From : 3639514</b>
---	--

Attention : MANISH KUMAR  
 Tel.No. :  
 Fax.No. :  
 E-Mail : MANISH@UTHLAB.COM

**WORK CHANGE ORDER - DO NOT DUPLICATE**

This WORK CHANGE ORDER is issued to incorporate the following change(s) to the above noted Work Order:  
 AMEND

<b>Amendment to the Total Price as a result of this Revision</b>	<b>INR</b>	<b>0.00</b>
Original/Previous Total Work Order Price :	INR	43070.00
Revised Total Work Order Price :	INR	43070.00
Revised Value in Words : Rs. Forty Three Thousand Seventy only		

**ALL OTHER REQUIREMENTS, TERMS AND CONDITIONS SHALL REMAIN SAME AS PER THE ORIGINAL WORK ORDER AND ANY PREVIOUS CHANGE ORDER REVISION(S) .**

It is important that Contractor signs and returns the Work Change Order Copy within three (3) days of receipt. No other form of Order acceptance will be accepted. Failure to return the copy does not diminish responsibilities as set forth here in but may result in a delay to any payments that may be due.

FOR **RELIANCE INDUSTRIES LIMITED**

BUYER : Prabhath

Authorised Signatory

Contractor's Acceptance :

Engineer Incharge : ANAND PATADE  
 Validity From :10.09.2021 TO 25.09.2021

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Title

\_\_\_\_\_  
 Date

**WORK ORDER**

<b>FROM</b> P&C PROJECTS PVT LTD, 140, 2 <sup>nd</sup> Floor, P&C towers, Perundurai Road, Erode, Tamil Nadu.	PO Date: 25.03.22
<b>TO</b> UNIVERSAL TEST HOUSE VIKASH PALACE, DANAPUR, PATNA, BIHAR.	
PO Number: SG/MAR/002	

**Name of the work: Geotechnical Investigation for Construction of buildings including the Central Library comprising of Basement (-4.5 m) + ground floor (+3.6m) + five floors (average 3.8 m), one 500 user capacity Yoga Center cum Meditation/Multipurpose Hall (Ground floor - with minimum 8.0 m ceiling height), and one 2000-Seater capacity Auditorium (G+1 storied - with minimum 16.0 m ceiling height) for Nalanda University Main Campus at Rajgir, District Nalanda, Bihar.**

Price schedule for Geotechnical investigation work as given below.

S.No	DESCRIPTION	Quantity	Rate/RMT	Total cost
1	Drilling of 150 mm including SPT up to 0 .0 mtr to 10.0mtr, collection of disturbed & undisturbed samples, & all relevant lab tests for soil investigation work for soil strata only.	50 Mtr		
2	Drilling of 150 mm including SPT up to 10.0 mtr to 20.0mtr, collection of disturbed & undisturbed samples, & all relevant lab tests for soil investigation work for soil strata only.	50 Mtr		
3	Drilling of 150 mm including SPT up to 20.0 mtr to 30.0mtr, collection of disturbed & undisturbed samples, & all relevant lab tests for soil investigation work for soil strata only	30 Mtr		



EPC TLT /Soil Inv./Mitap/01  
24.08.2021

**Kind Attn : UNIVERSAL TEST HOUSE**

**Subject : Work Order for carrying out Geotechnical Investigation for Soil Investigation at 132/33kV GIS at Mitapur Patna\_Bihar.**

---

With reference to your mentioned quotation no:01 dated 23.08.2021, subsequent discussions we had with you, we are pleased to place this Letter of Award (LOA) for Soil Investigation BSPTCL tender work\_ NIT-28\_132/33KV GIS Mithapur - Soil Investigation & Contour as per the following terms & conditions:

**1. Scope of Work**

You are requested to execute Soil investigation for locations (up to 10.0mtr depth). Contractor's scope of Work shall comprise of:

- A) Entire mobilization of manpower, machinery, material, safety equipment's etc.,
- B) Preparation of approach roads for works/labour hutment/site office etc.,
- C) Boring by machine/manual drilling.
- D) All other works not covered above but necessary for soil investigation.

**2. Work Schedule**

You shall start work immediately after getting this LOA and lab testing works shall be completed in all respects within 30 days.

**3. Price & Price Basis**

- A) Prices shall remain FIRM for entire duration of work including extension period, if any, and no price escalation on any account shall be permitted.

**4. General Terms and Conditions:**

**i) Workmen Compensation Policy**

Contractor shall arrange for workmen compensation policy to cover all risks of his staff and workers suitably and adequately. Contractor shall adequately cover all his permanent / temporary/ casual workers under Workmen Compensation Act and shall be solely responsible for disbursing compensation in case need arises. Contractor shall strictly follow the statutory regulations related to employment of the workers

**ii) Statutory Compliance**

Contractor shall ensure that the payments of statutory dues e.g. provident fund, ESIC and other benefits (as per relevant Contract Labour Act) are taken care of in time. The Contractor shall also ensure that all the workers are paid wages above the minimum wages as applicable in the respective State where workers are employed for the work.

**iii) Labour Demands**

It will be the Contractor's responsibility to meet all demands of workers / trade union etc. and all liabilities will be to the Contractor's account. All kind of labour related issues shall be the solely handled by the Contractor.

**iv) Labour Safety**

It shall be the Contractor's responsibility to take utmost care of the workers' safety and to provide helmets, safety belts, shoes, hand gloves etc., as applicable, to his workers to ensure their safety. Further the Contractor shall strictly observe all safety rules laid by the Client and by site-in-charge. In case of any

REGD.OFFICE:  
BEEKAY HOUSE,C-450-451,Sector-10,  
Noida-201301(U.P),INDIA.  
TEL. :+91-120-4507700,3007700  
FAX :08066885323  
Mail Id :-Info@mbi.in  
Website: www.mbi.in

**MACAWBER BEEKAY PRIVATE LIMITED**



**WORK ORDER**

Work Order No: **C-00004886**

Order Date: **01-JUL-22**

Revision No: **0**

Revision Date: **01-JUL-22**

**M/s. UNIVERSAL TEST HOUSE**

G. F., VIKASH PALACE, DANAPUR CUM,  
KHAGAUL NEAR KOTAK MAHINDRA BANK,  
801105  
PATNA, BIHAR  
BIHAR

Project Code: C-1638

Work: **WORK ORDER FOR SURVEY WORK**

Subject: **WORK ORDER FOR TOPOGRAPHICAL SURVEY WORK FOR PIPE CONVEYOR OF 1.5KMS & STOCK YARD AND SOIL TESTING AT IOCL BARAUNI**

- REF.: 1. OUR ENQUIRY SENT VIDE EMAIL DATED 20.06.22  
2. YOUR QUOTATION RECEIVED VIDE EMAIL DATED 27.06.22 & 28.06.22  
3. TELEPHONIC DISCUSSION WITH YOU ON DTD. 28.06.22

Reference: C-1638

SLNo.	Item Description	UoM	QTY	Unit Price	Total Price
<b>1 SURVEY WORK</b>					
1	Survey ( MOBILIZATION OF NECESSARY EQUIPMENT AND MAN REQUIRED FOR CARRYING OUT TOPOGRAPHIC SURVEY INCLUDING CARRYING OUT COMPLETE SURVEY IN ALL RESPECTS AS PER DRAWING, TECHNICAL SPECIFICATION AND AS PER THE DIRECTION OF ENGINEER-IN- CHARGE IN ALL TYPES OF LAND INCLUDING CONTOURING WITH ADVANCED EQUIPMENT (TOTAL STATION) AT 0.50 MTR INTERVALS AND SPOT LEVEL AT 5.0 MTR GRID, PLOTTING THE EXISTING UNDERGROUND AND OVER GROUND FACILITIES ALL COMPLETE AS PER SPECIFICATION AND SUBMISSION OF ALL SURVEY DRAWINGS, REPORTS, CONTOUR MAPS MADE IN AUTOCAD IN FOUR SETS (COLOR PRINTS). AND COPY OF ALL DRAWINGS IN PEN DRIVES (TWO SETS) AND THE FIELD BOOK. NOTE: 1.0 MEN AND EQUIPMENT REQUIRED FOR THE WORK ARE TO BE ARRANGED BY THE CONTRACTOR AT HIS COST. 2.0 THE CONTRACTOR SHALL INCLUDE THE COST TOWARDS DEMOBILIZATION OF EQUIPMENT AND MEN. 3.0. THE CONTRACTOR SHALL INCLUDE COST TOWARDS CLEARING OF BUSHES/VEGETATION/CUTTING AND REMOVING BRANCHES OF TREES, BUSHES IN HIS QUOTED RATES. :- )	ha	1.00		
2	Survey ( PROVIDING AND FIXING 150 MM X 150 MM X 1200 MM SIZE REINFORCED CONCRETE (1:1.5:3) PILLARS WITH 20MM SIZE GRADED STONE FOR GRID STATION WITH 500 MM BELOW GL AND 700 MM ABOVE GROUND (ABOVE GROUND PORTION PAINTED WITH RED COLOR) ALL COMPLETE INCLUDING ALL WORKS LIKE EXCAVATION, FIXING ETC. AS PER SPECIFICATION AND INSTRUCTIONS OF ENGINEER-IN-CHARGE. NOTE: THE QUOTED RATE SHALL	Nos	1.00		

Creator: GHANSHYAM  
1-Aug-22

Checker: SHOOR VIR SINGH  
1-Aug-22

Accounts: AVANISH KUMAR  
3-Aug-22

Director: KARAN GUPTA  
3-Aug-22