

## ABOUT US

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We work for explaining, determining, evaluating, judging, examining, inspecting, analysing, improving and controlling your requirements to deliver an improvised option in your current process, assets, infrastructure or product for sustainable growth. We are confident about our proven expertise and competency for both technical and administrative conformity for improvement in quality, standard, status, condition, and value. Global Lab is one of the leading independent testing and calibration service providers in the country for construction industry and its associates. It is our immense pleasure to share that Global Lab is recognised as a universal benchmark for its quality and integrity.

Global Lab is committed to achieve customer satisfaction by providing virtuous and trustworthy test / calibration report complying the requirement of applicable National and International Standards by:

Ensuring good professional laboratory practices.

Providing error free test report / calibration certificates.

Ensuring up gradation of Technological capabilities.

Ensuring continual improvement in the effectiveness of Management system functions & technical operations aligned to International Standard ISO/IEC: 17025 through dedicated teamwork.

The Laboratory personnel are familiarised themselves with the quality documentation and

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implement the policies and procedures in their work.

Global Lab vision is to emerge as the most reliable & competent testing and calibration laboratory partner to our customers and most admired services provider in construction and other sectors.

To be a leading Testing & Calibration Laboratories in the Global Market.

To become the customers most preferred choice by attaining excellence in quality, trustworthy and timely completed value added services.

Continually innovate, develop and adopt state-of-the-art technology in methods to enhance productivity and cost effectiveness.

Continually improve the competence of our people and make them proud to work at Global Lab.



## WHY GLOBAL LAB



We work for explaining, determining, evaluating, judging, examining, inspecting, analysing, improving and controlling your requirements to deliver an improvised option in your current process, assets, infrastructure or product for sustainable growth. Unique Operational Procedure of Global Lab! Taking inspiration from “Digital India” flagship programme of the Government of India with a vision to transform India into a digitally empowered society and knowledge economy, we at Global Lab is using state of the art SaaS based QLMS software named ‘Autovity’ across all our facilities to control, monitor and operation of our laboratories. The usages of the end to end encrypted software has helped us in several ways like saving the prestigious time, cost of our esteemed customers and overall helped us to maintain our foremost goal to keep the transparency of reporting through dedicated online customer panel. Looking forward to the mission digital India initiated by the Government, We stopped issuing hard copy of report with the help of our esteem customers to make successful mission of Digital India. Now to move the digital report, We implemented QR code system on reports to know about the authenticity of the report by scanning QR code by any code scanner device. If you have any doubt about authenticity of report, scan the QR code available on the report which will authenticate the report.

We have the facility to issue dedicated online panel for you. Where you will get your all reports, invoice, pickups & site test / calibration registration. The Online panel is accessible from anywhere at any time as per your convenience. The Online panel is the quick and reliable reporting system which will help to save the environment & a step towards Mission "Digital India" and contact less service at this pandemic situation.

## ACCREDITATIONS

### MUMBAI LAB- CALIBRATION



National Accreditation Board for  
Testing and Calibration Laboratories

### CERTIFICATE OF ACCREDITATION

## GLOBAL LAB

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

UNIT NO-31&32, SHETHIA INDUSTRIAL PARK, SURVEY NO-39, PALGHAR, MAHARASHTRA, INDIA

in the field of

**CALIBRATION**

Certificate Number: CC-2245

Issue Date: 25/09/2022

Valid Until: 24/09/2024

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

Name of Legal Identity : Global Lab

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer



## MUMBAI LAB-TESTING



National Accreditation Board for  
Testing and Calibration Laboratories

### CERTIFICATE OF ACCREDITATION

#### GLOBAL LAB

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

UNIT NO 31 & 32, SETHIA INDUSTRIAL PARK, SURVEY NO-39, SATIVALLI, VASAI-E, VASAI, THANE,  
MAHARASHTRA, INDIA

in the field of  
**TESTING**

Certificate Number: TC-5713

Issue Date: 07/10/2022

Valid Until: 06/10/2024

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 : Global Lab

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer



National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**GLOBAL LAB**

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

1073, LASHKAR HAT, WARD NO. 107, PICNIC GARDEN, KOLKATA, WEST BENGAL, INDIA

in the field of  
**TESTING**

Certificate Number: TC-8522

Issue Date: 29/05/2021

Valid Until:

28/05/2023

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 : GLOBAL LAB

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer





National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**GLOBAL LAB MATERIAL TESTING PVT. LTD.**

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

153, RJD TEXTILE PARK, ICHHAPOR, GIDC, BHATPORE, SURAT, GUJARAT, INDIA

in the field of

**TESTING**

Certificate Number: TC-10550

Issue Date: 22/04/2022

Valid Until: 21/04/2024

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 : GLOBAL LAB MATERIAL TESTING PRIVATE LIMITED

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer

## BHUBANESWAR-TESTING



National Accreditation Board for  
Testing and Calibration Laboratories

### CERTIFICATE OF ACCREDITATION

## **GLOBAL LAB MATERIAL TESTING PRIVATE LIMITED**

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

PLOT NO. 206, MAHADEV NAGAR, JHARPADA ROAD, JHARAPADA, BHUBANESWAR, KHORDHA,  
ODISHA, INDIA

in the field of

**TESTING**

Certificate Number: TC-11444

Issue Date: 14/03/2023

Valid Until: 13/03/2025

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

Name of Legal Identity : GLOBAL LAB MATERIAL TESTING PRIVATE LIMITED

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer



## PWD APPROVAL

मुख्य अभियंता यांचे कार्यालय  
मुंबई (सा.बां.) प्रादेशिक विभाग,  
२५, मर्झबान रोड, फोर्ट,  
मुंबई - ४०० ००९

E-mail : cemum@mahapwd.com	www.mahapwd.com	Phone : 022-22078511	Fax : 022-22074700
जा.क्र.मुअ(मुं)/का.१(३)/मुआ/ग्लोबल-चाचणी/३२०४			दिनांक १२ JUN 2013


प्रति,

अधीक्षक अभियंता,  
मुंबई सा.बां.मंडळ, मुंबई  
ठाणे सा.बां.मंडळ, ठाणे  
रायगड सा.बां.मंडळ, नवी मुंबई  
रत्नागिरी सा.बां.मंडळ, नवी मुंबई

**विषय :** Application for approval of "Global Lab" Construction material Testing Laboratory from your Esteem Organisation.

**संदर्भ :** National Accreditation Board for Testing and Calibration Laboratories India, Mumbai 92 Letter No.GL/2013/026/2013/026, Dt.7.5.2013.

उपरोक्त विषयांकित संदर्भिय पत्रान्वये (NABL) "GLOBAL LAB" यांचेकडून रसते, पूल व इमारती यांच्या कामाबाबत कराव्या लागणा-या चाचण्याचे माहिती पत्रक या कार्यालयास प्राप्त झाले आहे. त्या पत्रासोबत असलेल्या सहपत्राची छायांकित प्रत आपले माहिती व पुढील उचित कार्यवाहीसाठी सोबत पाठविण्यात येत आहे.

  
सहाय्यक मुख्य अभियंता  
मुंबई (सा.बां.) प्रादेशिक विभाग,  
रा.प.२, मुंबई

## WDFC PHASE-1 APPROVAL

**PMC-2R**  
OCG CONSORTIUM

**ORIENTAL CONSULTANTS GLOBAL CONSORTIUM**  
**OCG - OCI - NK - NKI - RITES**

Project Management Consultancy Services for Construction of Western Dedicated Freight Corridor Phase 2

Letter No.: L/OCGC/DFCC/ZMT-1/EMP-16/1807/491

Dated: 03<sup>rd</sup> July 2018

To,  
SOJITZ-L&T Consortium (WDFC Project)  
C/o Larsen & Toubro Limited,  
Vatika -Mindscape Building, Tower-A, 8<sup>th</sup> Floor,  
12/3, Delhi-Mathura Road,  
Near Sarai Khawaja Metro Station, Faridabad-121003, Haryana

**Kind Attn.: Mr. Ratnesh K. Srivastava (Contractor's Representative)**  
**SLT Consortium**

Contract Agreement – EMP-16 Package (C.A. No. 2015/HQ/EL/Ph-II/EMP-16/8/SOJITZ-L&T dated 31-03-2016)

**Subject: - (EMP-16 Package) - Issuing NONO on Proposal of Specialized Material testing agency (M/s Global Lab) for ZMT-1 section**

**Ref:** SLT Letter No. SLT16/OCGC/EMP-16/QAQC/GEN/2017/764 dated 26<sup>th</sup> October 2017

Dear Sir,

This has with reference to the above-mentioned subject and above referred letter vide which Contractor has submitted proposal for approval of below mentioned Specialized Material testing laboratory:

S.No.	Vendor Name	Scope of Accreditation	Package/Section	Location	Engineer's Remarks
1.	M/s Global Lab, Thane, Maharashtra	1. Mechanical Testing 2. Chemical Testing	EMP-16 (ZMT-1)	TSS/SSP/SP	<b>NONO</b>

Engineer has reviewed the submission in terms of clause CA Sub clause no. 8.7.6.1(2) of Clause 8.7.6 'Testing of Works', visited laboratory for checking equipment calibrations, NABL accreditation etc. and found it in order.

'Notice of No Objection' (NONO) is hereby issued in terms of Clause No-1.10.23 under Employer's Requirement Contract Agreement Part-II: General Specifications.

FIDIC Clause 5.2 is relevant in this context which specifies that any such approval or consent, or any review shall not relieve the contractor from any obligation or responsibility. Subsequently if any errors, mistakes, discrepancies are found after this NONO, the same will be rectified by the Contractor on his own cost.

Yours Sincerely,



(Sunil Kumar R. Darade)  
Dy.CRE/ZMT-1/PMC-2R  
The Engineer's Assistant  
CC:

1. Mr. Rajeev Tyagi, Chief Project Manager (South)/DFCCIL/Mumbai.
2. Mr. Sanjay Phulwaria, ACPM/Electrical/ DFCCIL(Mumbai).
3. Mr. Katsuyuki Saito, Project Director, OCG Consortium, New Delhi office.
4. Mr. Sameer Kumar Gupta, Project Director, SLT Consortium, Kharghar office.

Project Office: Proviso Complex, 1<sup>st</sup> floor, Above Get-well Chemist Store; Sector 35E, Kharghar: Navi Mumbai - 410210



## NAVI MUMBAI ETRO APPROVAL



### THE Louis Berger Group, INC.

Institution of Engineers, 4<sup>th</sup> Floor, Plot No-106, Sector-15, Belapur (East), Navi Mumbai - 400 614  
Tel No. +91(22) - 4246 7300, Fax No. +91(22) - 2757 7973, www.louisberger.com

E N G I N E E R S • P L A N N E R S • S C I E N T I S T S • E C O N O M I S T S

Ref No: LBG/NMM/CDC/1C7/QAC/20421

4<sup>th</sup> April 2014

To,  
The Superintending Engineer (TP-III)  
CIDCO of Maharashtra Ltd.  
CIDCO Bhavan, 6<sup>th</sup> Floor, South Wing  
C.B.D Belapur, Navi Mumbai - 400614  
Maharashtra, India.

**Kind Attn: Mr. V. C. Kamble**

Design & Construction of Depot cum Workshop at Taloja for Navi Mumbai Metro line – 1 under CA No. 02 / CIDCO / RP / SE (TP-III & HQ) 2011-12.

Sub: Recommendation of The Third party Testing agency M/S GLOBAL LAB for Metro Depot Project.

Ref: 1) JKCRTG letter no. JKCRTGJV/LBG/341/2014, dated 29<sup>th</sup> March 2014  
2) GC's letter no. LBG/NMM/CDC/1C2/QAC/1793, dated 12<sup>th</sup> February 2014  
3) JKIL letter no. JK/KCY/CIDCO/NMM/14/337, dated 25<sup>th</sup> January 2014

Dear Sir,

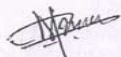
With reference to the subject and letters, the contractor submitted for the approval of M/S GLOBAL LAB as the Third Party Testing laboratory for Depot (CA-02) Contract. In this regards we have reviewed their submission w.r.t. same laboratory for the (CA-02) viaduct project vide letter ref. no (3) and our approval for the same vide letter ref. no (2).

In view of above, we recommend for acceptance of M/S. GLOBAL LAB as an Third Party Material & Laboratory testing agency to conduct the Mechanical testing and Non-Destructive testing as specified in the contract for Depot (CA-02) package.

This is for your kind information and further approval please.

Thanking you.

Yours Sincerely,  
For The Louis Berger Group Inc.

  
U. Mahapatra  
Sr. Project Manager  
Head – Metro Civil Infra

Encl: As above

CC: 1. CE (SP), CIDCO (For kind info. pls.)  
2. EE (MR-III), CIDCO  
3. M/s. J. Kumar-CRTG  
4. GC-LBG Site Office

RB

Mumbai Off. : 6<sup>th</sup> Floor, A 615 & 616 Kohinoor City, Kirod Road, off Kurta west Mumbai-400070, Tel No. +91(22) - 6198 7400,  
Fax No. +91(22) - 6198 7444.  
Regional Off. : Plot No.41, Sector 18, Near Maruti Institutional Area, Gurgaon - 122 002. Tel: +91(124) - 4044752, Fax: +91(124) - 5044750  
Head Off. : 2445 M Street, NW, Washington, DC 20037 USA, Tel.: 202-331-7775 Fax: 202-293-0787, www.louisberger.com

*Recd on 07-04-14  
Mr. Balu,  
07-04-14*

## CIDCO APPROVAL



स्वातंत्र्याचा अमृत महोत्सव



### CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

(CIN - U99999 MH 1970 SGC - 014574)

#### REGD. OFFICE:

"NIRMAL", 2nd Floor, Nariman Point,  
Mumbai - 400 021.  
PHONE : 00-91-22-6650 0900  
FAX : 00-91-22-2202 2509

#### HEAD OFFICE:

CIDCO Bhavan, CBD Belapur,  
Navi Mumbai - 400 614.  
PHONE: 00-91-22-6791 8100  
FAX : 00-91-22-6791 8166

Ref. No. CIDCO/EE (QC)/LAB/2022/570

Date: 10.10.2022

To,  
M/s. Global Lab,  
Unit No 31 & 32, Sethia Industrial Park,  
Opp. Sayali Petrol Pump, Satali,  
Vasai (E), Palghar-401208.

**Subject** : Approval to renewal of Material Testing Laboratory of M/s. Global Lab.

**Reference** : 1. Our Letter No. CIDCO/EE(QC)/LAB/2022/86 dated 07.04.2022  
2. Your Letter No. GL/CIDCO/OCT/2022 dated 06/10/2022  
3. NABL's Certificate of Accreditation No. TC-5713 dated 07/10/2022  
valid up to 06/10/2024

Dear Sir,

This is in continuation to our letter under Reference-1, and CIDCO is pleased to inform you that, your application for extension of registration as a Material Testing Laboratory viz. viz. M/s. Global Lab situated at Location-1: Unit No 31 & 32, Sethia Industrial Park, Opposite Sayali Petrol Pump, Satali, Vasai (E), Palghar-401208 and Location-2: Shop No. 29 & 30, Plot No. D1 & D2, Krishi Industrial Estate TTC Industrial Area, Turbhe, Thane. PIN:400613" is hereby approved by this office. The said Laboratory is now registered with this office with effect from 07.10.2022 to 14.04.2024 (i.e. upto validity of your registration vide our Letter under Reference-1)

You are hereby permitted to test the construction related samples pertaining to various infrastructural and building works of CIDCO as per your revised Scope vide NABL's Certificate of Accreditation under Reference-3.

During the period of registration, the following conditions will be applicable.

1. The Laboratory shall be maintained in working condition for entire period.

M/s Global Lab  
Page 1 of 3

In case of any corruption related complaints, please visit :  
[www.cidco.maharashtra.gov.in](http://www.cidco.maharashtra.gov.in) Click on Dakshata link



## WDFC PHASE-2 APPROVAL

**PMC-2R**  
OCG CONSORTIUM

**ORIENTAL CONSULTANTS GLOBAL CONSORTIUM**  
**OCG - OCI - NK - NKI-RITES**

Project Management Consultancy Services for Construction of Western Dedicated Freight Corridor Phase 2

Letter No. L/OCGC/DFCC/CMT/CTP-15B/1703/3036

Dated: 02/03/2017

**IIS-L&T Consortium**

C/o Larsen & Toubro Limited

WDFCC -15-B Project Site

Village: Sarfuddin, Diva Road, via Bharuchinaka, Taluka: Ankleshwar, Distt. Bharuch, Gujarat – 393002.

**Kind Attn.: Mr. Tushar M.Urankar, Project Manager**

**Sub:** Design and Construction of Special Steel Bridge across Narmada River involving Bridge structure, Approaches (200m length from abutments on both sides) in formation in embankments with RUB, guide bunds and protection works including testing & commissioning on Design Build lumpsum price basis for JNPT – Vadodara section of Western Dedicated Freight Corridor (Phase-2) (Special Bridge Work Contract Package – 15B); **Reg: – Company Profile and NABL Credentials of M/s Global lab for CTP 15B.**

**Ref:** Your letter no. - L/IISLT/ENGR/CTP-15B/QAQC/QSUB/0217/0552 dated 16.02.2017

Dear Sir,

With reference to above letter dated 16.02.2017, we hereby issue our 'Notice of NO Objection' (NONO) for your proposal of mechanical, chemical and NDT testing of construction material including water from M/s Global lab, Shop No. 5 & 6, Building No. 1, AG Nagar CHS, B-Wing, Mira Village, NH-08, Mira Road (E), Thane, Maharashtra, as per the scope of their accreditation.

This issues as per Clause no. 3.1 of appendix 11 of Employer's Requirements, Part 2.

FIDIC clause 5.2 is relevant in this context which specifies that any such approval or consent or any review shall not relieve the Contractor from any obligation or responsibility. Subsequently if any errors, mistakes, discrepancies are found after this NONO, the same will be rectified by the Contractor on his own cost.

Yours sincerely,

  
(Bhushan Kumar Makhija)  
Dy. Project Director  
For 'the Engineer' for Employer

CC: GGM/WDFC-II/DFCCIL, New Delhi  
CPM /DFCCIL, Vadodara  
ZMT-3

**Project Office: Dedicated Freight Corridor Corporation of India Ltd.**  
**3rd Floor, Pragati Maidan, Metro Station Building Complex, New Delhi – 110001, India**



## Airport Authority of India

भारतीय विमानपत्तन प्राधिकरण  
पश्चिमी क्षेत्र मुख्यालय



AIRPORTS AUTHORITY OF INDIA  
WESTERN REGION HQRS.

स्पीड पोस्ट By Hand

संख्या: भा.वि.प्रा /म. प्र (अभि) /प. क्षे. /267/2023/2726

दिनांक : 17.03.2023

प्रति,

M/s. GLOBAL LAB,  
31& 32, Shethia Industrial Park,  
Opp. Sayali Petrol Pump,  
Sativali Off NH No.8,  
Vasai (East), Thane 401208.

**विषय:** भारतीय विमानपत्तन प्राधिकरण मे सामग्री परीक्षण प्रयोगशालाओं का एम्पैनेलमेंट ।

**Sub:** Empanelment of Material Testing Laboratory with Airports Authority of India.

**Ref:** Please refer your letter no. Nil dated 07/11/2022

महोदय,

This is in context to your above referred letter requesting empanelment with Airports Authority of India on the basis of **NABL Certificate of Accreditation No. TC-5713**, with validity upto 06/10/2024(copy enclosed).

We are pleased to inform that your material testing laboratory has been empaneled for testing of material as specified in the annexure of Certificate No. **TC-5713** for following categories:

**Cement, Coarse & Fine Aggregate, Construction Chemical, Concrete/mortar, Stainless steel, Steel and steel alloy, Construction water, Ceramic Mosaic and stone Tiles, Integral Waterproofing Compound/Cement Base Wall Putty, Coating on Concrete, Ceramic Tile Test.**

You are requested to ensure that the tests are conducted with high degree of reliability.

The empanelment shall remain valid upto 06/10/2024 from the date of issue of this letter. However, Airports Authority of India reserves the right to de-panel your laboratory without assigning any reason and no claim whatsoever shall be entertained on this account.

(एस के पनिय्याही)

महाप्रबन्धक(अभि-सिविल)प.क्षे. मुंबई

Encl.: As above

Distribution :As per Annexure

क्षेत्रीय कार्यपालक निदेशक का कार्यालय, पारसीवाडा के सामने, सहार रोड, विलेपार्ले (पूर्व), मुंबई - 400 099.

Office of The Regional Executive Director, Opp. Parsiwada, Sahar Road, Vile Parle (E), Mumbai - 400 099.

☎ 91-22-29217400

ए.टी.एस. कॉम्प्लेक्स, सहार कार्गो के पास, सुतार पखाडी रोड, सहार, मुंबई - 400 099.

ATS Complex, Near Sahar Cargo, Sutar Pakadi Road, Sahar, Mumbai - 400 099.

☎ 91-22-26819300



## MMRDA METRO LINE-2A APPROVAL



MUMBAI METRO



Ref. No.: AICA/L2B/CA-04R/OG/QAC/2018/3288

21<sup>st</sup> July 2018

Issued by: SM

A handwritten signature in black ink, appearing to be 'S. T. T.', is written over the text 'Issued by: SM'.

**M/s Simplex Infrastructures Limited**

Sangeeta Apartment,  
Juhu Building No. 7, B-C,  
Near SNTD College,  
Santacruz (West), Mumbai-400 049  
Email: C3248@simplexinfra.com

**Sub: CA No. MMRDA/2B/MMRP/CA-04R:** Part Design and Construction of Elevated Viaduct and 11 Elevated Stations from Chainage 34035.873 m to Chainage 46749.923 m of Line 2B [D.N Nagar-Mandale] of Mumbai Metro Rail Project of MMRDA – **Approval of Laboratory “M/s. Global Lab for Testing”.**

**Ref:**

1. Your letter: 021/MMRDA-Metro2B/PI/AICA/COR/Vol. I/362, Dated: 20<sup>th</sup> July' 2018
2. Our letter: AICA/L2B/CA-04R/OG/QAC/2018/2529, Dated: 25<sup>th</sup> April'2018
3. Your letter:021/MMRDA-Metro2B/PI/AICA/COR/Vol. I/211, Dated: 23<sup>th</sup> April' 2018

Dear Sir,

With reference to the above subject & letters, we have reviewed your submission of Laboratory credential & company profile of “M/s. Global Lab” and it is generally found in order, as per the enclosures.

Hence, we have no objection to engage “M/s Global Lab” (NABL approved), for conducting the various tests of Construction Materials like aggregate, sand, cement, steel, admixture, micro silica, water, soil and rock etc. as per the scope of work.

However, in accordance with GCC clause no 3.2 of Contract, any approval from the Engineers shall not relieve the contractor from responsibility, including responsibility for his errors, omissions, discrepancies and non-compliance with sub clause 5.4.

The above approval is also subject to conduct the Routine tests and continual modification as per the requirement of Contract and approved QAP.

This is for your information and necessary action.

Thanking you,

Yours faithfully,

**For Ayesa-Italferr-CEG-Ayesa India JV (AICA)**

A handwritten signature in black ink, appearing to be 'Ioannis Kentzis', is written above the name and title.  
**Ioannis Kentzis**  
**Project Director**



**Copy:** CE (Civil)/Line-2B, Metro PIU, MMRDA - For kind info. pl.

Handwritten initials 'SB/CVR/DPD' in black ink, with a signature over them.  
SB/CVR/DPD

Unit Nos. 3 and 4A, The Centrium, 3<sup>rd</sup> Floor, Phoenix Market City, L.B.S. Road, Kurla (West), Mumbai 400 070  
Phone : +91 22 42732500, Email : [info@aicagc.com](mailto:info@aicagc.com)

Page 1 of 1

## MMRC PUNE METRO APPROVAL



**GENERAL CONSULTANTS**  
**MAHARASHTRA METRO RAIL CORPORATION LTD**  
**{PUNE METRO RAIL PROJECT}**

GC/PMRP/PR3/VDU/JK3/2018/3565

Date: 28<sup>th</sup> November 2018

To,  
J Kumar Infraprojects Limited,  
16-A, Andheri Industrial Estate,  
Veera Desai Road,  
Andheri West  
MUMBAI- 400 053.

Kind attention: - Mr. Sai Prakash, Project Manager

**Subject:** Design and Construction of Elevated Viaduct of Length 7.578 Km from CH:6688.652 to CH:6817, and CH:6896 to CH:14346.0 between Civil Court and Ramwadi.

And

Construction of Elevated Viaduct on BOQ basis of Length 0.079 Km from CH:6817 to CH: 6896 Near Sangam Bridge on Corridor-2 of Pune Metro Rail Project- **Submission of company profile of M/s. Global Lab for the testing and calibration of lab equipment.**

**Reference:** 1. JKIL/PMRP/P1C-05/2018/180, dated 14/11/2018

Dear Sir,

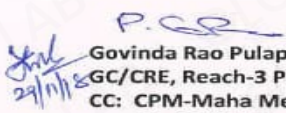
With reference to the above subject, we hereby reviewed the Request for approval of company profile of M/S Global Lab for the testing and calibration of lab equipment.

In this regard, the above-mentioned company profile is approved, the approval does not relieve the contractor from his responsibilities, for, and have control over, construction means, methods, techniques, sequences and procedure and meeting all requirement of the construction and contract documents.

We bring to your attention that M/S Bureau Veritas laboratory is first priority as per contract appendix 19, list of approved laboratories, Part-II, section-VII, work requirement & appendix (scope of work).

Also, please note that proposal can be approved subject to no additional cost to either party (Contractor and Maha Metro).

With Regards,

  
Govinda Rao Pulapa  
GC/CRE, Reach-3 Pune Metro  
CC: CPM-Maha Metro Reach-3  
: Dy.PD(Civil)

ENCL: 1. Lab visit note  
2. Scope of accreditation list for testing with certificate  
3. Scope of accreditation list for calibration with certificate

Block No. A3, FGSG, Near Civil Court,  
Next to Kamgar Putaja Vasahat,  
Shivajinagar, Pune-411005, MH | India

SYSTRA

AECOM

e egis

IRITES



## MSRDC -SAMRUDDHI HIGHWAY PAKAGE-14 APPROVAL



Authority's Engineer for  
Package 14 MUMBAI - NAGPUR Expressway

Ref: ESI-AFCONS/TL/211/2019

Date: 31.10.2019

To **AFCONS Infrastructure**  
Attn. **Mr. Sekhar Das, Project Manager**

Copy to **Maharashtra State Road Development Corporation**  
Attn. **Mr. S. K. Survase, Superintendent Engineer (Nodal)**  
**Mr. Hemant Jagtap, Executive Engineer**

Subject: **Report Review of Third Party Laboratory  
Global Lab**

Ref.: 3456/NMSCEW/TL/336/2019.ON DATED 11.09.2019.  
RFI.3456/NMSCEW/AFC/QC/1910001

Mr. Sekhar Das,

With reference to above cited subject, please find attached report Review of the Third Party Laboratory Global Lab Mumbai found in order & accordingly we have no objection to conduct the relevant third party test as per the scope mentioned in the certificate of NABL accreditation for Mechanical & chemical testing of material subject to following condition.

- 1) All testing shall be carried out in accordance with IS codes & International Standards.
- 2) Testing in third party laboratory shall be carried out & recorded in presence of Authority Engineer representatives.
- 3) Satisfactory compliance of relevant applicable quality & HSE norms for the project.

The above approval shall not relieve the contractor from any responsibility including responsibility for his error, omission, discrepancies & non-compliance.

Don't hesitate to contact with us for any doubt or clarification.

For and on behalf of  
**EPTISA Serviciosde Ingenieria S.L.**

**Pablo Angel Corrales Martinez,**  
Team Leader

## DMRC APPROVAL FOR METRO LINE-2

दूरभाष Tel.: 022 - 2844 5771  
फैक्स Fax.: 022 - 2844 5771



### दिल्ली मेट्रो रेल कॉर्पोरेशन लि.

DELHI METRO RAIL CORPORATION LTD.

(भारत सरकार एवं दिल्ली सरकार का संयुक्त उपक्रम)

(A JOINT VENTURE OF GOVERNMENT OF INDIA AND GOVT. OF DELHI)

४ मंजिल, लिंक हाऊस, न्यू लिंक रोड, चिंचोली बंदर, मालाड (पश्चिम), मुंबई - ४०० ०६४

4th Floor, Link House, New Link Road, Chincholi Bunder, Malad (West), Mumbai - 400064

DMRC/CPM-Mumbai/AC-02/1081-C/2016/2040

Date: 21.06.2018

To,  
Project Manager AC-01 & AC-02,  
J. Kumar – CRTG (JV)  
16-A, Andheri Industrial Estate,  
Veera Desai Road,  
Andheri – West,  
MUMBAI – 400 053

Sub: DMRC/MU/LINE2/AC/02: Part Design and Construction of Elevated Viaduct and 08 Elevated Stations Viz., Charkop, Malad Metro, Kasturi Park, Bangur Nagar, Goregaon Metro, Adarsh Nagar, Shastri Nagar and DN Nagar (excluding architectural finishing and pre-engineered steel roof structure) from chainage 8283.501 to 18181.343 including third track at Shastri Nagar Station and "viaduct & ramp for depot entry" of Dahisar (East) - D N Nagar Corridor of Mumbai Metro Rail Project. – Regarding approval of M/s Global Lab for third party testing.

Ref: Your letter No. JKCRGTJV/DMRC/LINE-2/AC-01/2017-18/1086 Dated 23.05.2018

Dear Sir,

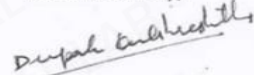
With reference to above subject it is intimated, that M/s Global Lab is approved by competent authority for Third Party Testing of material for which they have NABL accreditation.

The above approval shall not relieve the contractor from any responsibility including responsibility for his errors, omissions, discrepancies and non compliance as per contract.

This Approval is also applicable to AC-01 Contract.

Thanking you,

Yours faithfully,

  
(Deepak Kulshreshtha)  
Project Manager

Copy to:

1. CPM/Mumbai for kind information please.
2. PM/Mumbai/01
3. AEN/11 & 12

मुख्य कार्यालय : (मेट्रो भवन, फायर ब्रिगेड लेन, चाराखम्बा रोड, नई दिल्ली - 110001)  
Head Office : Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi - 110001



## MSRDC APPROVAL



LION ENGINEERING CONSULTANTS PVT. LTD.  
Lion Tower, Plot No. 97, Elegant State, Near Mother  
Teresa School, Kolar Road, Bhopal – 462042 (M.P.)  
Ph: 0755 2879499/3243234/3246437/3242728  
email: corporate@liongroup.in

in JV with



TECHNOGEM CONSULTANTS PVT. LTD.  
Office 803, 8th floor, B-wing Lodha Supremus II,  
Near New Passport Office, Road no. 22,  
Wagle Estate, Thane – 400 604  
Ph.: 022-49749899 / 49747799  
email: technogem@rediffmail.com

LEC/IE/Vad-Tha/NH-848/2022/924

Date: 01.10.2022

To,  
The Project Director (Nodal),  
MSRDC Infrastructure Projects Limited,  
Opp. Bandra Reclamation Bus Depot, Near  
Lilawati Hospital, KC Marg, Bandra (W),  
Mumbai-400050  
Email: msrdcipl@gmail.com

**Sub:** Construction of 6/8 laning of existing 4 lane Vadape to Thane from Km 539.202 to Km 563.000 section of NH-3 (new NH-848) under Bharatmala Pariyojna in the State of Maharashtra to be executed on Hybrid Annuity Mode – **Extension of M/s. Global Lab as a Third-Party Testing Laboratory - Reg.**

**Ref:** i. Your Letter No. MSRDC/MIPL/VTR/2022/1139, Dated. 24.09.2022.  
ii. Our Letter No. LEC/IE/Vad-Tha/NH-848/2022/687, Dated. 17.05.2022.  
iii. Your Letter No. MSRDC/MIPL/VTR/2022/784, Dated. 05.05.2022.  
iv. Our Letter No. LEC/IE/Vad-Tha/NH-848/2021/483-A, Dated. 28.12.2021.  
v. Your Letter No. MSRDC/MIPL/VTR/2021/387-A, Dated. 28.12.2021.  
vi. Our Letter No. LEC/IE/Vad-Tha/NH-848/2021/373, Dated. 13.10.2021.  
vii. Your Letter No. MSRDC/MIPL/VTR/2021/143, Dated. 09.10.2021.  
viii. Our Letter No. LEC/IE/Vad-Tha/NH-848/2021/360, Dated. 07.10.2021.  
ix. Our Letter No. LEC/IE/Vad-Tha/NH-848/2021/291, Dated. 11.08.2021.  
x. Your Letter No. MSRDC/MIPL/VTR/2021/280, Dated. 30.07.2021.

Dear Sir,

With reference to above mentioned subject, wherein the concessionaire has submitted extension letter of M/s. Global Laboratory as a third-party lab. For testing of construction material for the VTR project.

IE has reviewed extension proposal letter and following observation as under.

- a) The certificate of accreditation in the field of testing and scope of accreditation of M/s. Global lab. is valid up to 24<sup>th</sup> September 2024 and field of calibration extension letter from NABL is valid upto 24<sup>th</sup> December 2022.

The extension of validation for construction material testing of M/s. Global laboratory is approved till **28<sup>th</sup> February 2023.**

This is being forwarded for your information and record.

Thanking You,

Yours faithfully,  
For Lion Engineering Consultants Pvt. Ltd.  
(JV with Technogem & in Association with RSI),

  
(T Ravi)  
Team Leader

- Cc:** 1. The Project Director, NHAI, PIU, Thane for information please.  
2. The Authorized Signatory, Sr. CGM (Tech/BD), LEC Pvt. Ltd. HO, Bhopal for information.  
3. The Executive Director, M/s Technogem Consultants Pvt. Ltd., Thane – 400601 for information.

Project Office - Flat No. 102 & 105, First Floor, Chandrabhaga Building, Near Reliance Market, Parsik Nagar, Kharigaon, Kahwa, Thane- 400605. Phone: +91 83569 11104, email: kevadapethane@liongroup.in

## OUR SERVICES

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To ensure readings from an instrument are consistent with other instruments and to determine the accuracy of the instrument i.e. that it can be trusted for its observed/displayed measured value.

Why measurements must be Traceable ?

Traceable measurements ensure the uniformity of manufactured goods and industrial processes.

To support equity in trade as well as compliance to regulatory laws & standards.

Essential to the development of technology.

Purpose: With an eye to provide safety and fitness for use) to ensure that the products manufactured in one country will be acceptable in another on the basis of agreed to measurement standards, methods & practices)

Provides users with assurance of the confidentiality, validity and accuracy of the data provided while testing.



## **Mechanical Calibration: Dimension**



### **MECHANICAL CALIBRATION: DIMENSION**

Global Lab is one of the selected lab who has NABL accreditation for Mechanical Calibration - Dimension. Global Lab offers the Dimension Calibration services at our Vasai Lab, Mumbai, Maharashtra

#### **NABL CALIBRATION SERVICES IN DIMENSION AT OUR VASAI LAB:**

IS Test Sieves, Uniaxial Extensometer, Profile Projector  
Angle Protector, Graticules, Digital Dial Gauge-Plunger Type,  
LVDT Calibration, Digital Vernier, Cement Mould, Concrete Moulds, Proctor Mould, Marshal Mould,  
Concrete Beam Mould, Shrinkage Mould, Core cutter, Sand Pouring Cylinder, Cement Flow Table,  
Concrete Flow Table, Concrete Cylinder.  
Shrinkage Mould, Templete, Temping Rod, Micro gauge Range, Slump Cone, Vicat Apparatus  
Concrete Beam Mould

#### **NON NABL CALIBRATION SERVICES AT VASAI LAB :**

Measuring Tapes,  
Micro gauge Range >50mm-100mm

Taper Scale, Pitch Gauge, Radius Gauge, Vernier Height Gauge, Dial Indicator- Lever Type  
Feelar Gage Range up to 1mm

## Mechanical Calibration: Mass

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### MECHANICAL CALIBRATION: MASS

Global Lab is one of the selected lab who has NABL accreditation for Analytical Weighing Balance. Global Lab offers the Analytical Weighing Balance calibration services at Pan India & Abroad.

### NABL CALIBRATION SERVICES:

Analytical Weighing Balance: LC- 0.1mg, Range up to 200g

Analytical Weighing Balance: LC- 1mg, Range up to 500g

Analytical Weighing Balance: LC- 0.1g, Range up to 30kg

Analytical Weighing Balance: LC- 2.0g, Range up to 60kg

Analytical Weighing Balance: LC- 10.0g, Range up to 100kg



## Mechanical Calibration: Force



### MECHANICAL CALIBRATION: FORCE

Global Lab is one of the Calibration Lab offers NABL Calibration for Force Measuring Instruments for the range 2kN -3000kN at Pan India & Abroad.

### FORCE MEASURING INSTRUMENTS:

Uniaxial Testing Machine Like UTM, CTM, FTM, Hydraulic Jack, Hydraulic Press, Point Load Tester, Marshal Stability, CBR Machine, Triaxial & Direct Shear Test Machine in Compression Mode.

## Mechanical Calibration: Volume



### MECHANICAL CALIBRATION: VOLUME

Global Lab is one of the selected lab who does Mechanical Calibration - Volume. Global Lab offers the Volume Calibration services at our Vasai Lab, Mumbai, Maharashtra.

DLBD Cylinder

Measuring Jar

Measuring Cylinder

Measuring Flask

Burets

Pipets



## Thermal Calibration

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**THERMAL CALIBRATION:** Global Lab is one of the selected lab who does Thermal Calibration. Global Lab offers the Thermal Calibration services for the range -20-1200degee C under NABL Accreditation at our Vasai Lab, Mumbai, Maharashtra.

Hot Air Oven, Muffle Furnace, Curing Tank

Accelerated Curing Tank, Humidity Chamber

Water Bath, BOD, Envirnmental Chamber, Freezer, Incubator

## Pressure Calibration



**PRESSURE CALIBRATION:** Global Lab is one of the selected lab who has NABL accreditation for Pressure Calibration. Global Lab offers the Pressure Calibration services at our Vasai Lab, Mumbai, Maharashtra.

### NABL CALIBRATION SERVICES:

Digital / Analogue Pressure Gauge: Range 0-700bar



## Reference Bar for Ultrasonic Pulse Velocity Tester (NDT)



We are the first lab who has the calibration facility of Reference Bar for Ultrasonic Pulse Velocity Tester (NDT).

## Rebound Hammer Calibration

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Global Lab offer the facility to calibrate the Rebound hammer used to estimate the compressive strength of Concrete.



## RPM Calibration

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Global Lab has the facility to calibrate the RPM for the range 20-2000rpm of Mixers, Vibrating Machine, LAA Machine, Centrifuge Pump, Motors, viscometers, and Sieve Shaker under the scope of NABL

## Mechanical Testing



To achieve the strategy of providing trust worthy & error free Test / Calibration Report, Global Lab focused on the following key activities:

Trained, Qualified and experienced Personnel.

Up gradation of technological capabilities.

Continual improvement in the effectiveness of Management system functions & technical operations.

Global Lab provides the testing of Construction Material Testing in the following discipline:

Mechanical Testing

Chemical Testing

Non Destructive Testing



## Asphalt / Bitumen Testing/ Pmb / Crmb



### ASPHALT / BITUMEN TESTING/ PMB / CRMB

Global Lab offers the testing services for Testing of Asphalt / Bitumen / PMB/ CRMB as per National / International Standard. Global Lab have the following Testing facilities for Bitumen / Emulsion Test:

#### NON-NABL TESTING SERVICES:

Ductility Test, Elastic Recovery Test, Flush & Fire Point Test,

Specific Gravity, Penetration Ratio, Softening Point, Binder Content of Bitumen Mix, Water Content, Marshal Stability, Loss on Heating

## Soil Test



SOIL TEST: Global Lab offers the art of the precise, accurate & reliable testing service of Mechanical Test of Soil as per National / International Standard. Global Lab has the facilities to perform following test on Soil.

### NABL TESTING:

Particle size distribution as per IS 2720 (Part-4)

Dry Density by Core Cutter Method as per IS 2720 (Part-29)

Dry Density by Sand Replacement Method as per IS 2720 (Part-28)

Proctor Density as per IS 2720 (Part-7 & 8)

Liquid Limit & Plastic Limit as per IS 2720 (Part-5)

Free Swell Index as per IS 2720 (Part-40)

California Bearing Ratio (CBR) as per IS 2720 (Part-16)

Water Content as per IS 2720 Part-2

Direct Shear Strength of Soil, Angle of Internal friction & Shear displacement as per IS 2720 Part-13

Specific Gravity Test as per IS 2720 (Part-3)

Unconfined Compressive Strength

Plate Load Test

K-Value



## Metallic Material Testing



**METALLIC MATERIAL TESTING:** Global Lab offers the art of the precise, accurate & reliable testing service for Metallic Material like Reinforcement steel, Structural steel, Reinforcement Stainless steel, Prestressed wire strand, Steel Coupler, Wires & Cables as per National / International Standard.

### TESTING PRODUCT:

Reinforcement Steel Bar, Epoxy Coated Steel Bar

Steel Coupler, Structural Steel- Flat, Channels, Plate, Beams

Prestressed Wire Strand, Binding Wire, Aluminium Section, Hot Rolled Medium & High Tensile Structural Steel - Micro-alloyed steel plates, strips, shapes and sections (angles, tees, beams, channels, etc), flats, bars, Epoxy Coated Pre-Stressed Wire Strand

Multi Wire Steel Strand, Zinc and zinc alloy coated prestressing steel wires and strands, Circular Steel Tube for Structural Purpose

Steel Tube, steel Tube for Structural Purpose, Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Mild Steel & Medium Tensile Steel Bars, Steel Tube for Mechanical and General Engineering Purpose, Hot Rolled Steel Strip for Welded Tubes and Pipes, Stainless Steel Plate, Sheet and Strip

Nuts with Specified Proof Load Value- Coarse Threaded

Steel Tube for Mechanical and General Engineering Purpose

Steel Pipes for Water & Sevarage

## TESTING PARAMETERS UNDER SCOPE OF NABL:

Mass per Unit Length, 0.2% Proof Stress, Proof Load,

% age Elengation after fracture, % Elongation at Max Force,

Tensile Strength, Breaking Strength, Bend & Rebend Test

Coating Thickness, Lay Length, Continuity of Coating, Holiday Detection, Rockwell Hardness (HRB & HRC Scale), Brinell Hardness

Charpy Impact Test, Modulus of Elasticity, Flattering, Reduction in Area, Slip Test, Shear Strength



## Concrete Core Extraction & Testing



Global Lab offers the precise, accurate & reliable Concrete core testing accredited by NABL complying the requirement of IS 516 & IS 516 Part-04.

## Hardness Testing of Metals





## Chemical Test of Building Material



### CHEMICAL TEST

Global Lab is one of the selected NABL Lab who offers the precise, accurate & reliable testing services in the Chemical discipline for the Construction Material Testing:

### NABL TESTING SERVICES:

Hydraulic Cement, Fine & Coarse Aggregate, Hydraulic Cement

GGBS, Micro Silica, Gypsum Plaster, Water for Construction Purpose, Construction Admixture, Pulverized Fuel Ash / Pozzolonic Material, Reinforcement Steel Bar, Structural Steel, Prestressed Wire Strand, Metallic Material, Steel Coupler, Stainless Steel / Austenitic Steel / Ferritic Stainless Steel, Harden Concrete ect.

## Chemical Test of Metals





## Rebound Hammer Test



**REBOUND HAMMER TEST:** Global Lab offers the precise, accurate & reliable Rebound Hammer testing accredited by NABL complying the requirement of IS 13311 Part-2: 1992.

**OBJECTIVE OF TEST:** Rebound Hammer test could be used for  
Assessing the likely compressive strength of concrete with the help of suitable correlation between rebound index and compressive strength.

Assessing the uniformity of concrete

Assessing the quality of the concrete in relation to the standard requirements.

Assessing the quality of one element of concrete in relation to another.

## Proof Load Test on Bridge



**OBJECTIVE OF TEST:** The proof load testing covers the testing of superstructures, excluding arches for evaluation of their flexural capacity. Testing for shear capacity of bridge superstructure is not considered. This test is not intended to assess the ultimate load-carrying capacity of the bridge superstructure.



## Pile Static Load Test



Global Lab has the Pile Static Load Testing facility upto 2000T as per IS 2911 Part-4 under scope of NABL.



**Pile Lateral Load Test**



Global Lab has the Pile Lateral Load Testing facility upto 100T as per IS 2911 Part-4 under scope of NABL.



**Pile Pullout Test**



Global Lab has the Pile Pullout Testing facility upto 100T as per IS 2911 Part-4 under scope of NABL.



## Pile Dynamic Test



Global Lab has the Pile Dynamic Test as per ASTM D 4945 under scope of NABL.



## Pile Integrity Test



Global Lab has the Pile Integrity Test as per ASTM D 5882 under scope of NABL.

## Anchor Pull Out Test





## Advance Testing & Research



**ADVANCE TESTING AND RESEARCH:** Global lab offers In house R&D for development of different products related to construction industry and its associates with highly qualified research team. As an industry support, catering with contract research, new product development, advanced analytics and cost optimisation of existing production through innovative and sustainable ideas and vigorous research.

## Concrete Maturity Test



Global Lab has the expertise to evaluate the compressive strength of concrete using Maturity method.



## Holiday Testing



Global Lab has the facility to detect pin holes in the coating of bar and wires.

## Structural Health Monitoring

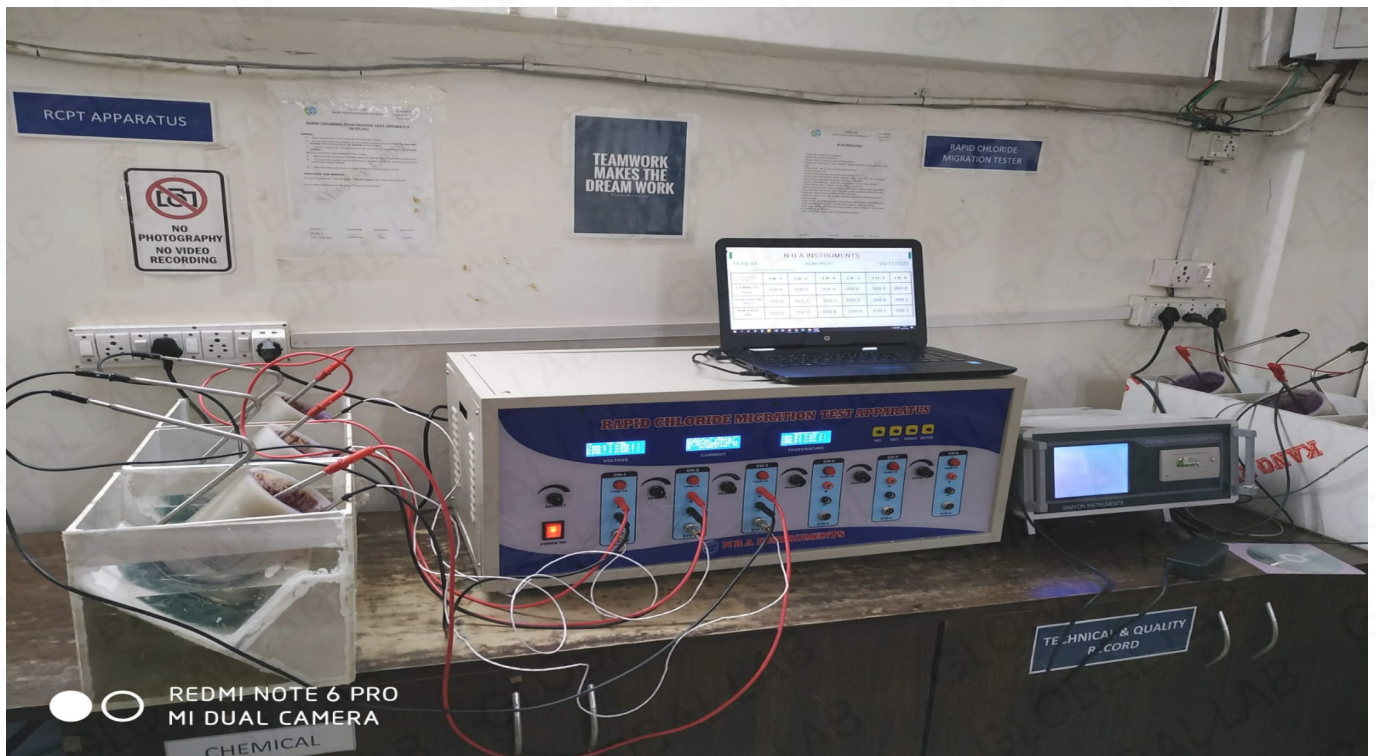


**STRUCTURAL HEALTH MONITORING:** Global Lab offers a combination of sensors, software, big data storage, and data visualisation with AI-based advanced analytics that provide meaningful insights on SHM and fire safety solutions. In SHM, our advanced solutions pay attention to various properties of structural elements, progressive health condition of the structure, and the extent of remaining useful life of the structure through real time monitoring.

**DURABILITY OF CONCRETE:** Durability of concrete may be defined as the ability of concrete to resist weathering action, chemical attack, and abrasion while maintaining its desired engineering properties.



## Rapid Chloride Migration Test of Concrete

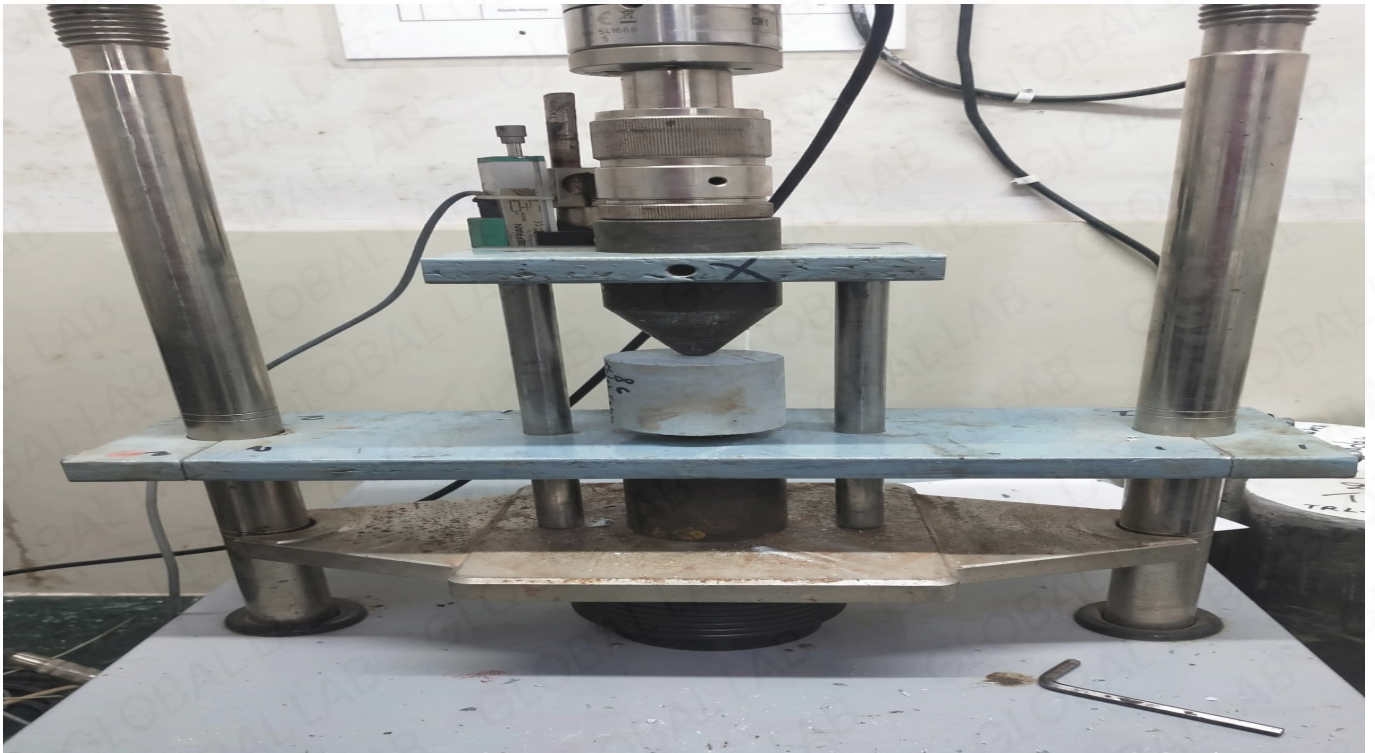


## Length Change Test of Concrete





## Point Load Test



## Uniaxial Compressive Strength Test





**K-Value Test (Modulus of Sub-grade)**





## Plate Load Test





## Elastic Recovery Test



**REBOUND HAMMER TEST:** Global Lab offers the precise, accurate & reliable Rebound Hammer testing accredited by NABL complying the requirement of IS 13311 Part-2: 1992.

**OBJECTIVE OF TEST:** Rebound Hammer test could be used for

Assessing the likely compressive strength of concrete with the help of suitable correlation between rebound index and compressive strength.

Assessing the uniformity of concrete

Assessing the quality of the concrete in relation to the standard requirements.

Assessing the quality of one element of concrete in relation to another.

**ULTRASONIC PULSE VELOCITY TEST:** Global Lab offers the precise, accurate & reliable Ultrasonic Pulse Velocity test accredited by NABL complying the requirement of IS 516 : Part 5 : Sec 1 : 2018.

**OBJECTIVE OF TEST:** Ultrasonic Pulse Velocity test could be used for

The homogeneity of the concrete.

The presence of cracks, voids and other imperfections.

Changes in the structure of the concrete which may occur with time.

The quality of concrete in relation to standard requirements.

The quality of one element of concrete in relation to another.

The values of dynamic elastic modulus of the concrete.

**HALF CELL POTENTIAL TEST:** Global Lab offers the precise, accurate & reliable the electrical half-cell potential of uncoated reinforcing steel accredited by NABL complying the requirement of ASTM C 876: 91 (Reapproved 1999)

**OBJECTIVE OF TEST:**

This test method covers the estimation of the electrical half-cell potential of uncoated reinforcing steel in field and laboratory concrete, for the purpose of determining the corrosion activity of the reinforcing steel. This test method is limited by electrical circuitry. A concrete surface that has dried to the extent that it is a dielectric and surfaces that are coated with a dielectric material will not provide an acceptable electrical circuit.

**Why half-cell Potential Test?**

Half Cell corrosion mapping is an effective method for assessing the severity of corrosion in reinforced concrete structures. This rapid, cost-effective and non-destructive survey method provides key information in corrosion evaluations.

Corrosion of steel reinforcement is a major factor in the deterioration of highway and bridge infrastructure and half-cell corrosion mapping can be used to detect corrosion, as well as being the



first step towards its rehabilitation. It can also be used as a quality assurance tool in the repair and rehabilitation of concrete structures and as a predictor of remaining service life.

**CARBONATION TEST:** Global Lab offers the precise, accurate & reliable Carbonation test Accredited by NABL complying the requirement of EN 14630: 2006.

#### OBJECTIVE OF TEST:

The phenolphthalein test method is intended to measure the depth of the carbonated layer near the surface of hardened concrete. It is not suitable for concrete made with calcium aluminate cement. It may be used on site or in the laboratory, on test specimens or on cores or fragments removed from hardened concrete structures.

#### What is Carbonation?

Carbonation occurs in Concrete because the calcium bearing phases present are attacked by carbon dioxide of the air and converted to calcium carbonate. Cement paste contains 25-50 % calcium hydroxide  $\text{Ca}(\text{OH})_2$ , which mean that the pH of the fresh cement paste is at least 12.5.

**PILE INTEGRITY TEST :** Global Lab is one of the selected laboratory for the Pile Integrity Test Accredited by NABL of Concrete, steel & wooden Piles complying the requirement of ASTM D 5882.

**OBJECTIVE OF TEST:** The Pile Integrity Testing gives peace of mind that a pile or shaft is free of major cracks and voids, prior to construction of the superstructure. It may be used on most concrete or wood foundations.

The PIT test may also be used to test piles integral in the structure, such as those supporting existing bridges or towers, and may assess their length.

Structural integrity is most often of concern for bored piles. Other than visual inspection, when possible, several different methods are used indirectly to evaluate shaft structural integrity.

One of the earliest methods is low strain integrity testing.

**PILE DYNAMIC TEST:** Global Lab offers the Pile Dynamic Test of Concrete, steel Piles by complying the requirement of ASTM D 4945: 2012.

**OBJECTIVE OF TEST:** Dynamic Load Testing is a fast, reliable, and cost-effective method of

evaluating foundations. This Test gives more information in less time as follows.

- Pile Load Bearing Capacity / Shaft resistance / Shaft resistance along with the shaft / Toe Resistances / Max Tensile Stresses & Compressive Stresses / Tensile Stresses & Compressive Stresses along with the shaft.

## WHAT TO REPORT THE TEST RESULTS?

- Pile shaft Capacity from force and velocity record
- Pile Toe resistance, Shaft Resistance & distribution of shaft resistance along the pile shaft.
- Pile Net Settlement & Max Displacement during impact.
- Max Compressive stress & Compressive stresses along the shaft length during Impact.
- Max Tensile stress & Tensile stresses along the shaft length during Impact.
- Pile Integrity Status.

**CONCRETE COVER DEPTH & BAR DIAMETER:** Global Lab offers the precise, accurate & reliable Concrete Cover depth & Bar diameter test accredited by NABL complying the requirements of BS 1881: 204.

**OBJECTIVE OF TEST:** This test may be used for estimating the position, depth and size of reinforcement buried in concrete. It also describes their methods of use and applications, the accuracy to be expected and the factors which may influence the results. Concrete Cover, in reinforced Concrete, is the least distance between the surface of embedded reinforcement and the outer surface of the concrete (ACI 130). The concrete cover depth can be measured with a cover meter.

**PILE LATERAL LOAD TEST:** Global Lab offers the Pile Lateral Load Test of Concrete, steel Piles by complying the requirement of IS 2911 PART-04: 2013.

**OBJECTIVE OF TEST:** To measure the lateral deflection of a vertical or inclined deep foundation when subjected to lateral loading.

**PULL-OUT TEST ON ANCHOR BARS AND ROCK BOLTS:** Global Lab offers the pull out test of anchor bars and rock bolts, steel piles by complying the requirement of IS 11309: 1985.

## OBJECTIVE OF TEST:

To find out bond strength between the Rebar / Rock bolt & grout concrete / rock.



To find assurance of load sustainability of the Anchor for intended use.

**LOAD TEST OF FLEXURAL MEMBER :** Global Lab offers the precise, accurate & reliable Load Testing of Flexural Member of RCC Structure by complying the requirement of IS 456: 2000.

**OBJECTIVE OF TEST:** In reinforcement concrete structure, the characteristic of their hysteresis curve, expressed by relationship between the load & response deformation, greatly differs depending on the deformation speed.

**PILE PULLOUT TEST:** Global Lab offers the precise, accurate & reliable pullout Testing of Concrete Pile complying the requirement of IS 2911 Part-4: 2013.

**OBJECTIVE OF TEST:** This test gives uplift Pile pull out load & Displacement Relation.

**SAFE LOAD:** The safe load shall be taken as the least of the following:

- 2/3. of the load at which the total displacement is 12 mm or the load corresponding to a specified permissible uplift.
- Half of the load at which the load-displacement curve shows a clear break (downward trend).

**PULL OFF ADHESION TEST:** Global Lab offers the precise, accurate & reliable pull off adhesion Testing complying the requirement of ASTM D 7234 under scope of NABL.

## Pull off Adhesion Test





## TESTIMONIALS

### Testimonial



ISO 9001:2008 Company

## SHENISHA CORPORATION

Specialised in GRC / GRG / GRP / Ferro Concrete & Stone Work



### Appreciation letter

SHENISHA CORPORATION would like to appreciate Global Lab – Mumbai for their Contribution and support extended during construction of our Project NCP- Wadala of Capacity Projects Pvt Ltd. for year 2017-18.

Services rendered by Global lab during construction phase help us for selection of various building materials.

Quality of service provided by Global lab has meet our expectation. We anticipate same Service & response during our future requirements

Wishing your organization success in future.

Regards,

Shenisha Corporation

Authorised Signatory



Regd. Office : 204, Shagun, Rani Sati Marg, Near Malad Railway Station, Malad (East), Mumbai 400 097.  
Telephone : +91 22 32464027 / +91 22 28776057 • Telefax : +91 22 28766765  
Email : shenishacorporation@hotmail.com • Website : www.shenisha.com



## Testimonial



**JMC Projects (India) Limited**  
ENGINEERS & CONSTRUCTORS  
(A Kalpataru Group Enterprise)  
Corporate Office : 6th Floor, Kalpataru Synergy, Opp. Grand Hyatt, Santacruz (East), Mumbai - 400055  
Phone : +91-22-3005 1500 • Fax : +91-22-3005 1555 • www.jmcprojects.com



Date : - 23<sup>rd</sup> Nov'2017

To whom it may concern  
Appreciation letter

**JMC Projects (India) Ltd.** would like to appreciate **Global Lab – Mumbai** for their Contribution and support extended during construction of our Project **Adhiraj Township Talaja Project, Kharghar Site** year FY-2016-17 and FY-2017-18.

Services rendered by **Global lab** during construction phase help us for selection of various building materials through testing and its satisfactory delivery of services along with reports.

Quality of service provided by **Global lab** has meet our expectation. We anticipate same Service & response during our future requirements and prompt support.

Wishing your organization success in future.

Regards,

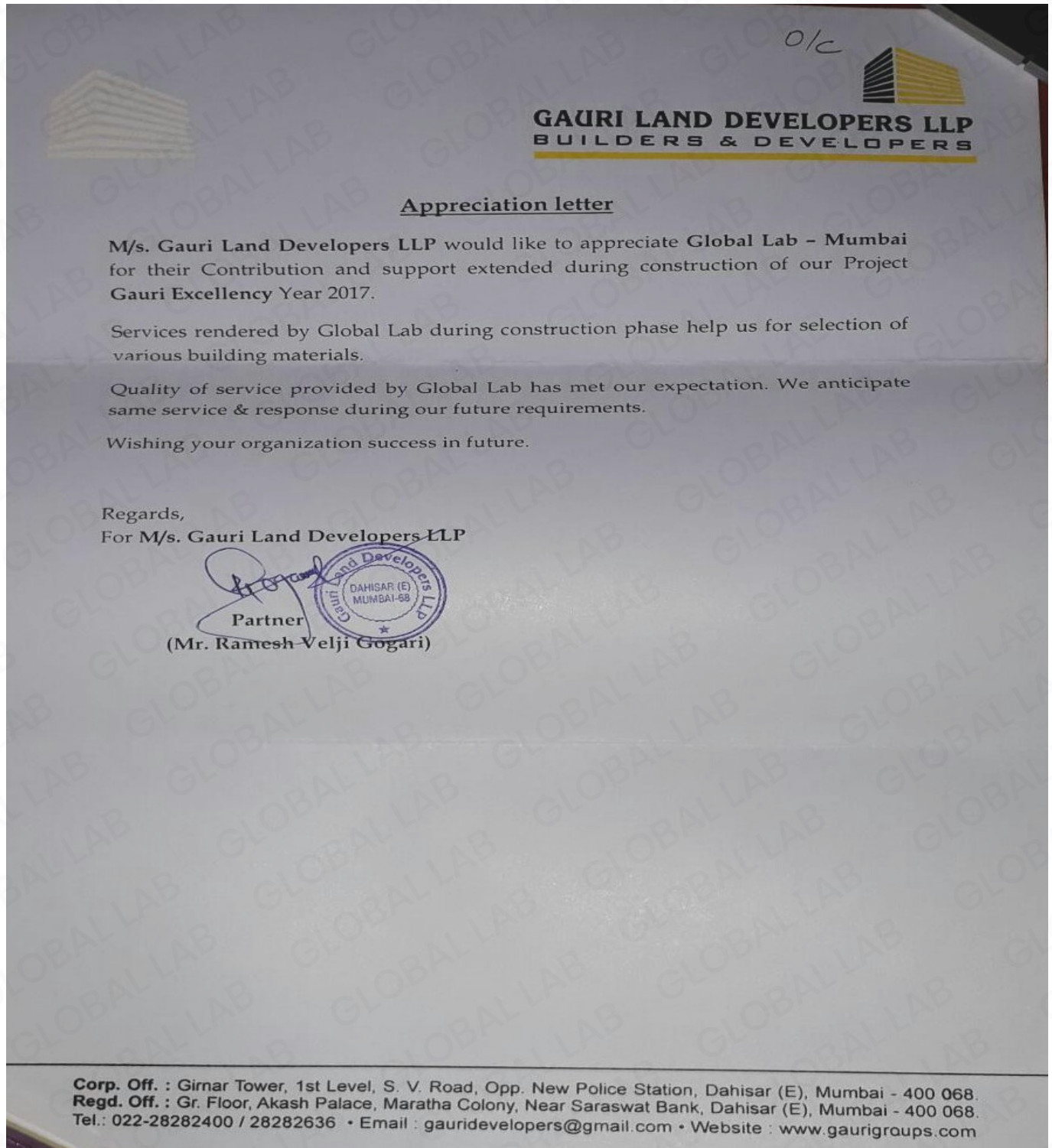


Ranjeet Deshmukh  
AGM- Projects  
ATTP Site.



Registered Office : A-104, Shanath - 4, Opp. Karmavati Club, S. G. Road, Ahmedabad 380 015

## Testimonial





Testimonial

**Infra Consults**

PROJECT MANAGEMENT CONSULTANT

Regd Off: 9, Tejal Bhavan, N.P. Thakkar Road, Vile Parle (East), Mumbai –400 057.

Email: [infraconsultant@yahoo.co.in](mailto:infraconsultant@yahoo.co.in), Web Site: [www.infraconsults.com](http://www.infraconsults.com)

Tel: 7303590587, Tel Fax: 022- 2613 1087

Ref: 11/816 /3273/17

Date: 17<sup>th</sup> Nov 2017

### Appreciation letter

Infra Consults would like to appreciate Global Lab–Mumbai for their Contribution and support extended during our repairs/rehabilitation/up gradation/ NDT of buildings Project in 2016 -17.

Services rendered by Global lab during NDT help us for selection of various remedial measures for repairs/rehabilitation/up gradation of buildings.

Quality of service provided by Global lab has met our expectation. We anticipate same Service & response during our future requirements.

Wishing your organization success in future.

Regards,

For Infra Consults

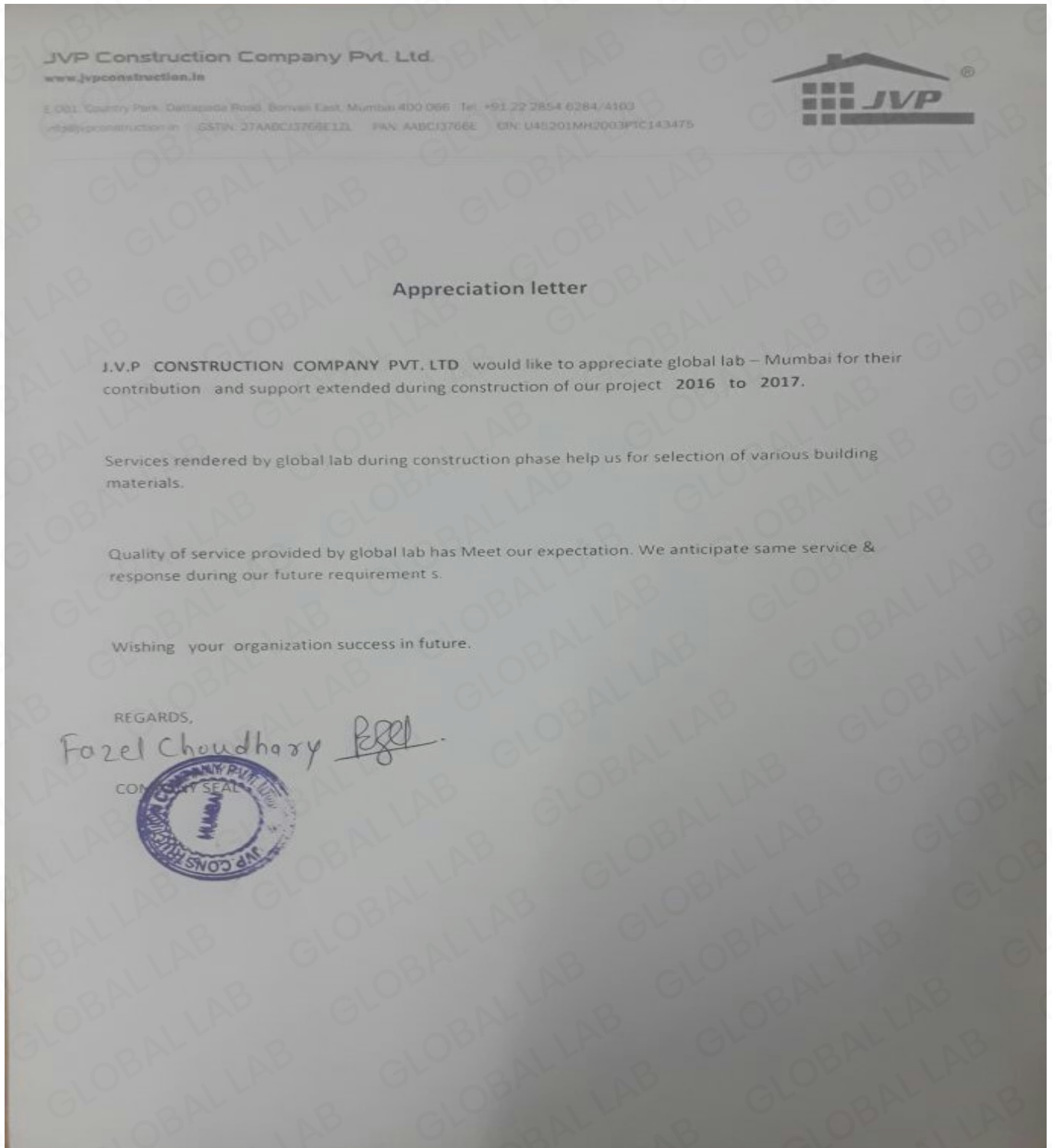
(Project Management Consultant)

(Mrs. Jyotsna Tondwalkar)

(Principal Consultant)



## Testimonial





## *Ashwini Associates*

87, 3<sup>rd</sup> Floor, UDAY CHS Ltd., Aarey Road, Goregaon (W), Mumbai – 400 104  
☎ 022-28726629 📠 9920936762 / 9702036762

Consulting Structural Engineer, License Structural Auditor, Project Consultant & Property Valuer  
MMC : STR/S/239, NMMC : NMMC/TPO/S.E./168&TMC:मा. स्थायी समिती ठराव क्र.२१४ दि. ४/७/२०१४

Date : 14/11/2017

### LETTER OF APPRECIATION

M/S. ASHWINI ASSOCIATES, Structural Consulting Firm, Appreciates Contribution & Support Extended by Global Lab, Mumbai Branch in several of its Projects Pertaining to Audits rendered to us.

Services Imparted by Global Lab have helped us in concluding many complicated situations in or scope as consulting firm at various projects.

Global Lab is attached with us in several of our projects since 2013-2014.

Global Lab has met our requirements in quality and timely completion of work scope allotted to them.

We wish them success in future efforts.

Yours Faithfully  
For Ashwini Associates

  
  
Proprietor



## Appreciation letter

Supreme infrastructure India limited would like to appreciate Global Lab – Mumbai for their Contribution and support extended during construction of our Project- **Metro station kharghar 2014-2017**

Services rendered by Global lab during construction phase help us for selection of various building materials.

Quality of service provided by Global lab has met our expectation. We anticipate same Service & response during our future requirements

Wishing your organization success in future.

Regards,

Mukesh Kumar

QA/QC Engineer



**SUPREME INFRASTRUCTURE INDIA LTD.**

(AN ISO-9001/14001/OHSAS-18001 CERTIFIED COMPANY)

Supreme House, Plot No. 94/C, Pratap Gad, Opp. I.I.T. Main Gate, Powai, Mumbai - 400 076.  
Tel.: +91 22 6128 9700 • Fax : +91 22 6128 9711 • Website : [www.supremeinfra.com](http://www.supremeinfra.com)  
CIN : L74999MH1983PLC029752



## Testimonial

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*Mandal Infrastructure Pvt. Ltd.*

### Appreciation letter

**Mandal Infrastructure Pvt. Ltd.** would like to appreciate Global Lab – Mumbai for their Contribution and support extended during construction of our Project **Lifescapes Amaris, Girgaon, Mumbai. Year 2017**

Services rendered by Global lab during construction phase help us for selection of various building materials.

Quality of service provided by Global lab has meet our expectation. We anticipate same Service & response during our future requirements

Wishing your organization success in future.

Regards,

**For Mandal Infrastructure Pvt. Ltd.**



**Authorized Signatory**

## FEW VALUABLE CLIENTS

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## CONTACT US

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### 1.) Global Lab ( Main Branch) - Vasai, Mumbai

Address: Unit No- 31 & 32, Shethia Industrial Park, Opp Saiyali Petrol Pump, Near Golden Chariot Hotel, Vill- Waliv, Vasai (E), Thane - 401208

Contact Person For Testing Services:

Mr Mahemood Ahmad ( Lab Manager-Vasai Lab) Cell No : 91 7718862313

Mr Baliram Vishwakarma ( Lab Manager - Turbhe & Kurla Lab) Cell No: 91 8108151757

### 2.) Global Lab (Corporate Branch Lab) : Turbhe, Navi Mumbai

Address: Shop No-29 / 30, Krishi Industrial Estate, Opp. Everest Nivara, Near Indra Nagar Bus Stop, TTC Industrial Area, Turbhe, Navi Mumbai-400613 Contact Person For Testing Services:

Mr Baliram Vishwakarma (Lab Manager-Turbhe & Kurla Lab), Contact No: 91 8108151757

Mr Mahemood Ahmad (Lab Manager-Vasai Lab), Contact No: 91 7718862313

### 3.) Global Lab (Support Office): Borivali, Mumbai

Address: Global Lab, B-21, Shripal Nagar CHS, Satyanagar, Borivali (West), Mumbai-400092

Contact Person For Testing Services:

Mr Baliram Vishwakarma (Technical Head), Contact No: 91 8108151757

Mr Mahemood Ahmad ( Technical Head), Contact No: 91 7718862313

### 4.) Global Lab (Branch Lab): Kurla, Mumbai

Address: 284, Comely Building, Gr Floor, Opp Anjuman I Islam School, S G Berve Marg, Kurla (West), Mumbai-400070. Contact Person For Testing Services:

Mr Baliram Vishwakarma (Technical Head), Contact No: 91 8108151757

Mr Mahemood Ahmad (Technical Head), Contact No: 91 7718862313

### 5.) Global Lab (Branch Lab): Thane City

Address: Shop No 1-2-3, Building No-32, Bhav Residency, Dutta Mandir Road, Near Shivaji Maharaj Ground, Kasheli Kalher, Bhiwandi, Thane, Maharashtra- 421302 Contact Person For Testing Services:

Mr Baliram Vishwakarma (Technical Head), Contact No: 91 8108151757

Mr Mahemood Ahmad (Technical Head), Contact No: 91 7718862313

### 6.) Global Lab (Regional Lab): Kolkata

Address : Ground & 1st Floor, 1073, Lashkarhat, Ward No-107, Picnic Garden, Opp Eastern Kolkata Medical Center, Kolkata-700039 Contact Person for Testing Services:

Mr Samsuddin Molla

Contact No: +91 7700956781

Email ID: samsuddin@globallab.co.in

**7.) Global Lab (Branch Lab): Guwahati, Assam**

Address: Bora Service Bye Lane, G.S. Road, Ulubari, Guwahati- 781007 Assam Contact Person for Testing Services: Mr S K Alam Email ID: skalam@globallab.co.in

**8.) Global Lab (Regional Lab): Surat**

Address: Global Lab Material Testing Pvt Ltd, 153, RJD Textile Park, Ichhapore GIDC, Bhatpore, Surat Pin Code: 394510, Gujarat Contact Person for Testing Services: Mr Navneet Kumar (Lab Manager) Email ID: navneet@globallab.co.in

**9.) Global Lab (Regional Lab): Bhubaneswar, Odisha**

Address: Global Lab Material Testing Pvt Ltd, Plot No -206, Mahadev Nagar, Jharpada Road, Jharpada, Bhubaneswar- 751006, Odisha Contact Person: Mr Shaswata Mukharjee Contact No: +91 7596067780 Email ID: shaswata@globallab.co.in