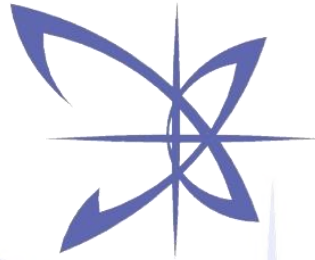




DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

COMPANY PROFILE



DEEVIN

SEISMIC SYSTEMS PVT. LTD



Manufacturer of Structural Bridge Bearings, Bridge Movement Joints, Pre-Stressing & Post Tensioning Systems, Geo-Composites & Geo-Strap EPDM Pads.

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



INDEX

- ❖ WELCOME NOTE
- ❖ COMPANY PROFILE.
- ❖ CERTIFICATIONS.
- ❖ OUR PRODUCT RANGE.
- ❖ PRODUCT CATALOGUE.
- ❖ APPROVALS.
- ❖ MATERIAL SPECIFICATION LIST.
- ❖ LIST OF MACHINES.
- ❖ LIST OF LABS EQUIPMENTS.
- ❖ LATEST PO.
- ❖ INHOUSE TEST REPORTS.
- ❖ CLIENT REFERENCE LIST.



WELCOME NOTE

It is our pleasure to present our introduction to our esteemed customers, vendors, and well-wishers.

With our growing country and its infrastructure, it was an advent of need to manufacture the related structural items and components needed in highways and railway bridges.

With this view we have established a high tech manufacturing unit with state-of-the-art machines, laboratory equipment and design and development facilities, with special emphasis to produce high quality bridge bearings, expansion joints, Pre & Post Tensioning system components and geo products.

It has been established in the state of Madhya Pradesh, which is the center of India, at Mandideep industrial area, near Bhopal (state capital of Madhya Pradesh) and is well connected to rail, road and air.

We are a professionally managed organization with highly qualified and dedicated personnel having a strength of 170 + manpower.

Looking forward to a mutually beneficial togetherness for the requirements of our esteemed customers, vendors, and well-wishers.

It will be our earnest endeavor to serve.

THANK YOU

TEAM DEEVIN



COMPANY PROFILE

Today Deevin Seismic Systems, is having more than 170 Technical and non-technical staff and state of art corporate office & manufacturing unit of **12,402 Sq. Mtr.** with in-house Design & Testing laboratory in Mandideep Industrial area, which is 25 km away from Bhopal, well connected via Road, Rail & Air.

Deevin is representing many world-renowned companies for construction specialty products in India. We have our own R&D Department, who are always willing to help architects/consultants to implement their imagination into reality; these products have been appreciated all over the world for more than a decade and since then have been performing extremely well.

We, at **Deevin** are committed towards excellence through innovation, conservation, and quality execution of the projects. We provide total engineering solutions relating to specialty products, be it design, manufacture, supply, installation of the system, not only with state- of-art technology but also with integrity & professionalism. We are well equipped with all required Manpower, Materials & tools, and plants for regular & specific works, with state-of-the-art laboratory for all inhouse tastings.

Today Deevin is a well-known name in the field of construction industry. We are providing our services to many Bridge & Building projects in India. These are being sponsored by the State / Central Government like **BRPNL, NORTHERN RAILWAY, BRO, U.P. Jal Board Nigam, DMRC, NHAI, PWD, AIA**, and with leading Architects, Consultants, Private Builders & Developers.

We cater to all your needs of specialty products and will take care of all your requirements and recommend the appropriate systems according to the site conditions and requirement of the project. Just call for services to our well qualified, experienced & dedicated Deevin Team and they shall respond honestly **within 24 hours.**



شهادة
◆ CERTIFICAT
◆ CERTIFICADO
◆ СЕРТИФИКАТ
◆ 認證證書
◆ CERTIFICATE
◆ ZERTIFIKAT



CERTIFICATE

DEEVIN SEISMIC SYSTEMS PVT. LTD.

ADDRESS : 73B, SECTOR -C, INDUSTRIAL AREA, MANDIDEEP,
DIST- RAISEN MADHYA PRADESH - 462046, INDIA

QACS certify that the quality management system of the above organization has been audited and found to be in accordance with the requirements of standard detailed below

ISO 9001:2015

For The Following Scope

"MANUFACTURER OF STRUCTURAL BEARINGS, ELASTOMER BEARINGS, BRIDGE & BUILDING EXPANSION JOINTS, PRE STRESSING & POST TENSION ANCHORAGES, GEO COMPOSITE, GEO STRAP" AND ALLIED PLASTIC, MACHINED & RUBBER PRODUCTS WITH ACCESSORIES"

Certificate No:- QACS-UAF-Q-DS-06.25.1555

IAF Code:- 18

*This certificate is issued in accordance with the QACS International Pvt. Ltd. auditing and Certification procedures and it is remain valid subject to annual surveillance audit.

Certificate Issue Date	: 16.08.2025	1st Surveillance Date	: 15.08.2026
Dated Of Initial Registration	: 16.08.2025	2nd Surveillance Date	: 15.08.2027
Certificate Validity	: 03 Years	*Certificate Expiry Date	: 15.08.2028

Note: Certificate shall be valid after surveillance, only if continuation letter by QACS is present

QACS International Pvt. Ltd.
Kh. No. 850, 2nd floor, opp.SBI bank,
sant nagar Burari, delhi-110084
Email: info@qacsworld.com
To check the certificate validity please refer
Web: www.globalqacs.com

QACS Accredited By:
United Accreditation Foundation Inc. (UAF)
1060 Laskin Road, STE 12B/13B
Virginia Beach, VA 23451
United States of America (USA)
Web: www.uafaccreditation.org

Authorized Signatory



Disclaimer :- This certificate is issued on the basis of random onsite inspection w.r.t. System/Product Certification of organisation as per the standard mentioned. This Certification do not involve any financial auditing. This certificate cannot be used as justification for running any type of deposit schemes. QACS will not be responsible if someone give deposit/advance based on this System/Product certification mistreating at as international financial audit.



ISO 9001:2015 Certified

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



شهادة

CERTIFICAT

CERTIFICADO

СЕРТИФИКАТ

認證證書

CERTIFICATE

ZERTIFIKAT



CERTIFICATE

DEEVIN SEISMIC SYSTEMS PVT. LTD.

ADDRESS: 73B, SECTOR -C, INDUSTRIAL AREA, MANDIDEEP, DIST- RAISEN
MADHYA PRADESH - 462046, INDIA

QACS certify that the environmental management system of the above organization has been audited and found to be in accordance with the requirements of standard detailed below

ISO 14001:2015

For The Following Scope

“MANUFACTURER OF STRUCTURAL BEARINGS, ELASTOMER BEARINGS, BRIDGE & BUILDING EXPANSION JOINTS, PRE STRESSING & POST TENSION ANCHORAGES, GEO COMPOSITE, GEO STRAP” AND ALLIED PLASTIC, MACHINED & RUBBER PRODUCTS WITH ACCESSORIES

Certificate No:- QACS-UAF-E-DS-11.24.830

EA Code:- 18

*This certificate is issued in accordance with the QACS International Pvt. Ltd. auditing and Certification procedures and it is remain valid subject to annual surveillance audit.

Certificate Issue Date	: 31.01.2024	1st surveillance Date	: 30.01.2025
Dated Of Initial Registration	: 31.01.2024	2nd surveillance Date	: 30.01.2026
Certificate Validity	: 03 Years	*Certificate Expiry Date	: 30.01.2027

Note: Certificate shall be valid after surveillance, only if continuation letter by QACS is present.

QACS International Pvt. Ltd.
Kh. No. 850, 2nd floor, opp.SBI bank,
sant nagar Burari, delhi-110084
Email: info@qacsworld.com
To check the certificate validity please refer
Web: www.globalqacs.com

QACS Accredited By:
United Accreditation Foundation Inc. (UAF)
400 North Centre DR, STE 202, Norfolk,
VA 23502, United States Of America (USA)
Web: www.uafaccreditation.org

Authorized Signatory



Disclaimer :- This certificate is issued on the basis of random onsite inspection w.r.t. System/Product Certification of organisation as per the standard mentioned. This Certification do not involve any financial auditing. This certificate cannot be used as justification for running any type of deposit schemes. QACS will not be responsible if someone give deposit/advance based on this System/Product certification mistreating at as international financial audit.



ISO 14001:2015 Certified

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



شهادة

CERTIFICAT

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CERTIFICATE

ZERTIFIKAT



CERTIFICATE

DEEVIN SEISMIC SYSTEMS PVT. LTD.

ADDRESS: 73B, SECTOR -C, INDUSTRIAL AREA, MANDIDEEP, DIST- RAISEN
MADHYA PRADESH - 462046, INDIA

QACS certify that the occupational health & safety management system of the above organization has been audited and found to be in accordance with the requirements of standard detailed below

ISO 45001:2018

For The Following Scope

"MANUFACTURER OF STRUCTURAL BEARINGS, ELASTOMER BEARINGS, BRIDGE & BUILDING EXPANSION JOINTS, PRE STRESSING & POST TENSION ANCHORAGES, GEO COMPOSITE, GEO STRAP" AND ALLIED PLASTIC, MACHINED & RUBBER PRODUCTS WITH ACCESSORIES

Certificate No:- QACS-UAF-OH-DS-11.24.831

EA Code:- 18

*This certificate is issued in accordance with the QACS International Pvt. Ltd. auditing and Certification procedures and it is remain valid subject to annual surveillance audit.

Certificate Issue Date	: 31.01.2024	1st surveillance Date	: 30.01.2025
Dated Of Initial Registration	: 31.01.2024	2nd surveillance Date	: 30.01.2026
Certificate Validity	: 03 Years	*Certificate Expiry Date	: 30.01.2027

Note: Certificate shall be valid after surveillance, only if continuation letter by QACS is present.

QACS International Pvt. Ltd.
Kh. No. 850, 2nd floor, opp.SBI bank,
sant nagar Burari, delhi-110084
Email: info@qacsworld.com
To check the certificate validity please refer
Web: www.globalqacs.com

QACS Accredited By:
United Accreditation Foundation Inc. (UAF)
400 North Centre DR, STE 202, Norfolk,
VA 23502, **United States Of America (USA)**
Web: www.uafaccreditation.org

Authorized Signatory



Disclaimer :- This certificate is issued on the basis of random onsite inspection w.r.t. System/Product Certification of organisation as per the standard mentioned. This Certification do not involve any financial auditing. This certificate cannot be used as justification for running any type of deposit schemes. QACS will not be responsible if someone give deposit/advance based on this System/Product certification mistreating at as international financial audit.



ISO 45001:2018 Certified

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



Certificate of Compliance

We hereby declare that the technical file of product complied with the requirement of directives (MED) 2014/90/EU

Applicants

Name : DEEVIN SEISMIC SYSTEMS PVT.LTD.
Address : 73B, 73A, 60, SECTOR C, INDUSTRIAL AREA, MANDIDEEP, RAISEN, MADHYA PRADESH- 462046, INDIA
Product : ELASTOMER BEARING, ELASTOMER PAD, EPDM PAD, SLAB SEAL ARE BEING PRODUCED AT OUR MANUFACTURING PLANT & GETTING USE IN CONSTRUCTION OF ROAD BRIDGES OF HIGHWAY & ALSO FOR RAILWAY BRIDGES

Complies with the requirements applicable to it

The Certification body has performed an audit of the above product quality system covering the design, manufacture and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to the (MED) 2014/90/EU

This certificate is issued under the following conditions:

It applies only to the quality system maintained in the manufacture of above referenced models and it does not substitute the design or type-examination procedures, if requested.

1. The certificate remains valid until the manufacturing conditions or the quality systems are changed.
2. The certificate validity is conditioned by positive results or surveillance audits.
3. After fulfilling the relevant EU legislation, the manufacturer shall affix to each device, of the above referenced models.
4. The CE mark as shown above can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of conformity and compliance with all relevant EC Directives. The statement is based on a single evaluation of one sample of above mentioned product. It does not imply an assessment of the whole production.

Certificate No. US-DNYS-24-2010172

To verify this certificate please visit at www.uscertifications.uk

Date of Certification

1st Surveillance Due

2nd Surveillance Due

Certificate Expiry (Subject to the company maintaining its system To the required standard)

20TH NOV 2024

19TH NOV 2025

19TH NOV 2026

19TH NOV 2027



Authorized Signatory



CAB Address : Merry Terrace Woking, London FU21 3EH UK Validity of this certificate is subject to annual surveillance audits to be done successfully This certificate is the property of U.S. Certification and shall be returned immediately on request U.S. Certification is an independent Systems Products and Personal assessment Body, U.S. Certification is a accredited by IABCERT.NU

CE Certified for Elastomeric Bearing

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



Certificate of Compliance

We hereby declare that the technical file of product complied with the requirement of directives (MED) 2014/90/EU

Applicants

Name : DEEVIN SEISMIC SYSTEMS PVT.LTD.
Address : 73B, 73A, 60, SECTOR C, INDUSTRIAL AREA, MANDIDEEP, RAISEN, MADHYA PRADESH- 462046, INDIA
Product : GEOSTRAP DEEVIN 30KN, 40KN, 50KN , 60KN, 75KN, 85KN & 100KN & GEO COMPOSITE DEEVIN D13055, DEEVIN D15055, DEEVIN D15045, DEEVIN D15075RD, DEEVIN D12545T, DEEVIN D15045T ARE BEING PRODUCED AT OUR MANUFACTURING PLANT & GETTING USE IN CONSTRUCTION OF ROAD BRIDGES OF HIGHWAY & ALSO FOR ROB OF RAILWAY.

Complies with the requirements applicable to it

The Certification body has performed an audit of the above product quality system covering the design, manufacture and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to the (MED) 2014/90/EU

This certificate is issued under the following conditions:

It applies only to the quality system maintained in the manufacture of above referenced models and it does not substitute the design or type-examination procedures, if requested.

1. The certificate remains valid until the manufacturing conditions or the quality systems are changed.
2. The certificate validity is conditioned by positive results or surveillance audits.
3. After fulfilling the relevant EU legislation, the manufacturer shall affix to each device, of the above referenced models.
4. The CE mark as shown above can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of conformity and compliance with all relevant EC Directives. The statement is based on a single evaluation of one sample of above mentioned product. It does not imply an assessment of the whole production.

Certificate No. US-DYMS-24-2010173

To verify this certificate please visit at www.uscertifications.uk

Date of Certification	20 TH NOV 2024
1 st Surveillance Due	19 TH NOV 2025
2 nd Surveillance Due	19 TH NOV 2026
Certificate Expiry (Subject to the company maintaining its system To the required standard)	19 TH NOV 2027



Authorized Signatory



CAB Address : Merry Terrace Woking, London FU21 3EH UK Validity of this certificate is subject to annual surveillance audits to be done successfully This certificate is the property of U.S. Certification and shall be returned immediately on request U.S. Certification is an independent Systems Products and Personal assessment Body, U.S. Certification is a accredited by IABCERT.NU

CE Certified for Geo Products

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



Certificate of Compliance

We hereby declare that the technical file of product complied with the requirement of directives Machinery Directive 2006/42/EC

Applicants

Name : DEEVIN SEISMIC SYSTEMS PVT. LTD.
Address : 73-B, SECTOR C, INDUSTRIAL AREA, MANDIDEEP, DISTT. RAISEN PIN 462046, INDIA
Product : 1) POT, PIN, METALLIC GUIDE AND PLANE SLIDING BEARINGS
Range: 10 MT to 4000 MT
Standards: IRC:83 (Part-III)-2018
IRC:83 (Part-III)-2002
2) SPHERICAL AND CYLINDRICAL SLIDING BEARINGS
Range: 10 MT to 4000 MT
Standards: IRC:83 (Part-IV)-2014
3) EXPANSION JOINTS
Standards: IRC: SP:69-2011

Complies with the requirements applicable to it

The Certification body has performed an audit of the above product quality system covering the design, manufacture and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to the Machinery Directive 2006/42/EC

This certificate is issued under the following conditions:

It applies only to the quality system maintained in the manufacture of above referenced models and it does not substitute the design or type-examination procedures, if requested.

1. The certificate remains valid until the manufacturing conditions or the quality systems are changed.
2. The certificate validity is conditioned by positive results or surveillance audits.
3. After fulfilling the relevant EU legislation, the manufacturer shall affix to each product, of the above referenced models.
4. The CE mark as shown above can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of conformity and compliance with all relevant EC Directives. The statement is based on a single evaluation of one sample of above mentioned product. It does not imply an assessment of the whole production.

Certificate No. QVA-DSPL-23-1330137

Certificate can be verified at www.gaafs.us

Date of Certification

1st Surveillance Due

2nd Surveillance Due

Certificate Expiry (Subject to the company maintaining its system To the required standard)

13TH DEC 2023

12TH DEC 2024

12TH DEC 2025

12TH DEC 2026

Registered


Authorized Signatory



QVA Certification

CAB Address : Maryland Avenue, SW Washington, D.C. 20202

Validity of this certificate is subject to annual surveillance audits to be done successfully

This certificate is the property of QVA Certification and shall be returned immediately on request

QVA Certification is an independent Systems Products and Personal assessment Body, QVA Certification is a accredited by GAAFS.US

CE Certified for Bridge Bearings & Expansion Joint

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

DEEVIN SEISMIC SYSTEMS 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

73-B, SECTOR C, MANDIDEEP, RAISEN, MADHYA PRADESH, INDIA

in the field of
TESTING

Certificate Number: TC-13853

Issue Date: 05/06/2024

Valid Until: 04/06/2026

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

Name of Legal Entity: Deevin Seismic Systems Private Limited

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer

NABL ACCREDITATION CERTIFICATE



भारतीय मानक ब्यूरो

उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय
भारत सरकार

BUREAU OF INDIAN STANDARDS

Ministry of Consumer Affairs, Food & Public Distribution
Government of India

Our Ref: CM/L- 8200162807

Dated: 17/ 4/ 2024

Subject: Grant of BIS Product Certification Licence No.- 8200162807 as per IS 17372:2020.

मैसर्स डेविन सेस्मिक सिस्टम्स प्राइवेट लिमिटेड
73-बी, 73-ए, 60 सेक्टर सी, औद्योगिक क्षेत्र
मंडीदीप, रायसेन, मध्य प्रदेश (462046)

Dear Sir,

With reference to your application, we are pleased to inform you that the Certification Marks Licence has been granted to you to use the Standard Mark in respect of the followings:

Product: Geosynthetics - Polymeric Strip/Geostrip used as Soil Reinforcement in Retaining Structures - Specification.

Scope: GS-30, GS-37.5, GS-40, GS-50, GS-60, GS -75, GS- 85, GS-100 excluding requirements of Reduction Factors / Partial Safety Factors.
As per IS 17372:2020.

2. The number assigned to this Licence is **CM/L- 8200162807** which has been made operative from **23-03-2024** and is valid up to **22-03-2025**. The Licence number shall invariably be referred to in your future correspondence.

3. The Licence is granted on the explicit condition that you shall mark entire production under scope of licence with standard mark and maintain conformity to the relevant Indian Standards. Accordingly, you shall cover the entire production under scope of licence with standard mark & maintain conformity to relevant Indian Standards. In addition, you should display the BIS product certification licence prominently at your premises and also mention the BIS product certification licence held by you in your commercial advertisements.

4. According to Sub-Paragraph (1) & (3) of Paragraph 5 of Scheme-I of Schedule-II under Bureau of Indian Standards (Conformity Assessment) Regulations, 2018, the annual licence fee of Rs.1000.00 and the marking fee for use of Standard Mark as per Annexure-I of Scheme-I of BIS (Conformity Assessment) Regulations, 2018 is payable by you with effect from **23-03-2024** for the period of validity of the licence in advance.

5. Minimum Marking fee stipulated in Annexure-I of Scheme-I of BIS (Conformity Assessment) Regulations, 2018 is payable by you regardless of the fact whether you actually mark your product or not with the Standard Mark. Our Receipt No. **AA82PC2023001468** dated **27/12/2023** for the licence fee and the minimum marking fee for the first operative period is already issued.

6. This advance minimum marking fee will be carried over to the next year on every renewal. The actual marking fee calculated on the unit rate on the production marked or the minimum marking fee, whichever is higher, shall be payable by you at the time of renewal.

भोपाल शाखा कार्यालय : 'मानकालय', ई-5, अरेरा कॉलोनी, बिट्टन मार्केट, भोपाल - 462016 (म.प्र.)
BHOPAL BRANCH OFFICE : 'Manakalaya', E-5, Arera Colony, Bittan Market, Bhopal - 462016 (M.P.)
दूरभाष / Tel.: 0755-2423449, 2423452, 2423454, 2420493, 2442550 फॅक्स/Fax : 0755-2423451
ई-मेल/E-mail : bpbo@bis.gov.in वेबसाइट/Website : www.bis.gov.in

मुख्यालय : मानक भवन, 9, बहादुरशाह ज़फर मार्ग, नई दिल्ली - 110002
Headquarter : Manak Bhavan, 9, Bahadur Shah Zafar Marg, New Delhi - 110002

BIS CERTIFICATE FOR GEO STRAP

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



OUR MANUFACTURING PRODUCT RANGE

Structural Bearing – Approved by MORTH & RDSO

- a) Pot Cum PTFE Bearing
- b) Rocker Roller Bearing
- c) PIN Bearing
- d) Spherical Bearing
- e) Metallic guided Bearing
- f) Elastomeric bearing

Movement Joints – Approved by MORTH & RDSO

- a) Strip Seal Expansion Joint
- b) Compression Seal
- c) Modular Expansion Joint

Pre- Stressing Post & Tensioning Products

- a) Anchor Wedges
- b) Anchor Head
- c) Anchor Cones
- d) PT Accessories

Geo Products

- a) Geo Composite
- b) Geo Strap
- c) Cavity Connectors
- d) EPDM pads

Our products are approved by: -

- a) ISO 9001:2015 certified company**
- b) In the empanelment from Ministry of Road Transport & Highways, New Delhi.
- c) In the approval list of RDSO, Lucknow.
- d) DMRC (Delhi Metro Rail Corporation).
- e) UPSBCL (Uttar Pradesh State Bridge Corporation Ltd.).
- f) NHAI.
- g) RITES.
- h) BRO (Border Road Organization).
- i) Bihar Rajya Setu Nigam Ltd.
- j) Bhopal Metro.
- k) Indore Metro.



PRODUCT CATALOGUE

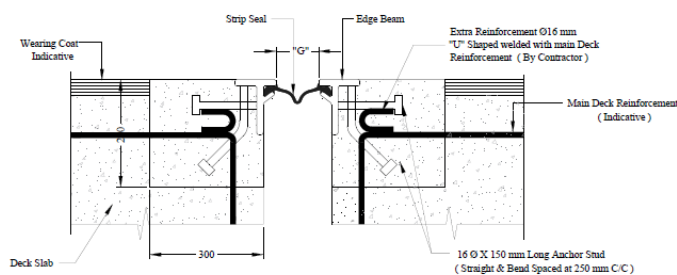
Bridge Expansion Joint:

1. Strip Seal Expansion Joint: Deevin Strip Seal joint consists of an elastomeric sealing gland mechanically locked between two edge beams designed to provide the highest standard of performance. These Joints are designed for use on vehicular bridge structures, support heavy loads and efficiently accommodate multi directional movements including horizontal shear, vertical deflection, and rotational movements.

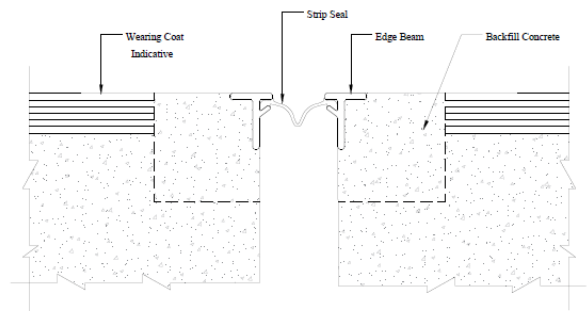
The edge beams are produced from hot rolled steel conforming to ASTM A- 36 or ASTM A - 588 grade or equivalent. The section has a minimum thickness of 10.5 mm all along its cross section which exceeds MORT&H Requirement.

The "V" shape seal allows the expansion joints to move freely and is not affected by long-term fatigue due to its flexibility. Strip seals consist of a gland of specially shaped elastomeric material that spans a deck joint opening. The gland is mechanically locked into a pair of rolled or extruded metal shapes that in turn are anchored to the edges of deck slabs.

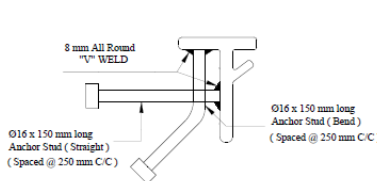
It is used to seal expansion joints located in heavy, high volume, high-speed traffic areas in parking structures, stadiums, and other types of concrete structures. The continuous elastomeric sealing element of Deevin's Strip Seal System is extremely rugged and is engineered for durability. The Neoprene Seal have over 25 years of proven and durable performance. The high-performance neoprene seal locks into the steel profile to provide a completely waterproof system. The elastomeric sealing gland is available in two standard sizes of movement capacity from 0 mm to 80 mm and 0 mm to 130 mm. This is the most popular and acceptable joint system among Bridge Consultants and engineers worldwide.



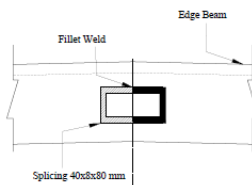
Cross sectional Detail at A-A



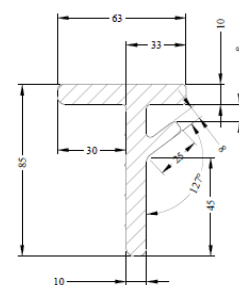
Installed Expansion Joint



Anchor Detail at "B"



Splicing Detail at "C"



Edge Beam Cross Section

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

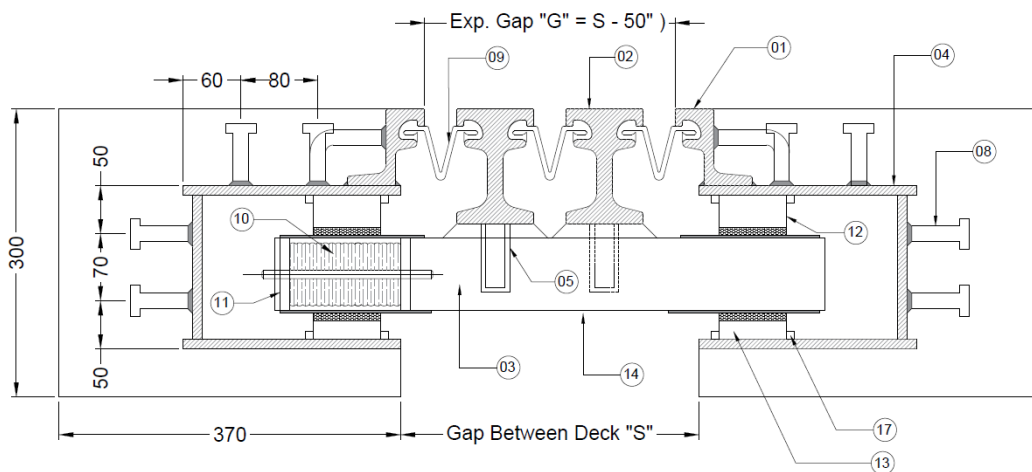
Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



2. Modular Expansion Joint: Deevin Modular joint systems represent the state-of-the-art approach to accommodating the large movements of long-span bridges. By incorporating the results of recent research activities, each joint system is designed to provide watertight, fatigue resistant, long-term, maintenance-free performance.

Modular expansion joint assemblies are subjected to millions of high dynamic stress cycles due to passing vehicle loads. Recognizing the significance of these dynamic loads on the long-term performance of expansion joint systems. Each Modular Expansion Joint System not only bridges the joint gap but also protects the structure from premature corrosion.

They consist of three main components: sealers, separator beams and support bars. Sealers and separator beams form a watertight joint at the riding surface. Separator beams often are extruded or rolled metal shapes and allow joining of the seals in series. The separator beams are supported on support bars at frequent intervals. The modular systems on the market today can provide bridges and structures. "Modular joints don't lend themselves to raising very well". Modular strip seal expansion joint is used for large movement from 80mm to 2000 mm. Each seal has a capacity to accommodate movement up to 80mm. Strip Seal joint consists of an elastomeric

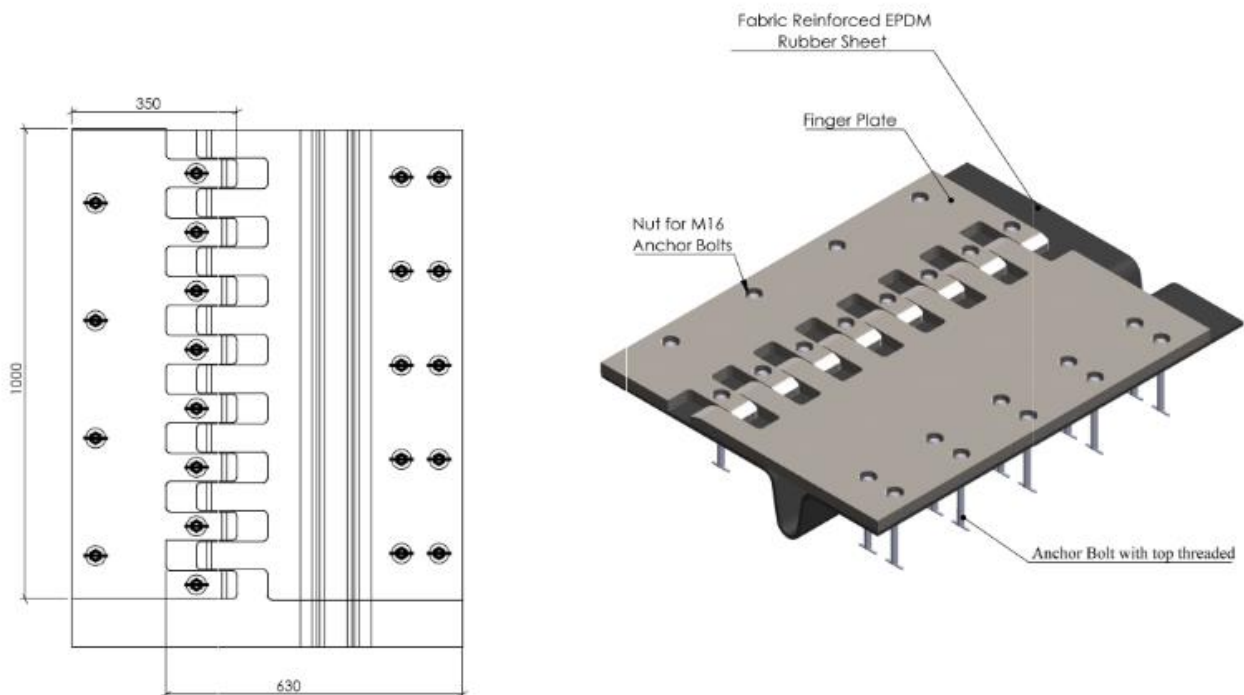




3. Finger Type Expansion Joint: Deevin finger joint consists of multi-directional displacement hinge, sliding finger plate, fixed finger plate, support bracket, anchorage, and drainage system. The multi-directional displacement hinge is the key component of the finger joint, with capacity to accommodate the bridge's three-dimensional deformation demands.

The fixed finger and the sliding finger plate components are located at the two opposite sides of the expansion gap. As the bridge deck expands and contracts, the fingers of the sliding part slide longitudinally between the fingers of the fixed part. The steel fingers which span the expansion gap act as a simply supported beam. The sliding finger plate assembly relates to the multi-directional displacement hinge at one side of the joint and individual fingers spanning the gap always remain in permanent contact with the support on the opposing side of the joint provided by a steel sliding surface and a rubber shock absorber. The flexible and shock-absorbing design of the system helps to reduce the effects of vehicular loading impacts and thus improve the performance of the expansion joint.

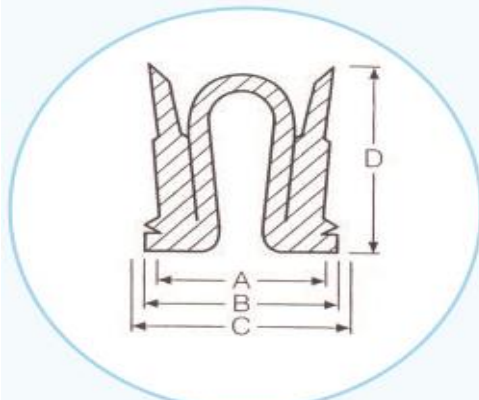
Deevin's finger joint is assembled from unit segment perpendicular to the traffic direction. A typical unit segment is one meter long. The short length of the unit segment offers the advantage of quick replacement of sections in individual lines if required (possible in a single night shift) without closure of other lanes of traffic. The maintenance and life cycle costs are significantly reduced when compared to the type of modular joint.



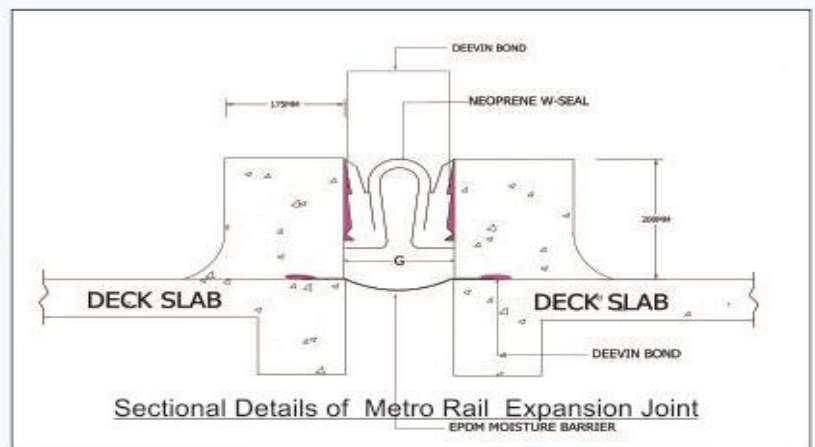


4. Metro Rail Expansion Joint ('W' Seal): Deevin Metro Rail Expansion Joint (W Seal) is a manufactured from extruded Neoprene. The material conforms to ASTM D2628 Modified. W-Seal is ideal for Metro Rail Track, Parking Structures, simple span structures or other structures where the movement is Medium and the openings range between 1" (inch) and 5" (inches). W Seal has been approved by numerous Architects, structure Designers. Currently the oldest installation of this seal is nearly 15 years old and is still in excellent condition.

To make the W Seal absolute watertight, the EPDM membrane use as an additional moisture barrier which confirm to conform to ASTM 2240 & ASTM-G53 & 84 with the assistance of a highly experienced and qualified engineers, developed a new type of seal which eliminated many disadvantages of the other types of seal. The W-Seal utilizes a classical "arch" shape. The design of the W-Seal is less complex; the W-Seal will not tend to harden over time. Deevin's-TechStar adhesive remains bonded and can pull the seal open. The bond does not degenerate with age. After many years, the first installation of the W-Seal is still bonded and remains watertight. The arch configuration also assists in expelling debris from the joint, and the joint looks extremely clean for this length of service. The W-Seal has been field tested by several key State Departments of Transportation, including Florida, Nevada, Arkansas, Illinois, Missouri, Idaho, Oregon, Connecticut, Maryland, and New Jersey. As part of the FDOT's Product Evaluation of Qualified Expansion Joints for Bridges, the W300 was installed on Interstate 95 near Port St. Lucie, Florida. The W-Seal outperformed all other comparable products. The following are some excerpts from the FDOT's report: "The installation of the W seal was quick and simple." (2/96) The W300 is performing very well." (2/96) Based on more than two years of testing and field observation, the SRC recommends that the FDOT Product Evaluation Section place the W300 Seal on the FDOT's Qualified Products list (QPL) for bridge expansion joints and seals."



Design Chart



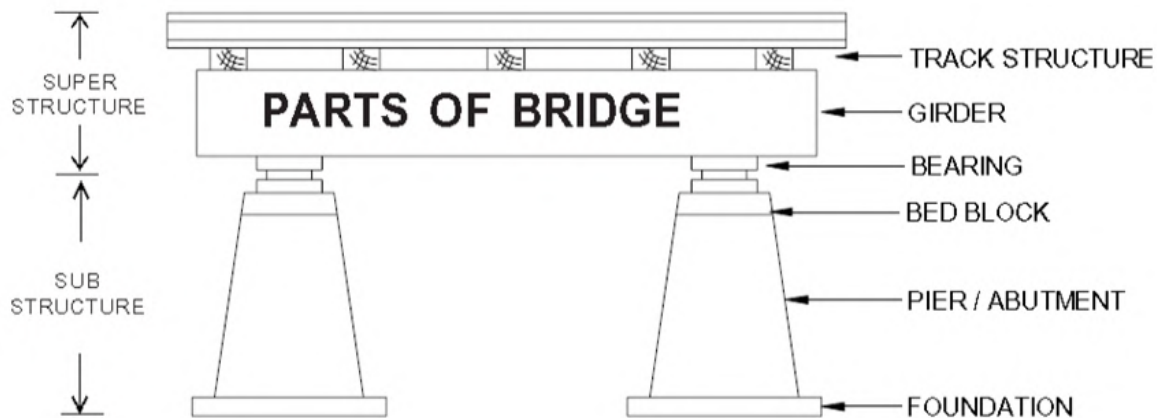
W-Seal Sizes	W050	W100	W125	W150	W175	W200	W300	W400
Min(A) inch	0.25	0.65	0.88	1.00	1.20	1.375	1.750	2.250
Mid (B) inch	0.375	1.00	1.25	1.50	1.75	2.00	2.50	3.00
Mid(B) mm	9.5	25.4	32.0	38.0	45.0	50.8	63.5	76.0
Max(C) inch	0.50	1.25	1.51	1.88	2.10	2.50	3.00	3.625
Height(D) inch	1.57	1.73	1.83	1.94	2.10	2.25	2.625	3.875
Height(D) mm	40	44	47	49	53	57	67	98



Bridge Bearings:

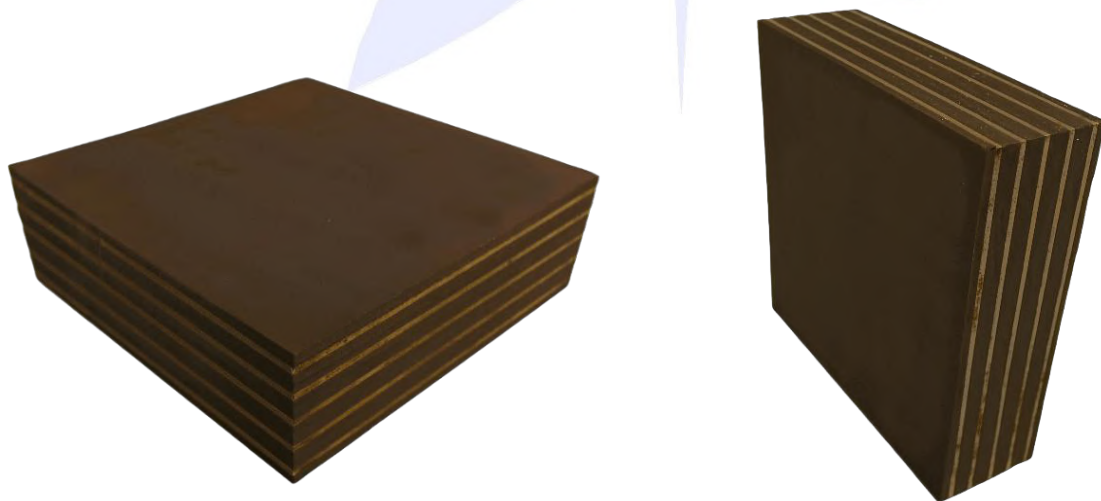
A **Bearing** means the items have capacity to bear load i.e., it is a structural device that transmits loads while facilitating translation and/or rotation.

A **Bridge Bearing** is a component of a bridge which typically connects the bridge piers to the bridge deck. The purpose of a bearing is to allow controlled movement and thereby reduce the stresses involved.



Types of Bridge Bearings:

a) **Elastomeric Bearings:** An Elastomeric Bearing typically consists of several layers of Elastomeric sandwiched between mild steel plates whereby such plates are fully encapsulated within the rubber block.

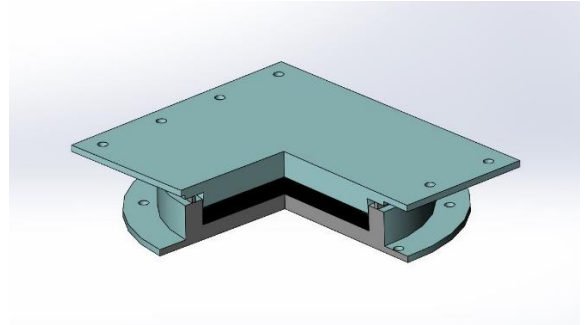




B.) POT Cum PTFE Bearing

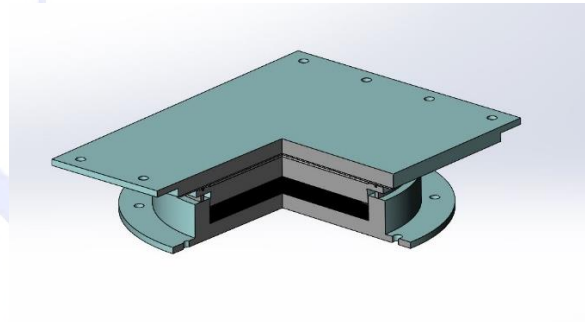
1. POT Cum PTFE Bearing Fixed Type

A **Fixed Pot Bearing** can bear the Vertical loads and transfers the Horizontal force in any direction. It also allows the rotation about any axis in the Horizontal plane.



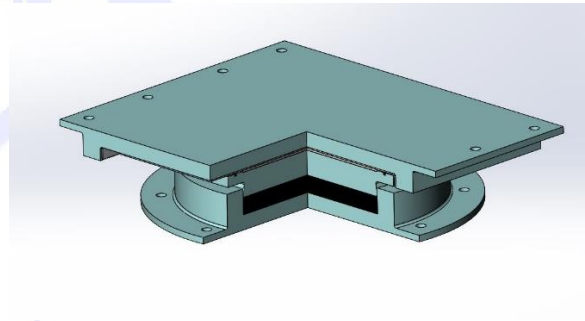
2. POT Cum PTFE Bearing Free Type

A **Free Float Pot Bearing** which can bear and transfer the Vertical Loads & allows movement in any direction in Horizontal plane & accommodates rotation along any axis in the Horizontal plane.



3. POT Cum PTFE Bearing Guided Bearing

A **Guided Pot Bearing** can bear the vertical loads and transfers the horizontal force in one direction only & allows movement perpendicular to that direction and as well as allowing rotation along any axis in the horizontal plane. Further the same bearing is classified as slide Guide Longitudinal & a Slide Guide Transverse bearing [as per the Load system].

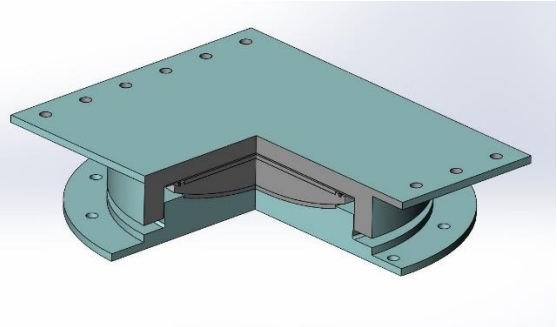




C.) Spherical Bearing

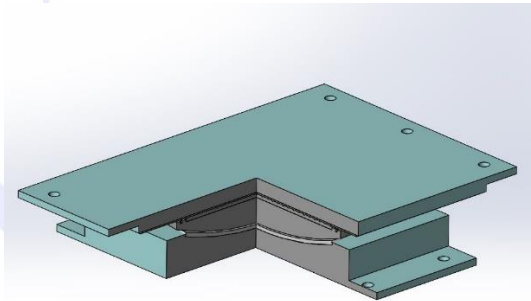
1. Spherical Bearing Fixed Type

A **Fixed Spherical Bearing** can bear the Vertical loads and transfers the Horizontal force in any direction. It also allows the rotation about any axis in the Horizontal plane.



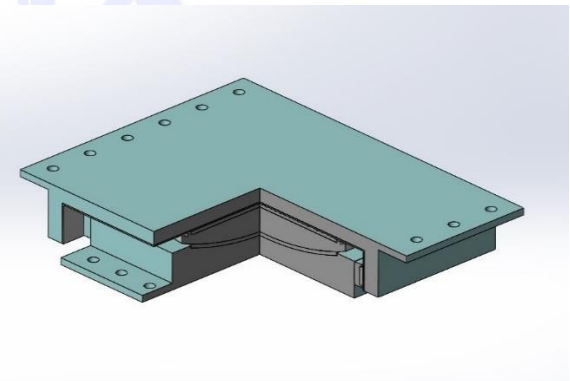
2. Spherical Bearing Free Type

A **Free Float Spherical Bearing** which can bears and transfers the Vertical Loads & allows movement in any direction in Horizontal plane & accommodates rotation along any axis in the Horizontal plane.



3. Spherical Bearing Guided Bearing

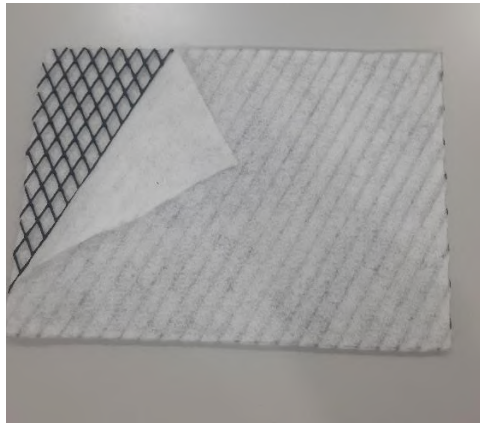
A **Guided Spherical Bearing** can bear the vertical loads and transfers the horizontal force in one direction only & allows movement perpendicular to that direction and as well as allowing rotation along any axis in the horizontal plane. Further the same bearing is classified as slide Guide Longitudinal & a Slide Guide Transverse bearing [as per the Load system].





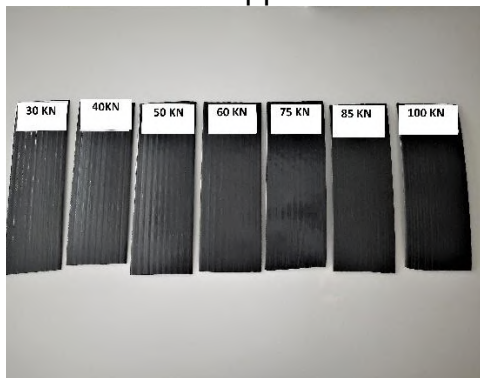
GEO Components - A Planner structure substance developed from polymeric materials used in soil, rock, earth, or other associated geotechnical engineering materials as an integral part of manmade buildings, structures, or systems. e.g., Geo-composite & Geo-straps.

A. Geo-Composite - Geo-composites are usually blending drainage (and occasionally barrier) material in a multi-layer system with a geotextile filter to avoid soil transfer to the drainage channel. The draining geosynthetics most used are the Geo-composites.



Parameters	Method	Unit	Values
Composite Drain			
Thickness @ 2 kPa	EN 9863-1	mm	≥ 4.5
Mass per unit area	EN ISO 9864	g/m ²	> 710
Tensile Strength (Avg.)	EN ISO 10319	kN/m	≥ 16
Static Puncher Resistance (Avg.)	EN ISO 12236	N	≥ 3000
Water plane flow capacity, MD (Avg. value)	EN ISO 12958	l/(m.s)	
	Type of Contact		R/R
	Gradient i-1		
	@ 100 kPa		0.55
	@ 200 kPa		0.45
Drainage Core- Geonet			
Raw Material: High Density Polyethylene, stabilized by carbon black, black color			
Structure: Set of parallel ribs overlaid and intergrally connected having a rhomboidal shape			
Filter Fabric- Geotextile			
Material: Polypropylene			
Structure: Needle punch or thermally bonded non woven geotextile			
Water permeability (Avg.)	EN ISO 11058 / ASTM D 4491	S ⁻¹	≥ 0.10
Opening size (Avg.)	EN ISO 12956/ ASTM D 4751	Micron	≤ 220

B. Geo-Strap - The strips consist of distinct channels of tightly packed high tenacity polyester (PET) yarn encased in polyethylene sheath. The strips are suitable for reinforcement applications in combination with concrete wall facing panels.

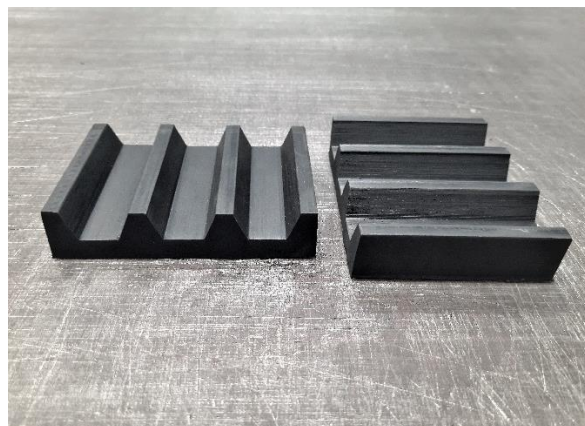


		1	2	3	4	5	6	7
Properties (EN ISO 10319)	Units	DEEVIN 30	DEEVIN 40	DEEVIN 50	DEEVIN 60	DEEVIN 75	DEEVIN 85	DEEVIN 100
Mechanical								
Characteristic tensile strength (Avg.)	kN	30.2	40.2	50.3	60.3	75.4	85.4	100.5
Long Term Tensile T _{cr} (70% of UTS at 30 > 120 year design life)	kN	21.14	28.14	35.21	42.21	52.78	59.78	70.35
Physical Properties								
Strip width	mm	83±3	83±3	87±3	90±3	90±3	90±3	90±3

C. EPDM Pads

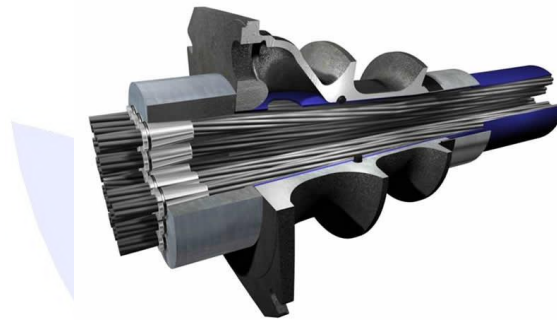
RE Wall Pads which is also called as Rubber Pad or EPDM Elastomeric pad is used for the below

- To maintain Gap in RE Wall
- To avoid vibration on the bridge which absorbs the vibration. This is avoiding cracks in the structure





POST TENSIONING SYSTEM - Post-tensioning can be explained as the method of reinforcing concrete or other materials with high-strength steel strands or bars, typically referred to as tendons. Their applications include commercial buildings, residential buildings, parking structures, slabs-on-ground, bridges, sports stadiums, rock and soil anchors, and water-tanks. Post-tensioning tendons, which are prestressing steel cables inside plastic ducts or sleeves, are positioned in the forms before the concrete is placed. Afterward, once the concrete has gained strength but before the service loads are applied, the cables are pulled tight, or tensioned, and anchored against the outer edges of the concrete



A. Anchor Wedges

Live wedges 06 (15.2 mm)
Live wedges 05 (12.7 mm)
Master wedges 06 (15.2 mm)
Master wedges 05 (12.7 mm)



B. Anchor Cone

Anchor Cone 19 06 (19T15)
Anchor Cone 19 05(19T135)
Anchor Cone 12 06(12T15)
Anchor Cone 5 06(5T15)
Anchor Cone 22 06(22T15)
Anchor Cone 27 06(27T15)



C. Anchor Head

Anchor Head 19 06 (19T15)
Anchor Head 19 05(19T135)
Anchor Head 12 06(12T15)
Anchor Head 5 06(5T15)
Anchor Head 22 06(22T15)
Anchor Head 27 06(27T15)





DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

Plant & Machinery



Cutting Area



Grinding Area



Welding Area



Drilling Area



Shot Blast Room



Water Less Paint Booth

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



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CIN: U45200MP2008PTC044683



Conventional Machine Area



CNC Machine Area



Rubber Mixing & Milling Machine



Hydraulic Presses



Shot Blast Room



Water Less Paint Booth

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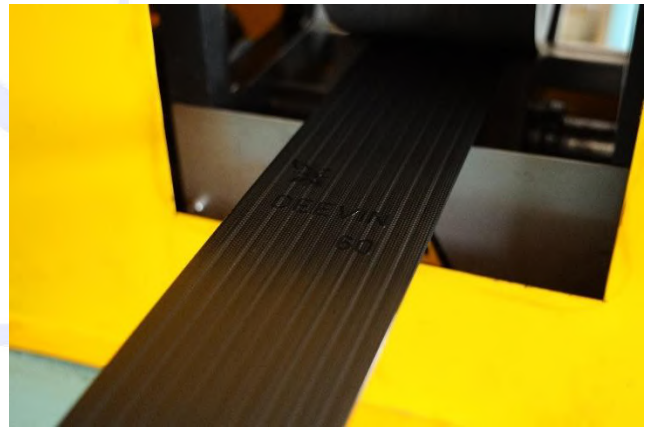
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GEO PRODUCT MANUFACTURING PLANT



Geo Composite Manufacturing Plant



Geo Strap Manufacturing Plant



Geo Composite Storage Area

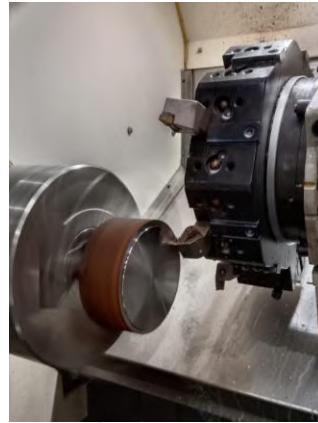
Geo Strap Storage Area



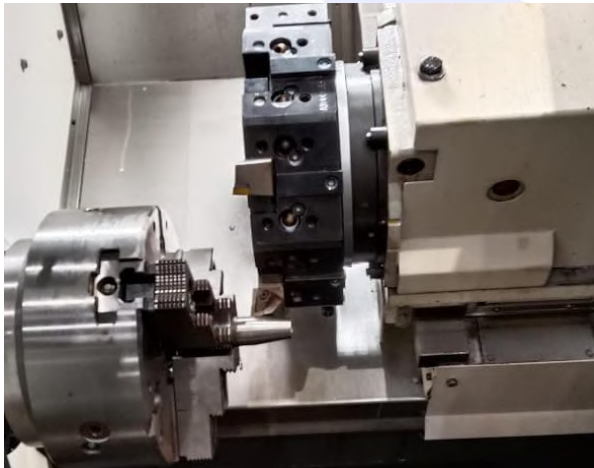
Pre- Stressing & Post Tensioning System Manufacturing Plant



Cutting Machine



Machining & Drilling



Anchor Wedge Machining



Tapping



Anchor Wedge Slitting





Anchorage Efficiency Testing Setup



IIT Team Visit for Anchorage Efficiency Testing



DEEVIN SEISMIC SYSTEMS PVT. LTD.

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CIN: U45200MP2008PTC044683

TEST REPORT OF ANCHORAGE EFFICIENCY TEST



DEEVIN SEISMIC SYSTEMS PVT. LTD.

ANCHORAGE EFFICIENCY TEST REPORT OF DEEVIN 1906 SYSTEM

AS PER FIP 1993

Report Number	:-	DSSPL/FEBRUARY/2024/03	Test date :- 18/02/2024
Name of the Client	:-	M/s National High Speed Rail Corporation Ltd.	Test Number :- 3
Name of the Contractor	:-	M/s Larsen & Toubro Ltd.	
Name of the project	:-	Mumbai Ahmedabad High Speed Rail Project , C-6	
Type of Wedge	:-	Live Wedge 06 , Raw Material Make - JSPL , Material Grade - 20MnCr5 , Heat Number - 4318857	
Type of Anchor Head	:-	DEEVIN 1906 , Material Grade - C45 , Heat Number - F18642	
Type of Strand Used	:-	Coil ID - B6516A	
Jack Type	:-	15.2 mm (7 ply) Strand , Make - Tata Wiron	
Ram area Jack	:-	Multipull Jack (SR12341)	
Jack Efficiency	:-	1347.75 Cm ²	
Pressure Guage Serial No	:-	99.41%	
Characteristic load of Single Strand	:-	H1595-0001/DSSPL/PG-12	
Number of strand	:-	259.00 KN	
Breaking Load Pressure	:-	19 No's	
		Characteristic load of Strand X 1000 X 19	
		Multipull Jack Ram Area X9.81X Jack Efficiency	:- 374.4 Kg/Cm ²

95 % (System Acceptance Load as per FIP-1993) 356 Kg/Cm²

30 KG/CM² pressure applied with single pull jack for removing slackness of All LRPC Strand , Average elongation achieved 14.12 mm (This is Considered in final value) .

Anchorage efficiency Test 1906 Observation											
START TIME	APPLIED LOAD %	Gauge Pressure (Kg/Cm ²)	Load (kN)	Dial Gauge Reading in mm						Jack ram reading in mm	Difference
				a (Distance from Anchor head face)		b (Distance from bearing face to wedges face)		Anchor head dia & thickness in mm			
				Displacement of Strand-1 in mm	Displacement of Strand-2 in mm	Displacement of wedge-1 in mm	Displacement of wedge-2 in mm	D1	T1		
12:20 PM	0%	0	0	10.00	10.00	10.00	10.00	5.00	5.00	71	
12:26 PM	20%	75	990	9.00	9.00	9.12	9.50	5.00	5.00	83	12
12:31 PM	40%	150	1980	8.98	8.94	8.12	8.54	5.00	5.00	98	15
12:35 PM	60%	225	2970	7.81	7.82	6.88	6.39	5.00	5.00	113	15
12:39 PM	80%	300	3960	4.27	4.54	4.15	6.36	5.28	4.74	129	16
1:09 PM	Sustain load for 30 min			4.12	4.42	4.15	6.36	5.28	4.74	129	0
1:39 PM	Sustain load for 60 min			4.12	4.42	4.14	6.36	5.28	4.74	129	0
1:45 PM	98.8%	370	4892	Strand Break at 370 Kg/cm ²						152.00	23.00
Manufacture specified at 80 % Load				Strand draw in average (S1+S2)/2		Wedges draw in average (W1+W2)/2		Anchor Head Deformation			
				< 8 mm		< 8 mm		< 1.5 mm			
Manufacture specified at 80 % Load Result				5.595		4.745		0.27			

Anchorage Efficiency achieved	:-	98.8%
Free Length of strand	:-	4471.4 mm
Change in free Length at breaking load	:-	(Ram reading at breaking load - Ram reading at 0 % load) + Slackness Elongation :- 95.12 mm
Elongation in %	:-	2.13%

TESTED BY	WITNESSED BY
MR. TIL THAPA ENGINEER DSSPL	MR. RAJIV SHARMA QA/QC EXPERT TCAP (MAHSR ALL PACKAGES)
MR. KAMLESH SOLANKI ASST. MANAGER -QUALITY DSSPL	MR. RABINDRA KUMAR ASHTHANA MANAGER (QA/QC)-MAHSR C6 L&T
APPROVED BY MR. SANTOSH SHANBHAG GM-PT BD & EXECUTION DSSPL	

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

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LOAD TRANSFER TEST PT SYSTEM



HYDRAULIC PRESS 850 TONS



CRACK MEASUREMENT TEST BY MICROSCOPE



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

LOAD TRANSFER TEST REPORT

	DEEVIN SEISMIC SYSTEMS PVT. LTD.
	Load Transfer Test Calculation Sheet For Anchor Cone 1906
	AS PER FIP 1993

Report Number	> DSSPLFEBRUARY202405	DATE	> 18.02.2024
Name of the Client	> M/s National High Speed Rail Corporation Ltd.	TEST BLOCK	> 5
Name of the Contractor	> M/s Larsen & Toubro Ltd.		
Name of the project	> Mumbai Ahmedabad High Speed Rail Project	C-6	
Type of Anchorage System	> DEEVIN 1906 Anchorage System		
Pressure Gauge I.D. No.	> DSSPL/PG/11		
Press Type	> Hydraulic Press		
Hydraulic Jack Ram area	> 1963.48 Cm ²		
Ultimate Compressive Strength of Block (Fpk)	> 4921 KN 501630.9888 kg 501.63 TON		
Breaking Load Pressure	$\frac{\text{UTS of Strand}}{\text{Ram Area}} = \frac{501630.9888 \text{ kg}}{1963.48 \text{ Cm}^2} = 255.479 \text{ Kg/Cm}^2$		
	80 % (Service Load Pressure Maximum as per Site requirement) >	204	Kg/Cm ²

INITIAL LOADING												
Sr.No.	Loading percentage	Gauge Pressure (Kg/Cm2)	Total Load in tons	STRAIN Measurement IN MM (FACE ONE)				STRAIN Measurement IN MM (FACE TWO)				REMARKS
				TRANSVERSE		LONGITUDINAL		TRANSVERSE		LONGITUDINAL		
				T1	T2	L1	L2	T1	T2	L1	L2	
1	20%	51	100.33	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	No Crack Found
2	40%	102	200.65	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	No Crack Found
3	60%	153	300.98	200.02	200.03	200.02	200.04	200.02	200.02	200.00	200.00	No Crack Found
4	80%	204	401.30	200.02	200.04	200.04	200.02	200.02	200.04	200.02	200.02	No Crack Found

CYCLIC LOADING												
CYCLE	Loading percentage	Gauge Pressure (Kg/Cm2)	Total Load in tons	Strain Measurement in "mm" (FACE ONE)				Strain Measurement in "mm" (FACE TWO)				REMARKS
				TRANSVERSE		LONGITUDINAL		TRANSVERSE		LONGITUDINAL		
				T1	T2	L1	L2	T1	T2	L1	L2	
1	12%	31	60.20	200.02	200.04	200.02	200.04	200.02	200.04	200.02	200.02	No Crack Found
	80%	204	401.30	200.02	200.04	200.02	200.04	200.02	200.04	200.04	200.02	No Crack Found
2	12%	31	60.20	200.04	200.02	200.04	200.04	200.02	200.04	200.04	200.02	No Crack Found
	80%	204	401.30	200.04	200.04	200.04	200.02	200.02	200.04	200.04	200.02	No Crack Found
3	12%	31	60.20	200.04	200.04	200.04	200.02	200.02	200.04	200.04	200.02	No Crack Found
	80%	204	401.30	200.02	200.04	200.04	200.02	200.02	200.04	200.04	200.02	No Crack Found
4	12%	31	60.20	200.02	200.04	200.02	200.04	200.02	200.04	200.02	200.04	No Crack Found
	80%	204	401.30	200.02	200.04	200.02	200.04	200.02	200.04	200.02	200.04	No Crack Found
5	12%	31	60.20	200.04	200.02	200.02	200.04	200.04	200.02	200.04	200.04	No Crack Found
	80%	204	401.30	200.04	200.04	200.02	200.02	200.04	200.04	200.04	200.04	No Crack Found
6	12%	31	60.20	200.02	200.04	200.02	200.04	200.04	200.04	200.02	200.04	No Crack Found
	80%	204	401.30	200.02	200.04	200.02	200.04	200.02	200.04	200.04	200.02	No Crack Found
7	12%	31	60.20	200.02	200.04	200.04	200.04	200.04	200.06	200.04	200.04	No Crack Found
	80%	204	401.30	200.04	200.04	200.04	200.04	200.04	200.02	200.04	200.04	No Crack Found
8	12%	31	60.20	200.04	200.06	200.04	200.04	200.04	200.04	200.02	200.04	No Crack Found
	80%	204	401.30	200.04	200.02	200.06	200.04	200.04	200.02	200.04	200.02	No Crack Found
9	12%	31	60.20	200.04	200.04	200.02	200.04	200.02	200.04	200.02	200.04	No Crack Found
	80%	204	401.30	200.04	200.02	200.04	200.04	200.04	200.04	200.02	200.04	No Crack Found
10	12%	31	60.20	200.04	200.04	200.04	200.04	200.04	200.06	200.04	200.06	No Crack Found
	80%	204	401.30	200.04	200.06	200.04	200.06	200.04	200.04	200.04	200.06	No Crack Found
11	110.00%	281	551.79	Load Sustain at Fu≥1.1Fpk and result found satisfactory. (Breaking Load 119.38% 305 kg/cm ²)								

Fu≥1.1Fpk

Result :-

S.NO.	Requirements as per FIP 1993	Yes	No
1	Crack width upon first attainment of upper force 0.8 Fpk is less than 0.10 mm	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2	Crack width upon final attainment of lower force 0.12 Fpk is less than 0.10 mm	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
3	Crack width upon final attainment of upper force 0.8 Fpk is less than 0.25 mm	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
4	Longitudinal and transverse strain have stabilized during cyclic loading & the increase of strain in the last two load cycles is less than 5%	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
5	Crack Width have stabilized during cyclic loading & the crack width does not increase by more than 0.02 mm in the last two cycles.	Yes <input type="checkbox"/>	No <input type="checkbox"/> No Crack Observed <input checked="" type="checkbox"/>
6	The measured failure load Fu meet the requirements of Fu ≥ 1.1Fpk.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

TESTED BY,
MR. KAMISH SOLANKI
ASST. MANAGER - QUALITY
DSSPL

MR. ANKIT JAIN
ASST. MANAGER - PRODUCTION
DSSPL



WITNESSED BY,
MR. RAJIV SHARMA
QA/QC EXPERT
TCAP (MAHSR ALL PACKAGES)

MR. RAJESH KUMAR ASTHANA
SR. MANAGER
(QA/QC)- MAHSR C6

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

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TEST CERTIFICATE BY IIT MADRAS (TESTING DONE AT DEEVIN SEISMIC SYSTEMS PVT. LTD.)

LABORATORY TEST REPORT
STRUCTURAL ENGINEERING LABORATORY
DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY MADRAS, CHENNAI- 600 036

Title : REPORT ON ANCHORAGE EFFICIENCY TEST - DEEVIN 19 06
Client : M/s. DEEVIN SEISMIC SYSTEMS PVT LTD

OBSERVATIONS

- Increase in displacements between anchorage components as well as between pre-stressing steel and anchorage components were proportionate to increase in tendon force
- At 80% F_{pk} the load was kept for one hour, loss of load was observed to be 160 kN (approximately 16 tonnes).
- At 96.44 % F_{pk}, around 4777.4 kN randomly all the plies of the tendon failed. (as shown in Figure 3).
- As per FIP Recommendations 5% of loss is allowable for Post- Tensioning Systems in Static load test with Tendon-Anchorage assembly.
- The mode of failure was by failure of pre-stressing steel tendon and it was NOT by the failure of anchorage components.

CONCLUSIONS

Based on the anchorage efficiency test carried out on DEEVIN 19 06 Anchorage System, the supplied specimen was loaded up to 4777.4 kN, which is about 96.44% of its full capacity.

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Anchorage Efficiency Test DEEVIN 19 06

LABORATORY TEST REPORT
MATERIAL TESTING LABORATORY
DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY INDORE

Title: REPORT ON ANCHORAGE EFFICIENCY TEST-DEEVIN 19 05
CLIENT: M/s DEEVIN SEISMIC SYSTEMS PVT LTD

- The plunger dial gauges were installed to measure the movement of the displacement of Wedge and strands.
- The initial reading on plunger gauges were recorded.
- The gauge length of the strand was measured with the help of measuring tape.
- The load was increased with the rate of 100 MPa per minute. The displacement of Wedge and strand, and Jack-Ram were recorded at load steps of 0.2 F_{pk}.
- At 80% F_{pk}, the load was transferred to the test frame and was held for one hour.
- For every 15 minutes, wedge/strand readings were taken to ensure stabilization.
- After one hour, the load was gradually increased until failure of the tendon (F_{TU}).

OBSERVATIONS

- The displacement in Wedge and strands vary linearly with enhancement in load.
- After holding the load of 80% F_{pk} for one hour, the pressure drop was around 6 Kg/cm², equivalent to the load-drop of 2.66 KN.
- At 100.31 %F_{pk}, (around 3501.12 KN), the plies of the tendon failed randomly as shown in Figure 3.
- As per FIP recommendations, 5% of the loss in the Breaking load of the tendon is allowable for post-tensioning system in static load test with tendon-anchorage assembly.
- The mode of failure was by the failure of pre-stressing steel tendon, and it was NOT by the failure of anchorage components.

CONCLUSIONS

Based on the anchorage efficiency test carried out on DEEVIN 19 05 Anchorage System, the specimen was loaded up to 3501.12 KN, about 100.31 % of its full capacity. Therefore, DEEVIN 19 05 Anchorage System is acceptable as per FIP - 1993 recommendations.

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Date: 08.06.2021 pg. 4

Anchorage Efficiency Test DEEVIN 12 06

LABORATORY TEST REPORT
STRUCTURAL ENGINEERING LABORATORY
DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY MADRAS, CHENNAI- 600 036

Title : REPORT ON DYNAMIC LOAD TEST ON 15.2mm MULTI-STRAND ANCHORAGE SYSTEM
Client : M/s. DEEVIN SEISMIC SYSTEMS PVT LTD

Table - I. LVDT Readings Before and After Two Million Cycles

Load in (kN)	Wedge in mm		Strand in mm	
	LVDT 1	LVDT 2	LVDT 1	LVDT 2
0	0	0	0	0
1251.36	1.795	3.084	4.043	3.068
After 2 million cycles				
1251.36	2.031	3.390	4.556	3.443

2. Dynamic Load Test

When using the Dynamic load cyclic test, no distress was observed in the wedges and the anchorage system after 2 million cycles indicating the satisfactory fatigue performance of strand, wedges and anchorage system.

CONCLUSION:

Fatigue (Dynamic) load test of 15.2mm Multi-strand Anchorage Assembly was carried out as per FIP recommendations. 15.2mm Multi-strand assembly supplied by the client has passed the test requirements as per FIP recommendations with regards to the fatigue load test. However, the fatigue performance of strand, wedges and the anchorage system is satisfactory.

Date:- 01-12-2020

Dr. G. APPA RAO
Professor

Fatigue Test Report on Anchorage System
15.2MM

LABORATORY TEST REPORT
MATERIAL TESTING LABORATORY
DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY INDORE

Title: REPORT ON ANCHORAGE EFFICIENCY TEST-DEEVIN 19 05
CLIENT: M/s DEEVIN SEISMIC SYSTEMS PVT LTD

- The plunger dial gauges were installed to measure the movement of the displacement of Wedge and strands.
- The initial reading on plunger gauges were recorded.
- The gauge length of the strand was measured with the help of measuring tape.
- The load was increased with the rate of 100 MPa per minute. The displacement of Wedge and strand, and Jack-Ram were recorded at load steps of 0.2 F_{pk}.
- At 80% F_{pk}, the load was transferred to the test frame and was held for one hour.
- For every 15 minutes, wedge/strand readings were taken to ensure stabilization.
- After one hour, the load was gradually increased until failure of the tendon (F_{TU}).

OBSERVATIONS

- The displacement in Wedge and strands vary linearly with enhancement in load.
- After holding the load of 80% F_{pk} for one hour, the pressure drop was around 6 Kg/cm², equivalent to the load-drop of 2.66 KN.
- At 100.31 %F_{pk}, (around 3501.12 KN), the plies of the tendon failed randomly as shown in Figure 3.
- As per FIP recommendations, 5% of the loss in the Breaking load of the tendon is allowable for post-tensioning system in static load test with tendon-anchorage assembly.
- The mode of failure was by the failure of pre-stressing steel tendon, and it was NOT by the failure of anchorage components.

CONCLUSIONS

Based on the anchorage efficiency test carried out on DEEVIN 19 05 Anchorage System, the specimen was loaded up to 3501.12 KN, about 100.31 % of its full capacity. Therefore, DEEVIN 19 05 Anchorage System is acceptable as per FIP - 1993 recommendations.

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Date: 08.06.2021 pg. 4

Anchorage Efficiency Test DEEVIN 19 05



TEST CERTIFICATE BY IIT MADRAS (TESTING DONE AT DEEVIN SEISMIC SYSTEMS PVT. LTD.)

LABORATORY TEST REPORT
STRUCTURAL ENGINEERING LABORATORY
DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY MADRAS, CHENNAI- 600036

Title : REPORT ON LOAD TRANSFER TEST ON DEEVIN 1905 SYSTEM
Client : M/s. DEEVIN SEISMIC SYSTEMS. Date of Testing: 25th March 2021

OBSERVATIONS

- Crack width of size 0.10mm was found upon first attainment of upper force $0.8F_{pk}$ (Load step 4).
- Crack width of size 0.10mm was found at last attainment of lower force $0.12F_{pk}$ (Load Point n-1).
- Crack width of size 0.20mm was found at final attainment of upper force $0.8F_{pk}$ (Load Point n).
- Readings of longitudinal and transverse strains have stabilised during cyclic loading.
- Measured load at the time of stopping testing was 3850 kN, i.e., $F_u = 110\%$ ($\geq 110\%$ as per FIP)

CONCLUSION

Based on the tests carried out on the Deevin 1905 anchorage system, it is found that the anchorage system satisfies the FIP recommendations for the acceptance of post-tensioning systems.

Prof. G. Appa Rao
Project Co-ordinator

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LOAD TRANSFER TEST ON DEEVIN 19 05 SYSTEM

LABORATORY TEST REPORT
STRUCTURAL ENGINEERING LABORATORY
DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY MADRAS, CHENNAI- 600036

Title : REPORT ON LOAD TRANSFER TEST ON DEEVIN 1906 SYSTEM
Client : M/s. DEEVIN SEISMIC SYSTEMS. Date of Testing: 26th March 2021

OBSERVATIONS

- Crack width of size 0.10mm was found at first attainment of upper force $0.8F_{pk}$ (Load step 4).
- Crack width of size 0.10mm was found at last attainment of lower force $0.12F_{pk}$ (Load Point n-1).
- Crack width of size 0.175mm was found at final attainment of upper force $0.8F_{pk}$ (Load Point n).
- Readings of longitudinal and transverse strains have stabilised during cyclic loading.
- Measured load at time of stopping testing was 5450 kN, i.e., $F_u = 110\%$ ($\geq 110\%$ as per FIP)

CONCLUSION

Based on the tests carried out on Deevin 1906 anchorage system, it is found that the anchorage system satisfies the FIP recommendations for the acceptance of post-tensioning systems.

Prof. G. Appa Rao
Project Co-ordinator

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LOAD TRANSFER TEST ON DEEVIN 19 06 SYSTEM

LABORATORY TEST REPORT
STRUCTURAL ENGINEERING LABORATORY
DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY MADRAS, CHENNAI- 600036

Title : REPORT ON LOAD TRANSFER TEST ON DEEVIN 2206 SYSTEM
Client : M/s. DEEVIN SEISMIC SYSTEMS. Date of Testing: 29th March 2021

OBSERVATIONS

- Crack width of size 0.10mm was found at first attainment of upper force $0.8F_{pk}$ (Load step 4).
- Crack width of size 0.05mm was found at last attainment of lower force $0.12F_{pk}$ (Load Point n-1).
- Crack width of size 0.125mm was found at final attainment of upper force $0.8F_{pk}$ (Load Point n).
- Readings of longitudinal and transverse strains stabilised during cyclic loading.
- Loading was stopped after reaching maximum capacity of the machine (5886 kN, i.e., $F_u = 103\%$) and the specimen was observed to be intact.

CONCLUSION

Based on the tests carried out on the Deevin 2206 anchorage system, it is found that the anchorage system satisfies the FIP recommendations for the acceptance of post-tensioning systems.


Prof. G. Appa Rao
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LOAD TRANSFER TEST ON DEEVIN 22 06 SYSTEM




POT Bearing Testing Certificate from IIT Madras **FIX POT PTFE BEARING**

 DEPARTMENT OF CIVIL ENGINEERING INDIAN INSTITUTE OF TECHNOLOGY, MADRAS CHENNAI-600 036.	
Name of the Project :	Testing of Fixed POT cum PTFE Bearing
Client :	M/s. Deevin Seismic Systems Pvt Ltd, Plot No.73-B, sector-c, Industrial Area, Mandideep - Raisen M.P.
Job No. :	Your Mail dated 01.09.2020.
Consultant :	Dr. G. APPA RAO Professor Department of Civil Engineering Indian Institute of Technology Madras Chennai - 600 036.

The report deals with the "Testing of Fixed POT cum PTFE Bearing of capacity 124.429 Mt". Submitted by M/s Deevin Seismic Systems Pvt Ltd, Mandideep - Raisen M.P. The Test Consist of vertical load test and Rotation test. This report contains **Three** pages.

Date : 12.12.2020


 12/12/2020
Dr. G. APPA RAO
 Professor
 Department of Civil Engineering
 Indian Institute of Technology Madras
 Chennai - 600 036, India

INTRODUCTION

M/s Deevin Seismic Systems Pvt Ltd, Mandideep - Raisen M.P, through email dated 01/09/2020 approached the Indian Institute of Technology Madras for "Testing of Fixed POT cum PTFE Bearing of capacity 124.429 Mt". The Indian Institute of Technology Madras represented by Dr. G. Appa Rao, Professor (Structural Engineering Laboratory) agreed to perform vertical load, rotation and combined loading on POT cum PTFE Bearings. Accordingly, three tests were carried out in accordance with IRC 83 (part III) specifications.

Design Vertical Load : 124.429 T
 Design Horizontal Load : 16.70 T
 Test Load : 155.536 T (1.25 times of Design Vertical Load)
 Specification : IRC 83 (Part-III)-2002

The axial load was applied through a Compression Testing Machine of capacity 6000 kN and the horizontal load was applied using jack with reaction frame. All the measuring devices were well calibrated at the time of testing as per standards.


1. VERTICAL LOAD TEST

The bearing was placed centrally and aligned well under compression testing machine. Initially load was applied up to 1.25 times the design vertical load (Test load) under compression testing machine. The corresponding deflection was recorded. This load was maintained for 30 minutes and then the deflection was again measured. Four dial gauges were placed at four corners of the bearing for measuring deflection. The vertical deflection under sustained load shall be not more than 4.0% of thickness of elastomeric pad. After complete unloading, bearings were visually verified for cracks, scoring or any other defects.

RESULT

S.No	Load (T)	Average Deformation (mm)
1	155.536	0.99
After 30 minutes, reading was taken under same load		
2	155.536	1.01

Thickness of elastic pad = 20 mm
 Permissible vertical deflection = 0.8 mm
 Increase in vertical deflection under sustained load = 0.02 mm
 Visual verification - test passed under vertical loading


 12/12/2020
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 Indian Institute of Technology Madras
 Chennai - 600 036, India

2. ROTATION TEST

The rotation test was performed on bearings for design rotation under design vertical load. Vertical load was applied under a compression testing machine up to reaching its design vertical load.

RESULT

S. NO	Design Load (T)	Observation
1	0	Gap under top edge of cylinder and bottom edge of piston is greater than 5.0mm
2	124.43	

Visual verification - o.k.

3. COMBINE LOAD TEST


The bearing was placed centrally and aligned well under a compression testing machine. Initially the load was applied up to load of 1.1 times design vertical load (Test load) in a compression testing machine. After that, load of 1.1 times design horizontal load was applied, which was held for 30 minutes. Two dial gauges were placed for measuring deflection in horizontal axis. After complete unloading, bearings were visually verified for cracks, scoring or any other defects.

RESULT

Visual verification - Test passed under combined loading.


CONCLUSION

The tests conducted on bearings have been found to satisfactory, passing the relevant acceptance criteria specified in IRC 83 (part III) - 2002.


 12/12/2020
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FREE FLOAT POT PTFE BEARING



**DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY, MADRAS
CHENNAI-600 036.**

Name of the Project : Testing of Free POT cum PTFE Bearing


Client : Deevin Seismic Systems Pvt Ltd,
Plot No.73-B, sector-c, Industrial Area,
Mandideep - Raisen M.P.

Job No. : Your Mail dated 01.09.2020.

Consultant : Dr. G. APPA RAO
Professor
Department of Civil Engineering
Indian Institute of Technology Madras
Chennai - 600 036.

The report deals with the "Testing of Free POT cum PTFE Bearing of capacity 124.429 Mt". Submitted by M/s Deevin Seismic Systems Pvt Ltd, Mandideep - Raisen M.P. The Test Consist of vertical load test, Rotation test and friction test. This report contains Four pages.

Date : 06.11.2020


 Dr. G. APPA RAO
 Professor
 Department of Civil Engineering
 Indian Institute of Technology Madras
 Chennai - 600 036, India

INTRODUCTION

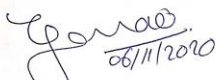
M/s Deevin Seismic Systems Pvt Ltd, Mandideep - Raisen M.P, through Mail dated 01/09/2020 approached the Indian Institute of Technology Madras for "Testing of Free POT cum PTFE Bearing of capacity 124.429 Mt". The Indian Institute of Technology Madras represented by Dr. G. Appa Rao, Professor (Structural Engineering Laboratory) has agreed to undertake the above work and conducted vertical load, rotation and friction test on the POT cum PTFE Bearings. Accordingly three tests were carried out in accordance with IRC 83 (part III) specifications.

Design Vertical Load : 124.429 T
 Test Load : 155.536 T (1.25 times of Design Vertical Load)
 Specification : IRC 83 (Part-III)-2002

The axial load was applied through a Compression Testing Machine of capacity 6000 kN and the horizontal load was applied using jack with reaction frame. All the measuring devices were well calibrated at the time of testing as per standards.

1. VERTICAL LOAD TEST

The bearing was placed centrally and aligned well under a compression testing machine. Initially the load was applied upto a load of 1.25 times the design vertical load (Test load) under a compression testing machine. The corresponding deflection was noted. This load was held for 30 minutes. The deflection was again measured after 30 minutes. Four number of dial gauges were placed at four corners of the sample for measuring deflection. The vertical deflection under sustained load shall be not more than 4 % of the thickness of elastomeric pad. After complete unloading the bearings were visually verified for cracks, scoring or any other defects.


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RESULT

S. No	Load (T)	Average Deformation (mm)
1	155.536	0.95
After 30 minutes, the reading was taken under same load		
2	155.536	0.98

Thickness of elastic pad = 20 mm
 Permissible vertical deflection = 0.8 mm
 Increase in vertical deflection under sustained load = 0.03 mm
 Visual verification - o.k.

2. ROTATION TEST

The rotation test was performed on the bearings for design rotation under design vertical load. The vertical load was applied under a compression testing machine till it reaches the design vertical load.


RESULT

S. NO	Design Load (T)	Observation
1	0	Gap under top edge of cylinder and bottom edge of piston is greater than 5.0mm
2	124.43	

Visual verification - o.k.


3. FRICTION TEST

A pair of bearing samples was tested under each category. The samples were oriented such that the top plate was free to move in the direction of horizontal force applied using a hydraulic jack. The design vertical load was applied and held constant till sliding occurs due to horizontal load. The corresponding horizontal load was recorded. After unloading the bearings were removed off and visually examined for any defects.


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GUIDED POT PTFE BEARING



DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY, MADRAS
CHENNAI-600 036.


Name of the Project : **Testing of Guided POT cum PTFE Bearing**

Client : **M/s. Deevin Seismic Systems Pvt Ltd,
Plot No.73-B, sector-c, Industrial Area,
Mandideep - Raisen M.P.**

Job No. : **Your Mail dated 01.09.2020.**

Consultant : **Dr. G. APPA RAO
Professor
Department of Civil Engineering
Indian Institute of Technology Madras
Chennai - 600 036.**

The report deals with "Testing of Guided POT cum PTFE Bearing of capacity 124.429 Mt". Submitted by M/s Deevin Seismic Systems Pvt Ltd, Mandideep - Raisen M.P. The Test Consist of vertical load test, Rotation test and friction test. This report contains **four** pages.


Dr. G. APPA RAO
 Professor
 Department of Civil Engineering
 Indian Institute of Technology Madras
 Chennai - 600 036, India

Date : 12.12.2020

INTRODUCTION

M/s Deevin Seismic Systems Pvt Ltd, Mandideep - Raisen M.P, through Mail dated 01/09/2020 approached the Indian Institute of Technology Madras for "Testing of Guided POT cum PTFE Bearing of capacity 124.429 Mt". The Indian Institute of Technology Madras represented by Dr. G. Appa Rao, Professor (Structural Engineering Laboratory) agreed to undertake the above work and conducted vertical load, rotation, friction and combined load tests on POT cum PTFE Bearings. Accordingly, four tests were carried out in accordance with IRC 83 (part III) specifications.

Design Vertical Load : 124.429 T
 Design Horizontal Load : 16.70 T
 Test Load : 155.536 T (1.25 times of Design Vertical Load)
 Specification : IRC 83 (Part-III)-2002

The axial load was applied through a Compression Testing Machine of capacity 6000 kN and the horizontal load was applied using jack with reaction frame. All the measuring devices were well calibrated at the time of testing as per standards.


1. VERTICAL LOAD TEST

The bearing was placed centrally and aligned well under a compression testing machine. Initially the load was applied up to a load of 1.25 times design vertical load (Test load) under compression testing machine. The corresponding deflection was noted. Load was maintained for 30 minutes and then the deflection was again measured. Four dial gauges were placed at four corners of the bearing for measuring deflection. Vertical deflection under sustained load shall be not more than 4.0% of thickness of elastomeric pad. After complete unloading, bearings were visually verified for cracks, scoring or any other defects.

RESULT

S. No	Load (T)	Average Deformation (mm)
1	155.54	0.35
After 30 minutes, the reading was taken under same load		
2	155.54	0.38

Thickness of elastic pad = 20 mm
 Permissible vertical deflection = 0.8 mm
 Increase in vertical deflection under sustained load = 0.03 mm
 Visual verification – test passed under vertical load.


Dr. G. APPA RAO
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 Chennai - 600 036, India

2. ROTATION TEST

Rotation test was performed on bearings for the design rotation under design vertical load. Vertical load was applied under compression testing machine till it reaching the design vertical load.

RESULT

S. NO	Design Load (T)	Observation
1	0	Gap under top edge of cylinder and bottom edge of piston is greater than 5.0mm
2	124.43	

Visual verification – bearing passed the rotation test.

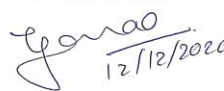
3. FRICTION TEST

A pair of bearings was tested under each category. The bearings were oriented such that top plate was free to move in direction of horizontal force applied using a hydraulic jack. The design vertical load was applied and maintained constant till sliding occurs due to horizontal load. Corresponding horizontal load was recorded. After unloading, bearings were removed off and visually examined for any defects.

RESULT

S. No	Vertical Load (T)	Horizontal Load (T)	Frictional Coefficient (μ)	Permissible Value
1	124.43	0.74	0.0059	0.02

As per IRC 83 (Part III) – 2002, value of co-efficient of friction shall not exceed $2/3^{rd}$ of value specified in clause 926.2.4.2 depending on actual average pressure on PTFE due to applied design vertical load. Calculated value of coefficient of friction is less than the permissible value.


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DEEVIN'S LAB EQUIPMENTS

UNIVERSAL TESTING MACHINE 250 KN – MAKE ZWICKROELL



DEEVIN SEISMIC SYSTEMS PVT. LTD.
Print date: 04.11.2020

Test report

Customer : Notes :
Job no. : Pre-load : 500 N
Test standard : Test speed : 20 mm/min
Specimen type :

Test results:

Legend	No.	Specimen ID	Type	Note	F (2%) kN	F _u kN	ε _u %	b cm
—	1	GEOSTRAP 50 KN TRIAL	GPM-	8.14	54.2	10.9	90	
—	2	GEOSTRAP 50 KN TRIAL	GPM-	8.64	53.1	11.1	90	
—	3	GEOSTRAP 50 KN TRIAL	GPM-	8.38	54.2	10.8	90	
—	4	GEOSTRAP 50 KN TRIAL	GPM-	7.68	53.7	11.4	90	
—	5	GEOSTRAP 50 KN TRIAL	GPM-	8.45	54.5	11.1	90	
—	6	GEOSTRAP 50 KN TRIAL	GPM-	6.63	54.1	12.0	90	
—	7	GEOSTRAP 50 KN TRIAL	GPM-	8.16	53.7	10.7	90	
—	8	GEOSTRAP 50 KN TRIAL	GPM-	8.45	55.0	11.0	90	
—	9	GEOSTRAP 50 KN TRIAL	GPM-	6.67	54.3	11.5	90	
—	10	GEOSTRAP 50 KN TRIAL	GPM-	7.37	54.6	11.0	90	

Series graph:

OZONE CHAMBER MAKE -EKTRON



EKTRON_OZ Test

File(F) Edit(E) View(V) Setup(S) Test(T) Help(H)

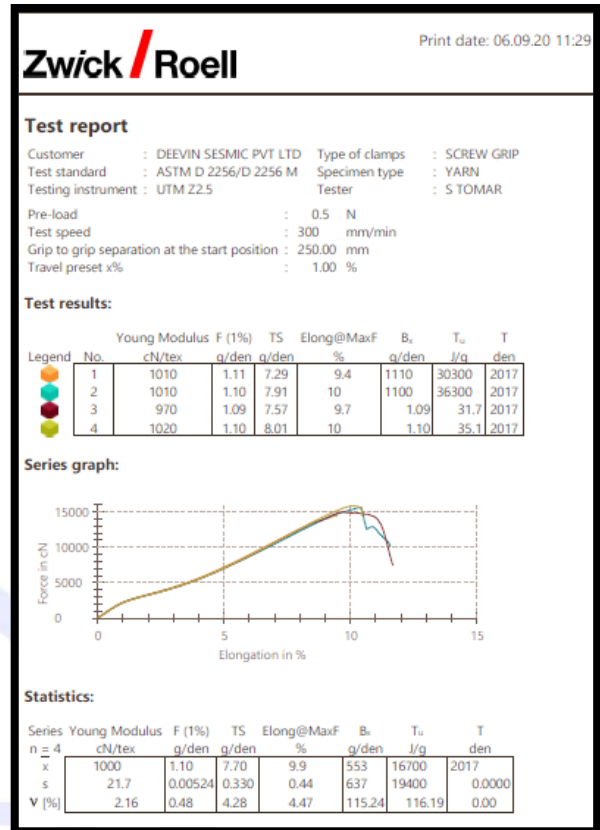
Print Test Spec. Stop Start test Pause Lock

Test Spec. display 1 Test Spec. display 2 Test Spec. display 3

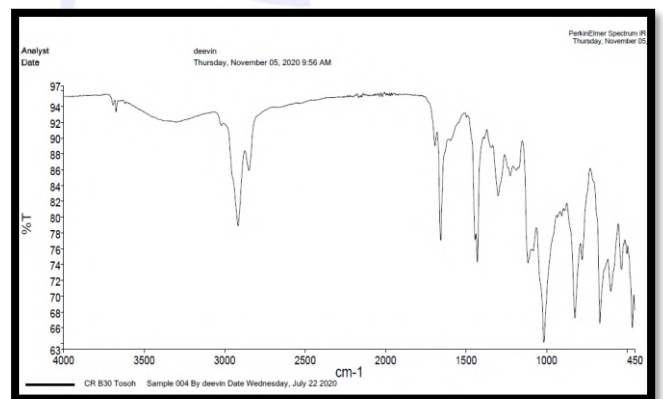
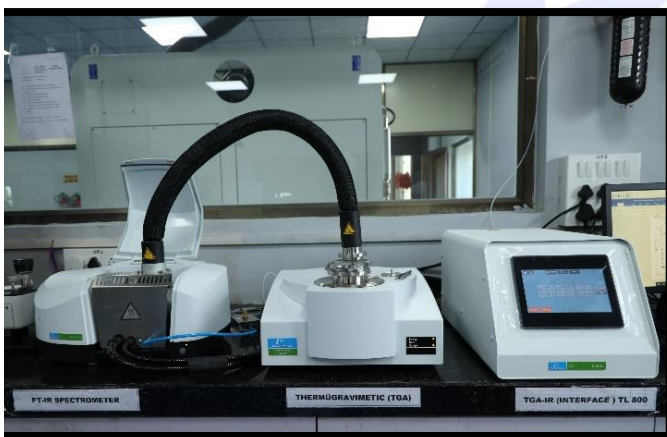
ID No.: EB-PAD OZ: 102.30 pphm Test time: 44:52:45
Time set: 09:00:00 Temperature: 40.00 °C
Batch No.: 1 Humidity: 0.00



UNIVERSAL TESTING MACHINE 2.5 KN MAKE – ZWICKROELL



FT-IR SPECTROMETER MAKE – PERKIN-ELMER



Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

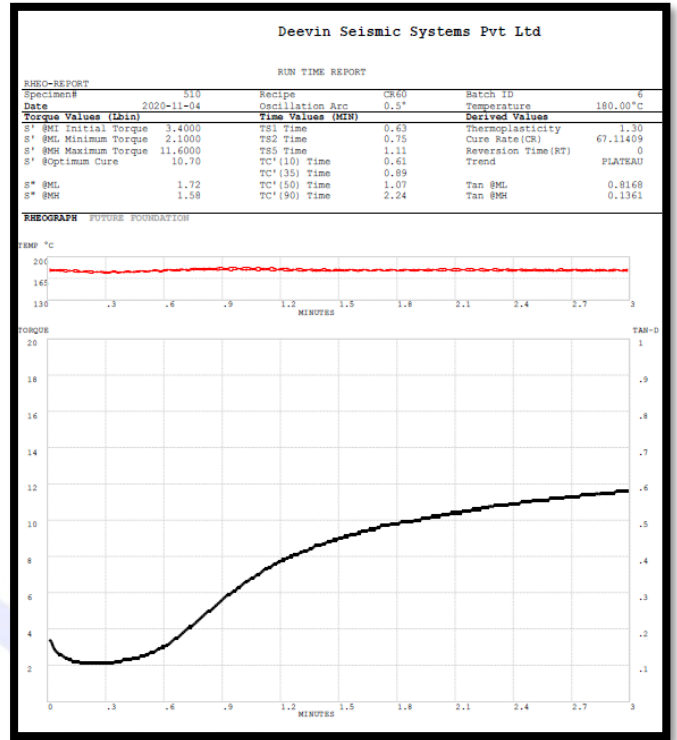
Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



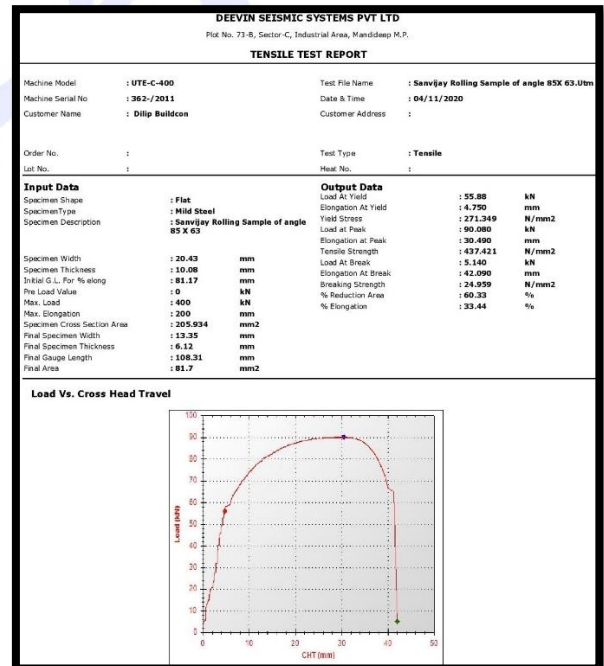
DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

MOVING DIE RHEOMETER FOR RUBBER COMPOUNDS TESTING



UNIVERSAL TESTING MACHINE 400 KN



Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



1200 TONS HYDAULIC PRESS FOR BRIDGE BEARINGS TESTING.

TEST PERFORMED

- 1) VERTICAL LOAD TEST.
- 2) COMBINED (V.L.+ H.L.) LOAD TEST
- 3) ROTATION TEST.
- 4) CO-EFFICIENT OF FRICTION TEST.
- 5) SHEAR STRIPPING TEST.
- 6) SHEAR MODULUS TEST.
- 7) ELASTIC MODULUS TEST.

❖ **Own Manufacturing Unit:** We have our own manufacturing in the premises of 12,402 Sq Mtr. which is 25 Km away from Bhopal and well connected via Road, Air & Train.

❖ **In-house Design Team, R&D Department & Quality Control Team:** We have a dedicated team for Design, R&D and Quality who are well specialized for their respective fields.

❖ **Reasonable Price, Best Quality & Prompt Service:** With respect to quality, we offer the best price along with committed services.

❖ **We have completed remarkable 500+ Project** throughout India.

❖ **Huge list of Repeated and Satisfied Clients.**

❖ **We can give Performance Guarantee of our Products from 5 Years to Lifetime of Structure.**

❖ **Last but not the least, we have fully equipped In-House Testing Labs in our Factory.**



MORTH APPROVAL

Appendix-A

- List of firms empanelled by the Ministry as Local Manufacturer of various type of expansion joints under appropriate license and technical collaboration with the foreign principal of repute.

Sl.No.	Name & Address of the Local Manufacturer	Name & Address of foreign Principal	Type of expansion joints	Detail of item to be imported	Valid upto
1	M/s Deevin Seismic Systems Pvt. Ltd, Bhopal	M/s D.S Techstar INC, USA	i) Strip Seal	None	31 st Dec 2018
			ii) Compression Seal	None	
2	M/s Hercules Structural Systems Pvt. Ltd., Delhi	M/s Hercules Engineering, (SEA) Sdn, Malaysia	i) Strip Seal	None	
			ii) Compression Seal	None	
3	M/s Sanfield India Limited, Bhopal	M/s Maurer Sohne GmbH & Co., Germany	i) Single Strip Seal	i) Elastomeric Seal	
			ii) Modular Strip Seal	i) Control Mechanism ii) Upper & Lower support Bearings iii) Elastomeric Seal	
4	M/s Metal Engineering & Treatment Co. Pvt. Ltd., Kolkata.	M/s D.S TechStar, Inc, Ohia, USA.	i) Modular Strip Seal	i) Slide Springs ii) Slide Bearings iii) Center Beam iv) Support Bar v) Equal Distance Assemblies (Nylon Rods, Black Washers, Urethane Springs)	
5	M/s Mageba Bridge Products Pvt. Ltd., Kolkata	M/s Mageba SA Bulach, Switzerland	i) Single Strip Seal	None	
			ii) Modular Strip Seal	i) Control Spring ii) Sliding Spring (Joist box, Frame) iii) Sliding Bearing (Joist box, Frame) iv) Sliding Shoe v) Lamella Beam vi) Transverse Beam	
6	M/s Kanta Rubber Pvt. Ltd., Hyderabad	M/s CNBM International Corporation, China	i) Strip Seal	i) Steel edge Beam	
			ii) Compression Seal	ii) Steel Beam	

02/17/18



ANNEXURE -III


List of firms empanelled as manufacturing firms/authorized suppliers of Steel (Rocker, Roller & Rocker Cum Roller) Bearing for Bridges on National Highways and other Centrally Sponsored Schemes

Sl No.	Name of the Firm	Office Address And Telephone Number
1	J. Sons Engineering Corporation(India), Meerut	J Sons House, Garh Road, Meerut-250 002. # 0121-2603305/07, # 9837057568, Fax-0121-2760797, Email: info@jsonsbearings.com
2	J.K Prestressing Co. Yamuna Nagar	Tirlokpur Road, Near Engineering College, Kalamb, Dist. Sirmaur, Himachal Pradesh # 9812003121/9812050180/9355001414
3	Sneha Bearings Pvt. Ltd, Pune	Plot No. X-11, General Block, M.I.D.C, Bhosari, Pune -411026 02027120914,20274017, Mob:8007772130 Email: Sales@shenabearings.com
4	Construction Equipment Co. Meerut	C-6, Shastri Nagar, Meerut 250 005, # 0121-4026114 Mob: 09837032165, Fax: 0121-1004210 Email: cecobearings@gmail.com
5	Sanfield (India) Limited, Bhopal	13-A, D-Sector, Industrial Area, Govindpura, Bhopal # 0755-2602661-2-4-5, Mob: 09826082179, 09893030774
6	Steel Auto Industries , Yamuna Nagar	Hotel J.K. Residency, Residency Road, Yamuna Nagar 135 001 # 01732-294197-98, # 9812003121, 9812050180,9355001414
7	Mageba Bridge Products Pvt Ltd, Kolkata	45, Jhowtala Road (3 rd Floor), Kolkata 700 019 # 033-22900250-53,09836837737, Fax:033-22900254
8	Hercules Structural Systems Pvt. Ltd, New Delhi	B-2, DSIDC Complex, Patparganj Industrial Area,Delhi-110 092. # 011 65256639
9	Metal Engineering & Treatment Company Pvt. Ltd., Kolkata	Motilal Basak Gardens, Kolkata-700054, # 033-2359-2312 Mob:09433036103
10	Dynamic Prestress (I) Pvt. Ltd., Navi Mumbai	64, Mahavir Centre, Sector 17, Vashi, Navi Mumbai, # 022 27892628/27891310, Mob:9820217387
11	Vigyashree Sharoda Infrastructure Ltd(VSIL), Bhopal	HIG-20, Shivaji Nagar, Bhopal, MP- 462 016.
12	Deevin Seismic Systems Pvt. Ltd., Bhopal	E-4/249, Arera Colony, Bhopal-462016 Ph:0755-4058286



RDSO APPROVAL

File No.RDSO-BnS0EBS(INSP)/68/2020-O/o ED/BnS/RDSO

<p>टेलीफोन / Tele DOT-2465705(O) 2452426(Res.) रेड्यु. 42122(O) 43122(Res.) फैक्स / Fax:01-0522-2465705 E-mail: dsb2rdsso@gmail.com</p>	 सत्यमेव जयते	<p>भारत सरकार-रेल मंत्रालय अनुसंधान अभिकल्प और मानक संगठन कमरा नं० 223, एनेक्सी-बिल्डिंग, मानकनगर, लखनऊ - 226011 Room No. 223, Annex-II Building, Research Design & Standards Organisation (Government of India-Ministry of Railways) Manak Nagar, Lucknow- 226011.</p>
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No: CBS/PBEJ/Reg/Deevin Seismic **Date:** 27.09.2023

M/s. Deevin Seismic Systems Private Limited
Plot No. 73-B, Sector-C,
Mandideep, Raisen MP

Sub: Continuation in the approved list of RDSO for fabrication of Elastomeric & POT-PTFE bearings and Expansion Joint with work address at Plot No. 73-B, Sector-C, Mandideep, Raisen MP.

- Based on Quality Audit of the infrastructure, T&P and other facilities installed at your work address at Plot No. 73-B, Sector-C, Mandideep, Raisen MP, your firm registration is hereby continued in the approved list of RDSO for fabrication of Elastomeric & POT-PTFE bearings and Expansion Joint.
- Any change in the address of your office or manufacturing units shall be brought to the notice of Director General/B&S, RDSO, Lucknow. You are liable to be dropped from the approved list if your product is found unsatisfactory at any stage of fabrication and inspection or on any other violation as mentioned in ISO documents.
- This continuation in the approved list of RDSO will be valid for a period up to **31.10.2029**. Next quality audit shall be initiated as per RDSO ISO document No. QO-D-8.1-13.
- The further continuation in the approved list of RDSO will be subject to Quality Audit which generally will be initiated after three years from the previous quality audit. However, if special condition warrants, Quality Audit may be conducted earlier also.
- It is the responsibility of the firm to facilitate the RDSO Team for conducting Quality Audit as & when required.

Please acknowledge receipt of the letter.

(Pradeep Kumar)
Director/ B&S-II
For Director General/B&S

Copy forwarded for information and necessary action to:

- Chief Bridge Engineer:
 - Central Railway, Mumbai CST-400 001.
 - Eastern Railway, Fairlie Place, Kolkata-700 001.
 - East Central Railway, Hazipur-844 101
 - East-Coast Railway, Bhubaneshwar-751 016.
 - Northern Railway, Baroda House, New Delhi-110 001
 - North-Central Railway, Allahabad-211 001.
 - North Eastern Railway, Gorakhpur-273 001
 - North-Western Railway, Jaipur-302 001.
 - Northeast Frontier Railway, Maligaon, Guwahati-781 061
 - Southern Railway, Park Town, Chennai-600 003.

Digitally Signed by Pradeep Kumar
Date: 17-10-2023 11:47:45
Reason: Approved



FOREIGN ASSOCIATES APPROVAL FOR STRIP SEAL EXPANSION JOINT

December 20, 2017



The Chief Engineer,
Standards and Research (Bridges),
For Director General (Road development),
And Special Secretary,
Transport Bhavan, #1, Parliament Street,
New Delhi - 110001, India

SUB: EMPANELMENT OF MANUFACTURING FIRM/AUTHORISED SUPPLIERS OF EXPANSION JOINTS FOR BRIDGES ON NATIONAL HIGHWAYS AND OTHER CENTRALLY SPONSERED SCHEMES.

Reg: Empanelment of M/s. Deevin Seismic Systems Pvt. Ltd as **authorized manufacturer/ supplier of Compression Seal and strip seal expansion joints** of M/s. TechStar Inc., USA.

Dear Sir,

This letter is to clarify that M/s. Deevin Seismic Systems Pvt. Ltd is an authorized Sole selling agent of TechStar in India for Strip Seal and compression Seal Expansion Joints In India. Following point agreed between us:

- 1) That the Principal appoint M/s Deevin Seismic Systems Pvt. Ltd as the sole selling Agent for whole India for Compression Seal & Strip Seal Expansion Joints and the said Agent will have the right to Manufacture, Fabricated Edge Beam and other accessories locally in India as directed by the principal and authority to procure orders directly or indirectly for the referred products in India.
- 2) That the Agent shall be appointed from the 5th day of August 2008 and shall remain till December 31, 2019.
- 3) That the Fabricated item may also be import and/or Export by the Principal from India at the cost what ever been decided between Agent and Principal.

TechStar will support Deevin for selling the above referred products during this time, it is very much possible that a new agreement can be reached depend upon M/s. Deevin performance.

D.S. TechStar Inc, USA


TechStar, Inc.

D. Stephen Brown
President

D.S. TechStar, Inc. • 1219 West Main Cross Street Findlay, Ohio, USA 45840
Telephone: 419-424-0888 • Facsimile: 419-424-5959 • www.techstar-inc.com



FOREIGN ASSOCIATES FOR BEARINGS

 **PG Systemtechnik**
Gleitlagertechnik
bearing technology
www.pgtec.de

PG Systemtechnik • Brüsseler Allee 21e • 41812 Erkelenz

TECHNOLOGY & PRODUCT EXCHANGE
AGREEMENT

This agreement is made on 18/10/2017 between

M/s. PG SYSTEMTECHNIK GMBH & CO. KG, having office at Brüsseler Allee, 21e, 41812, Erkelenz, Germany, who is manufacture of POT PTFE Bearings/ Sliding Spherical Bearing made from PTFE / UHMWPE and other Bridge / Structure Products used in Bridges & Civil Engineering Work,

AND

M/s. Deevin Seismic Systems Pvt. Ltd., having office at PLOT # 73 B, SECTOR-C, Industrial Area, Mandideep - 462 040, Raisen, India, who is the manufacturing cum marketing firm of Bridge Bearings, Bridge Expansion Joints & Building Seismic Expansion joints in and around India,

Whereas the **PG Systemtechnik GmbH & Co. KG** is into Design, Manufacturer, supplier and site service provider of various types of Bridge Bearing in Germany.

Whereas Deevin Seismic Systems Pvt. Ltd is into Design, Manufacturer, supplier and site service provider of various types of Bridge Expansion joints, Bridge Bearing, Building Expansion Joints in India.

This agreement between the two giant company to come together into Design, manufacture and sharing knowledge about sliding spherical bearing made from modified PTFE/UHMWPE and supply each other the finish Bearings or parts/accessories used in Spherical Bearings. Initially this agreement is limited to spherical sliding bearing but later on its quite possible to extend the product range, for that separate letter/agreement will issue.

Representative of PG Systemtechnik GmbH & co. can visit Deevin's Office /manufacturing unit any time to share knowledge, technology or inspection of Bearings, accessories etc. and similarly representative of Deevin can visit PG Systemtechnik Office/manufacturing unit any

PG Systemtechnik GmbH & Co. KG
Brüsseler Allee 21e
41812 Erkelenz
Germany
Tel.: +49 2431 9745671
Fax: +49 2431 9745673
info@pgtec.de

HRA 6699 AG Mönchengladbach
USt-IdNr DE 274449862
Pers. haftende Gesellschafterin:
PG Systemtechnik Verwaltungs GmbH
HRB 14153 AG Mönchengladbach
Geschäftsführer: Dipl.-Kfm. Klaus Sasserath

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



PG Systemtechnik • Brüsseler Allee 21e • 41812 Erkelenz

Page 2 of agreement dated 18/10/2017

time to share knowledge, technology or inspection of Bearings, accessories etc. All expenses of visit will be borne by themselves.

This agreement is about sharing Product specifications/Test certificates/code exchange of technology /catalogue/new development and testing of material in Germany or in India depend upon the requirement of each other all testing charges of product will be borne by the manufacture or who want to conduct testing about the product.

Whereas the both party (PG Systemtechnik GmbH & Co. KG) and Deevin Seismic Systems Pvt. Ltd. agrees this arrangement and their legal representatives hereunto set their hands on this day in presence of witness signed below.

Note this agreement can not to challenge in any court of India/Germany and all disputes shall be solved mutually before proceeding legal action.

Deevin Seismic Systems Pvt. Ltd.

Director

PG Systemtechnik
GmbH & Co. KG

Managing Director
Klaus Sasserath

PG Systemtechnik GmbH & Co. KG
Brüsseler Allee 21e
41812 Erkelenz
Germany
Tel.: +49 2431 9745671
Fax: +49 2431 9745673
info@pgtec.de

HRA 8699 AG Mönchengladbach
USt-IdNr. DE 274449682
Pers. haltende Gesellschafterin:
PG Systemtechnik Verwaltungs GmbH
HRB 14153 AG Mönchengladbach
Geschäftsführer: Dipl.-Kfm. Klaus Sasserath

BMRCL APPROVAL

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



LARSEN & TOUBRO LIMITED

ECC DIVISION (ENGINEERING CONSTRUCTION & CONTRACTS)

Bangalore Regional Office: 19, Kumara Krupa Road, I & II Floor, Bangalore – 560 001. Tel: 40100102 Fax: +080-2225 6127

LTCID: BLCL: B&F: BMRCL-R3a: LOI: 37

04/08/2012

M/s. Deevin Seismic Systems Pvt Ltd
618, Model House,
Dwarkapuri colony,
Panjagutta,
Hyderabad-500082
Ph: +91-9000988286

Dear Sir,

Kind Attn: Mr. M.A AZEEM

Sub: Expansion Joint– R3A stations

With reference to your final offer and subsequent discussions you had with us, we are pleased to place this letter of Intent on you for carrying out the above work.

Scope of Work:

Supply & supervision of Expansion joint works for R3A stations as per the detailed Bill of quantities and terms & conditions attached with this letter.

Total value of work amounts to **Rs. 28, 57,632 (Rupees Twenty Eight lakhs fifty seven thousand six hundred thirty two only)** as Annexure-I and detailed Terms and Conditions are attached as Annexure-II.

This letter of Intent is issued to you so as to enable you to arrange and mobilize the required resources immediately, and to complete the works as per the schedule. Our regular Work order order will be issued to you in the due course.

You are requested to sign the duplicate copy of this letter and return us the same immediately as a token of your acceptance.

Thanking you,

Yours faithfully,
For LARSEN & TOUBRO LIMITED.
ECC DIVISION

(S. SUNDARRAJAN)
PROJECT MANAGER

Encl: Annexure I – BOQ (1 Page)
Annexure II - Terms & conditions (3 Pages)

Headquarters: Mount Poonamallee Road, Manapakkam, P.B. No. 979, Chennai – 600 089. Tel: 22526000 / 22528000

Fax: + 044-249 3317 E-Mail: itcg@intecc.com Website: www.intecc.com

Regd. Office: L&T House, Ballard Estate, P.O. Box 278, Mumbai – 400 001. Tel: 261 8181 / 82 Fax: + 022-262 0223
Website: www.larsentoubro.com



DMRC APPROVAL

CIN U74899DL 1995G01068150

दूरभाष Tel. : 23417910/12

फैक्स Fax : 23417921



दिल्ली मेट्रो रेल कॉर्पोरेशन लि 0
DELHI METRÔ RAIL CORPORATION LTD.
(भारत सरकार एवं दिल्ली सरकार का संयुक्त उपक्रम)
(A Joint VENTURE OF GOVERNMENT OF INDIA AND GOVT. OF DELHI)

No. DMRC/Corp/20/Designs/001/99

February 4, 2016

Mr. Deepak Balwani
Managing Director
M/S Deevin Group
PLOT #73B, SECTOR- C ,Industrial Area,
Mandideep -462040

Sub: - Approval of M/S Deevin Group as Vendor.

Dear Sir,

This has reference to your request regarding the subject mentioned above and the technical document / credential submitted by you to this office for approval of your products. In this regard, we would like to inform you that we have scrutinized and evaluated your documents technically and have found that your products/ service are suitable for use in Metro Rail Projects/ Therefore, we hereby approve M/s JSR International (formerly known) as Deevin Engineering Consulting Group) & Deevin Seismic Systems Pvt. Ltd. Bhopal as Designer Manufacturer & Supplier/ Contractor of :-

1. structural Bearings & Structural Expansion Joints,
2. Architectural Expansion Joints,
3. Post Tension Slab.

This approval is being accorded to M/s JSR International (formerly known) as Deevin Engineering Consulting Group) & Deevin Seismic Systems Pvt. Ltd. Bhopal considering its products/service are in line with Codal provisions & tender specification. It has also been noticed that M/s Deevin Sismic Systems Pvt. Ltd. have been approved by MORTH & RDSO for bearing and expansion joints.

It is also notice that M/s Deevin Group is an ISO 9001:2008 certified company which has been approved by MORTH and RDSO and its clientele indude various Govt./ Private companies of repute viz,m Bangalore Metro Rail, Hyderabad Metro Rail, NHAI, PWD, AAI and U.P. Jal Board Nigam etc. While considering for approval its is also noticed that M/s Deevin Group has executed number of major projects in India successfully.

RAJAN KATARIA
Executive Director (Technical)
Delhi Metro Rail Corporation Ltd
Metro Bhawan, Fire Brigade I



RITES APPROVAL



CIN - U74899DL1974G01007227

राइट्स लि०
(भारत सरकार का प्रतिष्ठान)
रेलवे मंत्रालय
RITES LTD.
(A Govt. of India Enterprises)
Ministry of Railways

Reference :-Dated : 16/08/2017

To,
The Project Manager
M/s Supreme- BKB-Deco(Jv)

Subject :- BRIDGE OVER RIVER KONAR AND APPROACHES WITH ROB/RUB/FOB/LEVEL CROSSING GATES ETC, UNDER DAMODAR VALLEY CORPORATION (Source Approval for Designing / Manufacturing / Testing / Supply & Installation of Spherical Bearings of M/s Deevin Seismic Systems Pvt. Ltd., Mandideep, Raisen - District, Bhopal)

Dear Sir,


This has reference to your request regarding the subject mentioned above and all the technical documents / credentials submitted by you to this office for approval of Vendor. In this regard, we would like to inform you that we have scrutinized and evaluated the documents technically, and have found that vendor's product / services are suitable for our project.

Therefore we hereby approve M/s Deevin Seismic System Pvt Ltd., Mandideep, Raisen- District, Bhopal as a Vendor for Designing / Manufacturing / Testing / Supply & Installation of Spherical Bearings in our Project.

However we wholly reserve the right to revoke / suspend the enlistment on the basis of review any time during the enlistment period.

Please note that the approval has been accorded on the condition of maintaining of Quality intact. In case of any negative feedback and deterioration in quality this approval will stand Cancelled automatically.

Yours Sincerely


(J.K.KHAN)
Sr. Bridge Engineer,
DVC, BTPS Project, Bokaro

देशीय परिचयना कर्माज्य, कोलकाता, मेट्रो रेलवे सर्विस बिल्डिंग (द्वितीय मंज), 56, सी आर एवेन्यू, कोलकाता - 700 012
REGIONAL PROJECT OFFICE, KOLKATA, METRO RAILWAY SERVICE BUILDING (2ND FLOOR), 56, C.R. AVENUE, KOLKATA-700 012
(PHN) TELEPHONE (033) 2236 7118/7148/7162, 2236 3954, 2225 1766/1767/1179, 2237 9336, 2234 7709, फैक्स (033)2236 7143, ई-मेल E-mail: p.kokkhan@rites.com
Regd. Office: SCOPE Minar, Laxmi Nagar, Delhi-110092 (INDIA), एजीकृत कार्यालय स्कोप मिनार, लखीनगर, दिल्ली - 110092 (भारत)
CORPORATE OFFICE: RITES BHAWAN, NO.1, SECTOR-29, GURGAON - 122001(INDIA), कर्पोरेट कार्यालय - राइट्स भवन, नं 1, सेक्टर - 29, गुर्गाँव - 122001 (भारत)
दुरभाष/TELEPHONE - 0124-2571660, फैक्स/0124-2571660, Website: www.rites.com



CENTRAL RAILWAY



OFFICE OF THE DY.CE (C)
JUNAGAR, Above PF No.6,
Jainagar Station Bldg.,
Navi Mumbai – 400 705
Ph. & Fax.27754985 / 27754986

L. No. DYCE(C)JNJ/ 1

Dated:07.06.2023

Operational Certificate

Elastomeric bearings supplied from Deevin Seismic System Pvt.Ltd. being used in our following completed Central Railway Projects.They are in good working conditions.

1. **M/s Ghai Construction Ltd.-Name of Work:** 'Earthwork in Embankment/cutting with blanketing, Construction of RUB, and Construction /Extension of various Minor Bridges (Hydraulic & Service crossings) between CH: 8000 to CH:10900 under Nerul/Belapur-Seawood Railway project in Navi Mumbai'- for RUB.
2. **M/s J.M.Mhatre Name of work:** 'Construction of Viaduct at CH:10975 near jasai village and RCC retaining wall at CH:14200, in Nerul/Belapur-Seawood Railway project in Navi Mumbai' -for Viaduct Bridge.



Spatil /7-06-23

AXEN (C) JNJ-I
(Shubhangi Patil)

सहायक कार्यकारी अभियंता (नि.)
A. X.E.N. (C)
जुईनगर, मध्य रेलवे,
Jainagar, Central Railway.



Southern Railway

Office of the Deputy Chief Engineer,
Engineering Workshops,
Arakkonam.

Date: 19.05.2023

No. FIU/EWS/SR/2023

**DGM (Tech) & Project Director,
Office of Project Director,
PIU unit, Puducherry.
No. 28 & 29, 1st street, Ganapathy nagar, Arumpathapuram,
Puducherry – 605110**

Sub: Four laning of Villupuram Km. 0/000 to Puducherry Km 29/000 Section of NH-45A (New NH-332) on HAM under Bharatmala - Pariyojana (Under Residual NHDP-IV) in the State of Tamil Nadu and UT of Puducherry

1. Pro 6L ROB at Rly km 168/700-800 between Villupuram & Kandambakkam Stations (NH Km.0/471)
2. Pro 4L ROB in lieu of LC No.127 at Km.167/700-800 in between Villupuram and Serandanur stations (NH Km.4/697)
3. Pro 4L ROB at Rly km 10/700-800 between Villupuram & Samudram Chinnababu stations (NH km.14/704)

Ref: NHAI letter no.11011/NH-45A/09/ 2023/PIU-PDY/0802 dated 24.04.2023.

-----*****-----

Vide under reference, PD/NHAI, Puducherry has submitted QAP for the above mentioned subject work on 24.04.2023 and the same has been scrutinized and signed by FIU officials is sent herewith for further necessary action.

MANDAN Ganesh
GANESH Digitally signed by
MANDAN GANESH
Date: 2023.05.19
19:11:12 +05'30'

Dy.CE/EWS/AJJ
(Head of FIU)



North Central Railways-NCR



Engineering Your Vision

**Project Management Services for Engineering Procurement and Construction of (EPC)
Agreement - Gwalior - Sheopurkalan GC Project of North Central Railway.**

Email – tsheopurkalan@cegindia.com, sheopurkalan@cegindia.com

Letter No: CEG/SHER/DRI-J/0012

Date: 14.02.2024

To,

The Authorized Signatory,
M/s Ashoka Buildcon Limited,
Ashoka House, Ashoka Marg,
Ashoka Nagar,
Nashik – 422011, Maharashtra.

Subject: Quality Assurance Plan for Bearings of Major Bridges of Rail Project

Reference:

1. Contract Agreement No. NCR/NCRC/Civil/2023/0026
2. Letter No. Dy CE/C/GWL/DO/GWL SOE GC dated 29.01.2024

Sir,

With reference to the above cited subject, the attached QAP (57 pages) for bearings of major bridges has been reviewed and found Ok.

This is for your information and necessary action please.

Thanking You,

Yours Sincerely,

For, Consulting Engineers Group Ltd.,

Mr. Vijay N T
Team Leader

CEG LTD.



CC: Mr. Sanjay Bajpai, Authority Engineer, Consulting Engineers Group Ltd.,



Consulting Engineers Group Ltd. Registered & Corporate Office

CEG Tower, B-11 (G), Malviya Industrial Area, Jaipur - 302017, Rajasthan, India

Tel: +91 141 2751801, 802, 803 | Fax: +91 141 2751806 | ceg@cegindia.com |

www.cegindia.com

CIN: U74140RJ1991PLC006329



SOURCE APPROVAL FROM VARIOUS PROJECTS



RD CIVIL SOLUTIONS

Registered Address:-E7/103 Laketown CHS, Bibwewadi, Pune 411037, Maharashtra
Office Address: 501, Pearl Square, Satav Nagar, Handewadi Road, Hadapsar, Pune 411028, Maharashtra
Phone: 9422361996, 9823937170; Email: rdcivilsolutions@gmail.com

RD/ABL/STRUCTURES/NH48/145

Dated 13.06.2023

To,
Ashoka Buildcon Ltd;
S. No. 861, Ashoka House,
Ashoka Marg, Vadala, Nashik- 422011.
Tel. No. 0253-6633705.
Fax No. 0253-2236704.

Sub:	Construction of 6-laning from Belgaum to Sankeshwar Bypass from Km. 515+000 to Km. 555+017 of NH-48 in the state of Karnataka on Engineering, Procurement & Construction (EPC) Mode under Bharatmala Pariyojana (Package -I)- <i>Approval of Manufacturer's Drawings for Strip Seal Expansion Joint for Major Bridge at Ch. 544+851, Major Bridge at Ch. 551+507, Major Bridge at ch. 551+936, Interchange at Ch. 538+287, Viaduct at Ch. 525+510, Viaduct cum Bridge at Ch. 529+791.</i>
-------------	---

- Ref:** 1) NHAI Letter No. NHAI/RO-BNG/14022/15/2022-23/680 dated 31.05.2022.
2) Work Order No: - ABL/NH-48/DES/002 dated 08.06.2022.
3) Your Office Letter No. ABL/NH-48/Pkg-I/DES/Proof/2022-23/200. dated 30.05.2023

Dear Sir,

With reference to the above-mentioned subject, the expansion joints dwg from Manufacturer are received for structures mentioned in the subject are found in order. The vendor approval shall be taken from the competent Authority prior to procurement of the material.

Drawings are scrutinized and approved. The details of approved drawings are as below.

Sr. No.	Drawings / Documents Title	Applicable For	Drawing Number	Rev. No.
1	Deevin Strip Seal Expansion	Viaduct (525+510 & 529+791)	DSSPL-SSEJ-ABL-2023-03-0099	R2
2	Deevin Strip Seal Expansion	MJB (544+851, 551+507 & 551+936)	DSSPL-SSEJ-ABL-2023-03-0100	R2
3	Deevin Strip Seal Expansion	Interchange (538+287)	DSSPL-SSEJ-ABL-2023-03-0101	R0

Page 1 of 2

Specialist in Bridge, Road, Highway & Structure Design



AECOM

AECOM India Pvt. Ltd.
Project Seabird,
Naval Base, PO Arga,
Karwar- 581 308.
www.aecom.com

Ref: DELD14065-PSB-MWC03-OCOR-KWR-1655

27 September 2023

The Project Manager,
M/s. ITD Cementation India Limited
Project Seabird, Phase IIA
Karwar – 581 308

Contract No: DGSB/MWC03/04 of 2020 of Project Seabird Phase IIA

Subject: MWC03 – Shop drawings of Expansion Joints of Pier 6, Pier 8, Pier 9 & Armament Wharf.

Reference:

- a) ITDCem-PSB-MWC03-DM050020-1938 dated 25 September 2023
- b) ITDCem-PSB-MWC03-DM050020-1855 dated 12 August 2023
- c) ITDCem-PSB-MWC03-DM050020-1826 dated 28 July 2022
- d) DELD14065-PSB-MWC03-OCOR-KWR-1381 dated 18 May 2023
- e) DELD14065-PSB-MWC03-OCOR-KWR-1356 dated 08 May 2023
- f) ITDCem-PSB-MWC03-DM050020-1642 dated 03 May 2023
- g) ITDCem-PSB-MWC03-DM050020-1610 dated 19 April 2023(RFI-0042)

Enclosure: Nil

Kind Attn: Mr. Santanu Ghosh,

Dear sir,

We refer to your letter at a) above regarding resubmissions of approval of the shop drawings of the Expansion joint of Pier 6, Pier 8, Pier 9 & Armament Wharf.

Engineer has reviewed the shop drawings and herewith approves the Same.

Further, the Contractor shall note that Examination and/or approval by the Engineer of any drawings or other documents submitted by the Contractor shall not relieve the Contractor of his responsibilities or liabilities under the Contract as per Clause A404.1.7 and other Contract conditions.

Yours sincerely,
**For Consortium of AECOM India Private Limited and
AECOM Technical Services, USA**

Y. Sankar
27/09/23
Sateesh Yandrapu
Resident Engineer, MWC03 Package
Project Seabird, Phase IIA

Copy to:
DDG (PI) Project Seabird, Karwar
AECOM (Internal): PP/JKA/JA





INDORE METRO APPROVAL



To,
Contractor's Representative,
Dilip Buildcon Ltd.,
Indore Metro Rail Project Phase – 1
Opposite: - TCS Office, Super Corridor Road,
Palakhedi Square, Indore – 453112,
Madhya Pradesh,
India

From,
The Engineer
Indore Metro Project, Yellow Line
M P Metro Rail Project
10th Floor, Apollo Premier,
Near Vijay Nagar Square,
Indore-452010
Madhya Pradesh, India

Date : 08th October 2021

Contract: MPMRCL/Indore Metro/2018/Package-02A/01
Subject: Credentials of M/s. Deevin Seismic Systems Pvt Ltd for Supply of Bearings
Letter Reference: IN-P02A-BIG-DCM-LTR-01150
Reference-Communication: IN-P02A-DBL-DCM-LTR-1371, dated 01.10.21
Kind Attention : Mr. Manjunath S.V.

Dear Sir,

Please find the Engineer's DRS for the following:

Sr. no.	Description	DRS No.	Status
1	Credentials of M/s. Deevin Seismic Systems Pvt Ltd for Supply of Bearings	IN-P02A-PRC-SAR-DRS-00007-R1	SONO

Yours Faithfully,

Simon Fourie

The Engineer
Indore Metro Rail Project



Enclosed: Document Review Sheet

Copy to: MPMRCL, Director Technical.



DBL_PMC_0067_02

Date: 03.01.2022

To

The Authorized Signatory
M/s. HCC-DBL (JV)
Hindustan Construction Company Limited
Hincon House, LBS Marg, Vikhroli (W), Mumbai - 400 083
Tel No. 022-2575 1000
Fax No. 022-2578 7568
Email: hccdbl.rvnl@dilipbuildcon.co.in

Sub: CONSTRUCTION OF TUNNELS, BRIDGES AND FORMATION WORKS FROM CHAINAGE 117+365 TO 125+320 (FLS) UNDER PACKAGE-9 IN CONNECTION WITH NEW BG LINE BETWEEN RISHIKESH AND KARANPRAYAG (125KM) IN STATE OF UTTARAKHAND, INDIA – Final approval of RDSO approved vendor M/s Deevin Seismic Systems Pvt. Ltd. for supply and fixing of POT-PTFE Bearings.

Ref:

- (i) Your Letter No. DBL_PMC_0067_01, Dated: 31.12.2021
- (ii) Factory visit by PMC & Contractor's Bridge Manager Dated 20.10.2021
- (iii) PMC Letter No. TUMAS_HCC-DBL_PK-9_Site_202, Dated: 06.02.2021
- (iv) Your Letter 1177/RKSH-KNPG/(Pkg-9)/2020-21/Site/182, Dated: 29.01.2021

Dear Sir,

This has reference to the subject matter cited as above and your letter under Ref: (i), vide which final approval has been requested for Vendor M/s Deevin Seismic Systems Pvt. Ltd. Mandideep, Raisen, M.P. towards supply and fixing of POT-PTFE Bearings for Bridges. In this context, it was informed by us that Vendor is empanelled by RDSO at Serial No.8 as per RDSO QC-M-8.1-1 Ver 22.0 on Page No. 152, for POT-PTFE Bearings with production capacity of 583 Nos. per month and up to 30/06/2021. Accordingly, we accorded our provisional approval to this vendor vide our letter dated 06.02.2021 and requested you to make arrangement for final approval by the Employer/Engineer.

Subsequently, the factory of above proposed vendor was inspected, on your request, by our Expert – Bridge (Fabrication) with your Bridge construction Manager on dated 20.10.2021. During inspection, it has been found that requisite arrangements are permanently available with laboratory set up, and are as per



Standard, Specifications & codal provisions of RDSO and MoRT&H, for manufacture of bridge bearings.

It is also noticed that M/s Deevin is an ISO 9001:2015 certified company, which has been approved by MoRT&H and DMRC and its clientele includes various Govt/Private company of repute viz. NHAI, PWD, AAI, BMRCL, HMRCL etc. Same has also been taken into consideration for according of final approval.

Further, it is also requested to submit the Inspection Test Plan (ITP). In addition, please make arrangements for joint sample collection of raw material, in presence of the representaives of Employer/Engineer, for third party testing before start of manufacturing of the bearings as per contractual specifications.

Please note that approval has been accorded on the condition of maintaing quality intact. In case of any negative performance or deterioration in quality, this approval will stand automatically cancelled.

We would also like to inform that accuracy of fabrication, supply and installation shall be realized through controlled high precision work as per RVNL Specification - specification up to amend. no. 29 dated 25.08.20, 03 Part A-Bridge, (i) - Bearings.

It is pertinent to mention here that any approval accorded by the Engineer, pertaining to source of any construction material, shall not relieve the Contractor of any of his duties, obligations or responsibilities under the Contract.

Thanking you,

Yours sincerely,



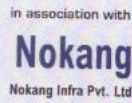
TURKISH ENGINEERING CONSULTING &
CONTRACTING - TUMAS INDIA PRIVATE LIMITED
and ALTINOK Müşavirlik Mühendislik A.Ş.
JOINT VENTURE

Ufuk Akgun

Project Manager (Tunnel Construction Engineer)

For Turkish Engineering Consulting & Contracting-TUMAS India Private Limited-
ALTINOK Müşavirlik Mühendislik A.S. JV

Copy to: AGM & Project Director, RVNL - For kind information please.



Project Office :
Flat No. G1 and Flat No. F1,
Azad nagar, Near Durga Press Sahibganj
Jharkhand - 816 109
Email: tl.sahibganjbypass@sainfra.co.in

Letter no: -SAICPL-HEXA-NOKANG/NHAI/JH/AE/SahibganjBridge-2022-23/112

Date-18-07-2022

To,
Shri Madhusudan De
Authorised representative,
M/S DBL-HCC-(JV)
Plot No-05 Inside Govind Narayan Singh
Gate, Chuna Bhatti, Kolar Road Bhopal-462016 (MP)

Sub: -"Consultancy services for Authority's Engineer for Supervision of Construction of new link (NH-133B) from Km 0.200 (Km 200.700 of Sahibganj Bypass) in Jharkhand to Km 15.885 (Km 25.240 of NH-131A) including Ganga Bridge and construction of Manihari Bypass from Km 0.000 (Km 25.240 of 131A) to Km 5.500 (Km 34.100 of NH-131A near Narenpur) and widening of NH-131A from Km 5.500 (Km 34.100 of NH-131A) to Km 6.000 (Km 34.600 of NH-131A) in the state of Bihar to 4 lane standards on EPC Mode": -" **Subject:** Approval of DEEVIN SEISMIC SYSTEMS PRIVATE LIMITED-Elastomeric Bearing, Expansion Joint, POT cum PTFE Bearing, PT products (Wedges, Cone, Head & Duct), Geostrap & Geocomposite"- Reg.

Dear Sir,

This is with reference to the letter no. DBL/Site/SGBM/NHAI/2022-23/107 dated 12.07.2022, wherein the EPC Contractor had proposed Source Approval of DEEVIN SEISMIC SYSTEMS PRIVATE LIMITED -Elastomeric Bearing, Expansion Joint, POT cum PTFE Bearing, PT products (Wedges, Cone, Head & Duct), Geostrap & Geocomposite which can be adopted for our Project work.

After going through the factory visit & testing of various material on dated 11.06.2022, Therefore we have approved your DEEVIN SEISMIC SYSTEMS PRIVATE LIMITED source for Elastomeric Bearing, Expansion Joint, POT cum PTFE Bearing, PT products (Wedges, Cone, Head & Duct), Geostrap & Geocomposite.

Kindly proceed accordingly for the procurement of the same.

Thanks, With Regards;

(KUMAR SANJAY)
Acting Team Leader

Copy to: -

- (i) GM(T) cum PD, NHAI, PIU Sahibganj -Jharkhand for kind information.
- (ii) info@sainfra.com
- (iii) HO; Project Coordinator
- (iv) nokanginfra@gmail.com



Independent Engineer Services for Four Lanning from km 253.600 to km 308.550 of Bellary to Byrapura Section of NH-150(A) on Hybrid Annuity Mode under Bharatmala Pariyojana in the State of Karnataka



Yongma Engineering Co. Ltd. in Joint Venture with SATRA Services and Solutions Pvt. Ltd. in Association with CHO & KIM Engineering Pvt. Ltd.

Our ref: 01041051/02/IE/00428

Date: 19.02.2021

To,

The Project Manager,

M/s DBL Bellary Byrapura Highways Private Ltd.
Sy.No.577: Opp: Maramma Temple
Village & Mandal D Hirehal
Bangalore Road, Anantapuram
Andhra Pradesh-515872
E-mail: bellarybyrapurahpl@dbl.co.in

Sub: Independent Engineer Services for Four Lanning from km 253.600 to km 308.550 of Bellary to Byrapura Section of NH-150(A) on Hybrid Annuity Mode under Bharatmala Pariyojana in State of Karnataka. – **Observations on Factory Inspection of M/s Deevin Seismic Systems Pvt Ltd for Elastomeric Bearings – Concurred - Reg.**

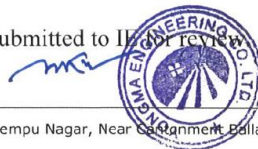
- Ref:** 1. Concession Agreement Dt. 16.07.2018
2. Consultancy Contract Agreement Dt. 12.02.2019.
3. Your letter DBL-SO/NHAI/KA/DBLBBHPL/20-21/442 dated 19th October 2020
4. Our letter 01041051/02/IE/00315 dated 30th October 2020
5. Your letter DBL-SO/NHAI/KA/DBLBBHPL/20-21/527 dated 9th February 2021

Dear Sir,

With reference to your letter cited above under (5), the factory inspection and in house testing of M/s Deevin Seismic Systems Pvt Ltd, Mandideep, Madhya Pradesh for the supply of Elastomeric Bearings was conducted on dated 3rd February 2021 by IE representative SQME along with your Quality Manager. Factory inspection was conducted on material quality, manufacturing process and material testing with reference to MoRT&H (5th Revision) clause 2005 & IRC: 83 (Part-II) – 2018 and found satisfactory.

Please note that this concurrence shall be subject to fulfillment of the following conditions.

1. Every consignment brought to site should be supported with Manufacturers Test Certificate (MTC) and same shall be submitted to IE.



Page 1 of 2

* Project Office: House No. #85/C, First Floor, 1st Cross, Kuvempu Nagar, Near Consignment Bellary-583104



SOURCE APPROVAL FOR PT SYSTEMS & GEO PRODUCTS



L.N. MALVIYA INFRA PROJECTS PVT. LTD

Head Office: T-10, IIIrd Floor, City Centre, Press Complex, Plot No. -1, M.P. Nagar Zone -I,
Bhopal (M.P.), 462011, Tel./Fax: 0755-4295421, Mob. 09826452711, 09977004686
Email: lnmalviya@rediffmail.com

Letter No. IE-LNM/Dodaballapur Bypass - 2/2020-21/46

Date: 31.03.2021

To,

Authorized Signatory,
Dilip Buildcon Limited,
Dodaballapur Bypass-Hoskote
Road Project, NH-648, Survey
No. P/39,388,47-1/3/5/7/9,
Malepura Village, Hoskote Road,
Channarayana pattanam,
Hobli, Taluka-Devenahalli,
District: Bangalore Rural, Pin code: 562129.

Sub: Consultancy Services for Independent Engineer for Supervision of 4 Laning from
Km. 42.000 to Km. 80.000 of Dodaballapur Bypass to Hoskote Section of NH-648
(Old NH- 207) on Hybrid Annuity Mode Under Bhramtala Pariyojna in the State
of Karnataka (Package-II), - **Reg. Source approval for "Bridge bearings, Expansion
Joints,PT systems and Geo-Products from M/S Deevin Seismic Systems Pvt Ltd.,**

Ref: - 1. DBL-SO/NHAI/DBLDHHPL/20-21/095 dated 22-03-2021

Respected Sir,

Company Profile of M/S Deevin Seismic Systems Pvt. Ltd has been submitted vide above cited
letter. The same has been reviewed and found satisfactory.
It is advised to proceed for further construction activities.

We assure our best attention and services at all the times.

Thanking you.

Yours Truly

L.N. Malviya Infra Projects Pvt. Ltd.



Authorized Signatory
Resident cum Highway Engineer
(A. Mohanbabu)

Copy to: The Project Director, PIU-Bangalore, for your kind information.

Project Office: M. Ramaiah Mansion, 3rd Floor, Shantinagar, Sulibele Road, Devenahalli Town,
Bangalore Rural-562137

Email: lnmalvivadodaballapur@gmail.com



LEA Associates South Asia Pvt. Ltd.

Ward No. 02, Behind Rest House, Tehsil Bhata.

Katghora. Pin - 495445 (Chhattisgarh)

T | 07815 - 296843

Email: lasanh130@gmail.com, www.lea.ca

Corporate Identification Number: U74899DL1993PTC055750

LASA/Pathrapali-Katghora/IE/CG-73771/2021/146

Date: 19th June 2021

To,

The Project Manager,

Concessionaire, M/s PKH Pvt Ltd,

Near Village-Kanjipani, PO – Chaitma,

Tehsil- Pali, NH-130, Bilaspur-Katghora Road,

Distt.-Korba Chhattisgarh, Pin-495449

Sub.: 4-Lane with paved shoulder configuration of Pathrapali-Katghora section of NH-111 (New NH-130) from Km 53+300 (Design Chainage) to Km 92+600 (Design Chainage) in the State of Chhattisgarh under Bharatmala on Hybrid Annuity Mode – **Submission of Credential of Deevin Seismic System Pvt.Ltd for Geo composites- reg.**

Ref: 1. The Authority letter no. 21015/1/2020-PIUKORBA/VOL.1/678; dated: 19.02.2021
2. Concessionaire letter no. PKHPL-SITE/NHA/Pathrapali-Katghora/Pkg-ii/2020-21/108; dated: 24.01.2021.

Dear Sir,

With reference to above subject and vide reference no. (1) above, we received from Authority Credential of M/S Deevin Seismic System Pvt.Ltd., submitted by you vide letter no. (2) above for source approval of Geo composites to be used in the project for our review and approval.

The submitted documents are reviewed and is satisfying the specification requirements as per MoRT&H Clause 701. Accorded the approval subjected to the following points:

- Submission of Manufacture Test Certificates (MTC) for each consignment.
- The Supplier shall provide third party test reports form an Independent Laboratory with valid accreditation for all the test values in Manufacturer's test certificate.
- If any types of defects/damages in Geo composites are found before incorporation in the permanent works, they would be liable to the rejection.

This is for your Information and necessary action please.

Thanking you,

Yours faithfully,

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




Atul J Sakharkar

Team Leader cum Senior Highway Engineer

Copy to: 1. **The Project Director (PIU Korba)**, National Highways Authority of India, Plot No. 1940 /1941, R.P Nagar, Phase – 1, Dashera Maidan Niharika, Korba – 495677 (C.G)

2. **Independent Engineer**, LEA Associates South Asia Pvt. Ltd, New Delhi

CANADA | INDIA | ASIA | AFRICA | MIDDLE EAST



To,
Mr. Arun Kumar K
VP (Design and Technical Audit)
Plot No.5 Govind Narayan Singh Gate,
Chuna Bhatti, Kolar Road,
Bhopal (MP).
Email: arunkumardbl@dilipbuildcon.co.in

**Civil, Structural
& Management
Consultants**

Late Dr. T. N. Subba Rao
Founder
B.E., C.Eng., F.I.E., F.I.S.I., F.I.S.,
F.I.C.E. (U.K.), F.I. Struct E. (U.K.), F.C.S. (U.K.)
FELLOW NATIONAL ACADEMY OF ENGINEERING
PAST MEMBER PRESIDUM fib (Lausanne)
PAST PRESIDENT CICA (PARIS)
PAST VICE PRESIDENT IABSE(ZURICH) & IRC (INDIA)
PAST PRESIDENT BAI (INDIA) & IFAWPCA (Manila)
PAST PRESIDENT INDIAN CONCRETE INSTITUTE

**CONSTRUMA
CONSULTANCY
Private Limited.**

2nd Floor, Pinky Plaza,
5th Road, Khar West,
Mumbai – 400 052.
Tel : 91 - 22 : 26487415
91 - 22 : 26050208
91 - 22 : 26040984
Fax 91 - 22 : 26463181
e-mail: bridges@construma.in
CIN: U74140MH1992PTC067382

REF: CCPL/2023/0545

DATE: 12/04/2023

SUB: - Construction Of New Link Nh133B from km 0.200 in Jharkhand to Km: 15.885 including Ganga bridge and Construction of Manihari Bypass from km. 0.000 to Km. 5.5 and Widening of NH-131A from km. 5.500 to km:6.000 in the State of Bihar to 4 lane standards on EPC mode.

– Bearing Layout and bearing shop drawing and design

- REF: 1. Your mail dated 28/12/2022
2. Our letter CCPL/2023/0198 dated 09.02.22
3. Your email dated 01.03.23
4. Your mail dated 01.04.23.

Dear Sir,

We have received revised the Design and Shop drawings of Bearing under ref 3). We have received the pier cap design of expansion joint location under reference 4. It is noted the same load is applicable for bearing and pier cap. It is also noted due to eccentricity in SV loading condition the bearing is subjected to uplift and bearing designed for tension. Live load reactions in all load cases furnished by designer is attached herewith.

On review of the same following documents are **Recommended for Approval.**

SR.NO	DRAWING / DESIGN TITLE	DRAWING / DESIGN NUMBER	REV	STATUS
1	BEARING LOADS AT EJ PIER LOCATION OF SUPERSTRUCTURE110+180+110 TYPICAL MODULE	20046-MJB-01-GEN-DC-1041	R0	A
2	15779 KN FREE FLOAT SPHERICAL BEARING (UPLIFT LOAD – 3263KN)	20046-MJB-01-GEN-DC-1041	R2	A
3	DEEVIN METALLIC GUIDED (L) BEARING	DSSPL-MGBL-DBL-2022-12-0990	R0	A
4	METALLIC LONGITUDINAL GUIDED BEARING	839-ED-MJB-01-6003-R0	R1	A

RR (Revise and Resubmit).
AS (Recommended for Approval subject to incorporation of Comments).
A (Recommended for Approval).

Yours faithfully,
for CONSTRUMA CONSULTANCY PVT. LTD.

Dr. Harshavardhan Subbarao
Chairman & Managing Director B.E., M.S.E (U.S.A.), Ph.D. (Imperial College, U.K), DIC
Encl: Documents as above.

- cc:
1. Infinite Civil Solutions Pvt. Ltd., Design Consultant, Ahmedabad, (GJ), email: info@inficivil.com.
 2. Rakesh Choubey, Assistant General Manager (AGM) - Engg (Str) & Enabling, Structural Design Head, Plot No.5 Govind Narayan Singh Gate, Chuna Bhatti, Kolar Road, Bhopal (MP).email: rkchoubey@dilipbuildcon.co.in



TPF GETINSA EUROESTUDIOS, S.L.

TL Office: HIG-B-351, Siddharth Enclave (Vistar), Behind State Bank of India Taramandal, Gorakhpur – 273016

RE Office: 2nd Floor, House No. 683, Sidhari, Naya Pool, Nr. Bank of Maharashtra, Azamgarh, UP - 276001

Email: tpfgetinsa.gorakhpur@gmail.com, tpfgetinsa.azamgarh@gmail.com

Project: Consultancy Services for acting as Authority's Engineer for Supervision of Gorakhpur Link Expressway Project (Package I and II) on EPC Basis.

FCRN: F04460

getinsa-euroestudios



Ref: TPF/AE/TL/SCIA037/EPC/2020-21/ 587

Date: 22.09.2021

To

The Authorized Signatory

Site office, Camp-I, Dilip Buildcon Ltd.
Vill-Mandohi, Post-Madiapar, PS-Ataraulia,
Teh- Budhanpur, Dist.-Azamgarh (UP), 223223

Sub- Development of 'Gorakhpur Link expressway project' (Package –II) from Fulwariya (Dist- Amedkar Nagar) to Salapur (Dist- Azamgarh) (Km 47+500to km 90+535) in the state of Uttarpradesh on EPC Basic-Submission of Proof checked Revised Design notes and Shop Drawing of Spherical Bearing of Flyover's Km 62+227 & Km 1+730 reg.

- Ref. No.** 1. Your letter no: DBL/UPEIDA/GLE/PKG-II/853 dated 22.09.2021
2. Your letter no: DBL/UPEIDA/GLE/PKG-II/677 dated 04.06.2021

Dear Sir,

With reference to above cited subject vide ref. 1 your submitted revised design notes and shop drawing of spherical bearing to be used on flyover @Km 62+227 & Km 1+730 has been reviewed and found the same to be generally in order subjected to

1. The spacing of girder will remain the same as shown in drawings. If any changes are made, revised calculations and drawing will be resubmitted.
2. Bearing lots to be tested in the presence of authority, authority engineers & contractor's representative at factory before procurement.
3. Manufacturer's test certificate for each shall be obtain and verified for compliance.
4. Dimension of Bearing to be made as per the approved drawings
5. The Manufacturer's shall certify the quality control certificate for each lot of bearing as per IRC 83:2014 (part IV)
6. As per MORTH, third party testing from approved NABL laboratory to be conducted on the few bearings supplied by Manufacturer.

Further, it is advised to mark location of fix, free, longitudinally guided and transverse guided bearings on structural working drawings prior to start work

Thanks & Regards

Yours Sincerely

Team Leader
TPF Getinsa Euroestudios S L

Copy submitted to:

1. The Executive Engineer, PIU- II, Gorakhpur Link Expressway.
2. The RE- II TPF Getinsa Euroestudios S L- For kind information Please.
3. The Chief Project Coordinator, TPF Getinsa Euroestudios S L- For kind information Please.



in JV with

**Shree Bhawani Consultancy
Services Pvt. Ltd.**

Authority's Engineer for Supervision of Construction of Extra-Dosed Major Bridge across Sharavathi Backwaters and Approaches between Ambargodu and Kalasavalli of NH-369E in the state of Karnataka on EPC mode

Letter No: AA/EDB/DBL-SRBG (JV)/2296/2021-22/666
Date: 07th January, 2022

To,
The Project Manager,
DBL-SRBG (JV) Base Camp,
Avinahalli (PO), Sagar Taluka,
Shimoga District,
Karnataka -577453.
Email Address:- dblisharavathi@dilipbuildcon.co.in

Sub: Consultancy Services for Authority's Engineer for Supervision of construction of Major Bridge across Sharavathi Backwaters and approaches between Ambargodu and Kalasavalli of NH- 369E in the state of Karnataka (Job No. NH-369E-KNT-2018-19-895) on EPC Basis.
Reg: Approval of M/S Deevin Seismic System Pvt. Ltd for Supplying of Spherical Bearing.

Ref:

1. EPC Contractor Letter no. DBL/SRBG(JV)/SBWP/AE-NH/2021-22/621 dated 01.11.2021
2. EPC Contractor Letter no. DBL/SRBG(JV)/SBWP/AE-NH/2021-22/623 dated 06.11.2021
3. AE's letter no. AA/EDB/DBL-SRBG(JV)/2296/2021-22/636 dated 09.11.2021
4. EPC Contractor Letter no. DBL/SRBG(JV)/SBWP/AE-NH/2021-22/630 dated 15.11.2021
5. EPC Contractor Letter no. DBL/SRBG(JV)/SBWP/AE-NH/2021-22/635 dated 27.11.2021

Dear Sir,

Reference to above letters we have following comments:

- 1) A Joint Inspection of " m/s Deevin Seismic Systems pvt Ltd, Bhopal" the vendor (manufacturer & supplier) proposed by the EPC Contractor m/s DBL for procurement & supply of Spherical bearings to Sharavati extra dozed bridge project was made by the representatives of Authority engineers (TL & SQME) & clients (QC Manager) from 18th to 21st November 21,
- 2) The inspection done was on i) Raw materials used viz. steel, Elastomer pad, PTFE sheet & Anticorrosion paint & welding materials), Acceptance tests for checking their properties for conformity with Specifications, process control, in-house testing facilities for testing raw materials used and of finished products as enumerated in the submitted QAP & relevant code provisions (IRC 83 2014 Part-4),
- 3) Also inspected and reviewed were the various test certificates obtained from. NABL Accredited laboratories, reputed institutions like IITs, weld records, welders qualifications & experience, registers etc,
- 4) One typical full scale load test on a finished Spherical bearing was also witnessed (vertical compression load test, lateral friction test & combined vertical and horizontal load test),
- 5) Few typical fully manufactured spherical bearings were also checked for quality of finishing, quality of welds (dye penetration test & ultra Sonic test) and corrosion treatment adopted were also witnessed,
- 6) All the necessary technical documents & reports, a few internal & external audit reports were also checked,

Project Office : # Chandana, Backside of Idgas Hostel, Pragathi Nagar, Jog Road, Sagar - 577401, Shimoga District, Karnataka
Tel : +91 9886657777, e-mail : aarvee@aarvee.net

Head Office : Revula Residency, Srinagar Colony Main Rd, Hyderabad - 500 082 India CIN: U74200TG2005PTC045491
Tel : +91 40-03737633 / 48483156 Fax : +91 40-03734077 e-mail : aarvee@aarvee.net, web : www.aarvee.com



getinsa-euroestudios
TPF GETINSA EUROESTUDIOS – INDIA PROJECT OFFICE
IN ASSOCIATION WITH VITAL VERTEX VALUE VENTURE PVT LTD

VITAL VERTEX
VALUE VENTURE

TPF-Vital Vertex/Project Manager/UDRP/R&B/AF/DSC/B/3609 **Date: 25.01.2023**


To,
Hillways construction company Pvt. Ltd.
34 Adarsh Gram Dehradun road,
Rishikash 248201.

Subject: - Design and supervision consultant for Package no. UDRP/R&B/AF/DSC/B/01 under UDRP –AF Regarding Bearing drawings for – “Construction of 90m span steel girder bridge at Gangolihat over Ramganga river at Berinag-Vinayak-Puaranathal-Muwani motor road in District Pithoragarh”.
Ref - Contract Bond No.222/UDRP/AF/52/BR. dated 29.01.2021.

Dear Sir,

This is in reference to our letter reference no.TPF-Vital/Vertex/Project Manager/UDRP/R&B/AF/DSC/B/3607 date: 24.01.2023, please be informed that inadvertently bearing has been mentioned as POT-PTFE instead of spherical bearing. The approval may be read as spherical bearing. Other stipulations as per our letter reference no. TPF-Vital Vertex/Project Manager/UDRP/R&B/AF/DSC/B/3607 dated 24.01.2023 stands.

Thanks & Regards,



Team Leader/Project Manager
TPF Getinsa Euroestudios S.L

Copy to: -

1. Superintending Engineer, World Bank Circle, PWD, Tehri.
2. Executive Engineer, WB, PWD, Berinag.
3. Resident Engineer, DSC-01, Berinag.

UNIT 305, SUNCITY BUSINESS TOWER, GOLF COURSE ROAD, SECTOR 54, GURGAON-122002, HARYANA, INDIA.
Tel : + 91 124 408 7153 , Fax & Tel: + 91 124 421 3016 , Email: indiacentral@tpfingenieria.com



Consultancy services for Independent Engineer for supervision of Construction of Four lane Bangalore Chennai Expressway from km 71.000 to km 96.000 of Bethamamangala to Baireddypalle Section (Package-I), from km 96.000 to Km127.000 of Baireddypalle to Bangarupalem Section (Package -II) and from Km127.000 to Km.156.000 of Bangarupalem to Gudipala Section (Package -III) under Bharatmala Pariyojana on Hybrid Annuity mode in the state of Andhra Pradesh (Phase-II)



SATRA Services and Solutions Pvt Ltd in
Joint Venture with Feedback Infra Pvt Ltd

Our ref: 01041148/IE/III/01/12/029

02 March 2023

Authorised Signatory
Bangarupalem Gudipala Highways Pvt Ltd.
SY No.55/1A3
Periyamadi Village
Yadamari Mandal
Chittoor-517128
Andhra Pradesh

Sub: Construction of four lane Bangalore-Chennai express way from Km 127.000 to km 156.000 of Bangarupalem to Gudipala section in the state of Andhra Pradesh under Bharatmala Pariyojana on Hybrid Annuity mode (Phase II /Package-III) -**Review of Designs and Drawings of Bearings**

Ref:

1. Concession Agreement dated 07 February 2022
2. Concessionaire letter DBL-RO/NHAI/Bangarupalem-Gudipala/2022-23/112 dated 28 November 2022
3. Concessionaire letter DBL-RO/NHAI/Bangarupalem-Gudipala/2022-23/231 dated 17 February 2023
4. Concessionaire letter DBL-RO/NHAI/Bangarupalem-Gudipala/2022-23/232 dated 17 February 2023
5. Concessionaire letter DBL-RO/NHAI/Bangarupalem-Gudipala/2022-23/233 dated 17 February 2023
6. Concessionaire letter DBL-RO/NHAI/Bangarupalem-Gudipala/2022-23/234 dated 17 February 2023
7. Concessionaire letter DBL-RO/NHAI/Bangarupalem-Gudipala/2022-23/235 dated 17 February 2023
8. Concessionaire letter DBL-RO/NHAI/Bangarupalem-Gudipala/2022-23/241 dated 20 February 2023
9. Our letter 01041148/IE/III/01/12/27 dated 23 February 2023
10. Concessionaire letter DBL-RO/NHAI/Bangarupalem-Gudipala/2022-23/258 dated 28 February 2023

Sir,

We write in response to your letter cited (#10) dated 28 February 2023, wherein you have submitted compliance to our observations on designs and drawings of bearings for VUP at km. 147.708, for VOP at km.134.484, for MJB's at km.132.355, at km.139.785, at km.144.180, at km.148.650, at km.150.930 and for MNB at km.127.366 communicated vide our letter (#9) dated 23 February 2022 for our review.

Your compliance and revised submissions were reviewed for their conformance to the standards and specifications and found in order.

For your information and further needful action.



* Project Office: H.NO-4-417/6, OPP To Canara Bank, Manadanepalle Road, Gangavaram, Palamaner, Chittoor (Dist.),
Andhra Pradesh -517408. E-Mail: 1148@satragroup.in; pms@satragroup.in



**Intercontinental Consultants
and Technocrats Pvt. Ltd.**



ICT:847:APM:3507

19th July, 2021

To,
M/s Dilip Buildcon Ltd.,
Plot No. 5, Inside Govind Narayan Singh Gate,
Chuna Bhatti, Kolar Road,
Bhopal – 462016 (M.P.)
db@dilipbuildcon.co.in

Sub: - Consultancy Services for acting as Authority's Engineer "For Supervision of Package-IV to Package-VI of Bundelkhand Expressway Package-VI (From Bakhariya, Dist- Auraiya to Kudrail, Dist- Etawah, Km 250+000 to Km 295+280) in the State of Uttar Pradesh on EPC Basis- *Approval of Revised shop drawings of Two & Three Seal Modular Expansion joints without/with Sinus Plates- reg.*

Ref.: - a. AE Mail dated 17.05.2021
b. DBL/UPEIDA/Bun-Exp/PKG-VI/2020-21/1323 dated 28.06.2021
c. AE Mail dated 06.07.2021
d. Your letter no. DBL/UPEIDA/Bun-Exp/PKG-VI/2020-21/1363 dated 09.07.2021

Dear Sir,

We are forwarding to you the copy of the following GFCs of the revised shop drawings of Two & Three Seal Modular Expansion joints without/with Sinus Plates for your taking up the works at site:

S.N.	Drawing Number	Revision	Title	Reference Drawing No.
1.	DSSPL-MJ-19081-2021-04-00006	R1	(3 Seal Modular Expansion Joint)	19081-MJ-PS-GA-2583-06 ✓
2	DSSPL-MJ-19081-2021-04-00007	R1	(3 Seal Modular Expansion Joint)	19081-MJ-PS-GA-2703-06 ✓
3	DSSPL-MJ-19081-2021-04-00001	R1	(2 Seal Modular Expansion Joint)	19081-MJ-PS-GA-2784-06 ✓
4	DSSPL-MJ-19081-2021-04-00002.	R1	(2 Seal Modular Expansion Joint)	19081-FO-PS-GA-2811-06 ✓
5	DSSPL-MJ-19081-2021-04-00003	R1	(2 Seal Modular Expansion Joint)	19081-MB-PS-GA-2871-06 ✓
6	DSSPL-MJ-19081-2021-04-00008	R1	(3 Seal Modular Expansion Joint)	19081-MJ-PS-GA-2872-06 ✓
7	DSSPL-MJ-19081-2021-04-00004	R2	(2 Seal Modular Expansion Joint)	19081-MB-PS-GA-2924-06 ✓
8	DSSPL-MJ-19081-2021-04-00005	R2	(2 Seal Modular Expansion Joint)	19081-FO-PS-GA-2951-06 ✓

Yours truly,
For Intercontinental Consultants & Technocrats Pvt. Ltd

[Handwritten Signature]
Page 1 of 2



Innovative, Creative & Technologically Sustainable Infrastructure Solutions

CIN : U74899DL1987PTC026913

Corporate Office :
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New Delhi-110 016, INDIA

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Email :
business@ictonline.com

Website :
<http://www.ictonline.com>



MSV INTERNATIONAL INC.

In Association with
ARMENGE

**ARMENGE ENGINEERING AND
MANAGEMENT CONSULTANTS
PVT. LTD.**

MSV International, Inc.
2nd floor, 23-334, Journalist Colony
Chittoor – 517001
Andhra Pradesh
Email:
msvarmenge.chittoor@gmail.com
Mob: 8118876958

Independent Engineer for Six Lane Chittoor-Thatchur Highway from (Varadharajula) to (Veera Kaveri Raja Puram) from Km 0.00 to Km 61.380 on Hybrid Annuity Mode in AP and TN (Package-1)

MSV ARMENGE/IE/KCCCHPL/CHI-THA/2023/428

Date: 06.11.2023

To,
The General Manager,
KCC Chittoor Highways Private Limited,
Shambaram College, Mustipalli Village,
Puthur Main Road G D Nellore,
Chittoor-517125, Andhra Pradesh.
E-Mail: - kcc.chittoor@kccbuildcon.co.in

Sub: - Independent Engineer Services for Supervision of Development of Six Lane Chittoor – Thatchur Highway from Km.0.000 (Varadharajula) to Km.61.380 (Veera Kaveri Raja Puram) on Hybrid Annuity Mode under Bharatmala Pariyojna in the state of Andhra Pradesh and Tamil Nadu on HAM Mode (Package-1) – Source Approval for POT cum PTFE Barings at M/s DEEVIN SEISMIC SYSTEMS Pvt Ltd., MANDIDEEP, MP for Bridge Elastomeric Barings.- reg.

Ref: 1. Concessionaire's letter KCC/KCCCHPL/FY2023-24/690 Dated: 21.10.2023.


Dear Sir,

1. With reference to Concessionaire's above referred letter 1, IE has reviewed the Concessionaire submitted factory visit reports of M/s DEEVIN SEISMIC SYSTEMS Pvt Ltd., MANDIDEEP, MP for Bridge POT cum PTFE Barings. Based on submitted credentials, company profile, and factory visit.
2. Source approval of "POT cum PTFE Barings" from the above supplier, IE hereby **grants approval** and is allowed to be procured on the basis of a factory visit.
3. In this context, the approval of the above POT cum PTFE Bearings is hereby subjected to the following conditions:
 - a) Only fresh lot should be delivered to the site.
 - b) Each consignment of the above materials accompanies the manufacturer test certificate (MTC) with a delivery challan.
 - c) Approval can be withdrawn at any time without any prior notice if any deficiency is found in the above-mentioned product.

This is for your information and needful action.

Yours Truly,

MSV International Inc in Association with ARMENGE Engineering and Management Consultants Pvt. Ltd.


(Subrata Mukhopadhyay)
Team Leader

Copy to: -

1. The DGM (T) & Project Director, NHAI, Do.No.2-1273/1F, B.V. Reddy Colony, Chittoor-517001 Andhra Pradesh.

India Office MSV: Unit No. 514, 515 & 516, 5th Floor, Suncity Success Tower, Golf Course Extension Road Sector 65, Gurgaon-122005 (Haryana) E-mail: info@msvgroup.com; Tel.: 0091-124-2841160; CIN: FO4214

USA Office MSV: 15215, 62nd Avenue N.E. Kenmore, Washington-98028, USA, Tel.: 001-425-488-4442, Email: info@msvgroup.com



HIGHWAY ENGINEERING CONSULTANT



Civil Consultancy Services

SUPER HIG-32, DEENDAYAL NAGAR, MAKRONIA, SAGAR 470003 (M.P.)

Email Id: hecsagarmohari@gmail.com

Ref. No: - TL/HEC/SAGAR-MOHARI/2023-2024/832

Date: 28/03/2024

To,
Project Manager,
Sagar - Mohari,
Bansal Construction Works Pvt. Ltd.
Sagar (M.P.)

Sub: - 4-Laning of Sagar-Mohari section of NH-934 from design chainage 8.000 to 50.300 (Length = 42.300Km) under Bharatmala Pariyojana Phase-I (Economic Corridor category) in the State of Madhya Pradesh on EPC mode. UPC Code: - N/04017/06001/MP.

Reg.: - Source approval of Strip seal expansion joints.

Ref. :- Your letter no. BNSL/SAGAR-MOHARI/1305 dated 18/03/2024 Regarding Submission of Strip seal expansion joints Test Certificate (Supplier-Deevin Seismic Systems Pvt. Ltd.).

Dear Sir,

With reference to the above subject that you have submitted the test certificate without its manufacturer company credential report and other required related documents of strip seal expansion joints. Authority Engineer instructed you that please submit the report as per the guideline of NHAI-Circular for simplifying the process of product approval in NHAI.

- (i) Submission of Manufacturer Test Certificate along with Third Party Test report from NABL accredited Laboratory.
- (ii) Field tests of individual batches/lots.
- (iii) Credentials of Manufacturer company Etc.

Authority Engineer reviewed your submission found Deevin Seismic Systems Pvt. Ltd. Strip seal expansion joints approved in various highways, railways and metro rail projects. Hence, we are instructing to you make a joint inspection program of company site visit and third party testing in presence of Authority and Authority Engineer representative for further approval.

Thanking you and expect better co-operation in all time.

With regards,

(Rakesh Kumar Tiwari)
Team Leader
Highway Engineering Consultant
Sagar, (M.P.).

Copy to: - (i) Project Director, PIU Sagar, National Highway Authority of India, for information.



CMEC Consulting Engineers Pvt. Ltd. Jv with AICONS Engineering Pvt. Ltd.

In Association with KPS Engineers Pvt. Ltd.

(Authority's Engineer for Supervision of NH-6 (Dulte-Champhai) Pkg I, II & III)



Ref: CMEC/NHIDCL/AE/Approval/NH-6/PKG-II/125

Date : 09.11.2023

To
M/S. Dwarakamai Construction Pvt. Ltd.
Flat No 501, 5th Floor, Ramnagar Main Raod
Anantapuramu-515004

Sub: "Rehabilitation and Up-gradation to 2 lane with paved shoulders of Dulte - Champhai road (International Corridor) of NH-6 from Design Chainage Km 72.350 to km 84.800 (Package-II) in the State of Mizoram under Bharatmala Pariyojna on EPC mode"- Reg. Vendor Approval of Bridge Bearing.

Ref: 1) DMC/MIZORAM/2023/394, Dated:03.11.2023
2) MoRT&H Circular RW/NH-34054/2/2011-S&R(B), Dated: 14.08.2018

Dear Sir,

With reference to above mentioned cited subject and letters.

We have reviewed the company profile for M/s Deevin Seismic Systemes Pvt Ltd, Plot No 73-B, Sector-C, Industrial Area, Mandideep Raisen (M.P.) submitted for supply of Bridge Bearing to use in bridge under construction at Ch. 72+370.

Credentials reviewed by our material expert and found satisfactory. Hence we accord our initial approval as vendor/source of supply of POT-PTFE bearing subject to following conditions:-

- ❖ All the guideline as per MoRT&H section 2000 and stipulations of the Contract Agreement including MoRT&H Circular referred at Serial no.(2)
- ❖ Prepare & submit design and drawings for bearing.

Final approval will be processed, based on the evaluation of factory visit report and test results.

It is pertinent to mention here that As per clause 27.5 of CA any approval accorded by Authority Engineer, shall not relieve the contractor of any of his duties, obligations or responsibilities.

Regards

Team Leader
CMEC Consulting Engineers Pvt. Ltd.
In JV with AICONS Engineering Pvt. Ltd. & Association
With KPS Engineers Pvt. Ltd.

Copy to :

1) The General Manager (P),NHIDCL PMU-Seling,Mizoram,Email id:pmu.seling@nhidcl.com
for kind information.



Hexa Private Joint
Stock Company



LN Malviya Infra
Projects Private limited



Nokang Infra
Private Limited

PROJECT CONSULTANT SITE OFFICE
3rd Floor, Gupta Building, Hari Vishram Bhawan,
Lower Panthaghati, Mehli-Shoghi By Pass Road,
Shimla-H.P-171009
Email ID: hexa.lnmshimlabypass2023@gmail.com
info.hexaco@gmail.com

LNMIPPL/KAITHLI-SHAKRAL/PKG-1/2023-24/0193

Dated: 05.01.2024

To,
Shimla Bypass Kaithlighat Shakral Pvt. Ltd.
Shimla-171005, H.P.

Subject:-"Independent Engineer Services for (i) Construction for Four laning of NH-5 from Kaithlighat to Shakral Village (Package I from Km 128+835 to Km 146+300 for Design length - 17.465 Km) in the state of Himachal Pradesh on Hybrid Annuity Mode". **Reg: - Submission of credential of DEEVIN SYSTEM PVT. LTD. for Source approval.**

Ref: - 1. SBKSPL/HAM-01/373 dated 21.09.2023.
2. SBKSPL/HAM-01/450 dated 26.10.2023.
3. LNMIPPL/KAITHLI-SHAKRAL/PKG-1/2023-24/0173 dated: 06.12.2023.

Dear Sir,

This has a reference to above cited subject and letter under reference sl. no. 3, vide which factory visit to M/s DEEVIN SYSTEM PVT. LTD., 37-B, Sector-C, Mandideep- 462046, Raisen, M.P., was carried out for source approval of bearing material.

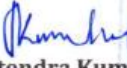
Therefore, based on the satisfactory factory inspection visit and Ministry letter no. RW/NH-34054/2/2011/S&R (B) dated 20.07.2016, we are hereby according our concurrence for procurement of said material from aforesaid agency conforming to IRC: SP: 87-2019 (clause 7.12.2), MoRTH Specifications and Ministry letter No. RW/NH-34054/2/2011/S&R (B) dated 14.08.2018.

The right to reject the lot without any prior notice is hereby reserved, if found any defects in surface finishing, shape or any other discernible superficial defects at project highway.

This is for your information and necessary action in this regard.

Your truly,

For Hexa Private Joint Stock Co. JV with
M/s L.N.Malviya Infra Projects Pvt. Ltd. &
Association with Nokang Infra Pvt. Ltd.


Jitendra Kumar Singh
(Team Leader)



Copy to:

1. P.D. NHAI, PIU-Shimla, Email:pdpiushimla@gmail.com.
2. Mr. Avneesh Bajaj, Project Coordinator, Email:abajaj.lnm@gmail.com.
3. DGM, RVNL, Chandigarh, Email: - piurvnlcdg@gmail.com.

M/s Hexa Private Joint Stock Company
D-39, 10th Floor, Pocket- 9A, DDA HIG Flats, Jasola, New Delhi- 110025
Email - info.hexaco@gmail.com / hexa.india@hexa.ir Tel No. +91-11-45796271



Technocrats Advisory Services Pvt. Ltd.
Joint Venture with
AICONS Engineering Pvt. Ltd.



Ref no: TASPL-AICONS/NHAI/AE-Sagar Link Road/MP/TL/2022-23/214 Date: 07.11.2023

To
M/s.PD Agrawal Infrastructure Ltd. -
Prakash Asphaltting & Toll Highways (India) Ltd. (JV)
6, Joy Builders Colony, Near Rani Sati Mandir
Y.N. Road Indore (MP) – 452003
Email: pdagrawal_indore@yahoo.com

Sub: Consultancy services of Authority's Engineer for Construction of 4 lane Greenfield highway from km. 134+737 to km. 163+253 (Sagar Link Road – Berkhedi-Sagar) under BharatmalaPariyojana in the state of Madhya Pradesh on EPC mode: - **Source approval of Bridge Bearing POT, POT-cum-PTFE, Elastomeric and Expansion joints– reg: -**

Ref.- PDAIL/NHAI/SAGAR/DEPT/TL/2022-23/915,Dated 30.10.2023

Dear Sir

With reference to the above cited subject and reference, the factory visit (M/s Deevin Seismic Systems Pvt. Ltd.) was made by Mr. Anupam Kurele Manager (Tech), Mr. Jitendra Yadav Manager NHAI PIU Sagar and from AE side Mr. Pramod Dubey (Bridge Engineer), Mr. Anup Kumar (SQME) & Manohar Chourasia (AQME) and your representative on 27.10.2023 & 28.10.2023.

Based on above, we hereby accorded our approval of the source for Procurement of Bridge Bearing POT, POT-cum-PTFE, Elastomeric and Expansion joints by M/s Deevin Seismic Systems Pvt. Ltd. subjected to fulfillment of following conditions -

- Every consignment brought to site should be supported with Manufacturer Test Certificates (MTC) and the same shall be submitted to the AE.
- Testing and acceptance shall be as per clause 2005.4 of MoRT&H (5th Revision).
- Storage and handling shall be as per clause 2005.6 of MoRT&H (5th Revision).

This is for your information and necessary action.
We assure you of our full cooperation all the time.

Regards,

For Technocrats Advisory Services Pvt. Ltd.
Joint Venture With AICONS Engineering Pvt. Ltd.

For

Authorised Signatory

CC: - 1. PD, NHAI PIU Sagar for information
2. Aicons engineering Pvt. Ltd. Bhopal for information

Project Office: C/o Manoj Verma / Umakant Verma, Gali No. 4, Near Hanuman Mandir Park, Vaishali Nagar, Sagar – 710600
Email: tl.sagarlink@gmail.com, Mob. No. +91 9713214923
Technocrats Address: Flat No. 68, Ajanta Apartment, 36 I.P. Extension Patparganj Delhi-110092.
Ph.: 09654388619, Email: taspdirdelhi@gmail.com
AICONS Address: 06, Janki Residency, Near Mandakini Square, Kolar Road, Bhopal (M.P.)- 462042.
Ph.: 0755-4004002, Email: aiconsgroup@gmail.com



NARMADA WATER RESOURCES WATER SUPPLY AND KALPSAR DEPARTMENT

નર્મદા જળ સંપત્તિ પાણી પુરવઠા અને કલ્પસર વિભાગ

Office of the Superintending
Engineer

Bhadbhut Project Circle,

Behind I.T.I, Ukai Canal Colony,

Piraman Road,

Ankleshwar-393001

E-mail: sebpbcbaruch@gmail.com



અધિક્ષક ઇજનેરશ્રીની કચેરી,

ભાડભૂત યોજના વર્તુળ,

આઈ.ટી.આઈ. પાછળ,

ઉકાઈ નહેર કોલોની, પીરામણ રોડ,

અંકલેશ્વર-૩૯૩૦૦૧

ઈ-મેઈલ:sebpbcbaruch@gmail.com

No.-BPC/PB Bhadbhut/Approval/Bearing/ 739

Dt. 20/12/2023

To, ✓

✓ DBL-HCC (JV),

Plot No. 5,

Inside Govind Narayan Singh Gate,

Chuna Bhatti, Kolar Road,

Bhopal - 462016 (M.P.),

Kind Attention: **Mr. Krishna Kinage**

Project Manager

Email: krishnashankarkinage@dilipbuildcon.co.in

Sub: Engineering, Procurement and Construction (EPC) contract for Construction of Bhadbhut Barrage, Flood Protection Embankments and associated works across River Narmada near village Bhadbhut of Bharuch District. (Tender ID 405170): **Approval of company profile and credential of M/S Deevin Seismic Systems Pvt. Ltd., Mandideep, Bhopal (MP) for supply of Elastomeric Bridge Bearing for Bhadbhut Barrage Project.**


- Ref:**
- 1) EPC Agency letter no. DBL-HCC (JV)/Bhadbhut/EPC/Bharuch/2023/1268, Dt. 18/07/2023
 - 2) LASA letter no. 73760/LASA/Bhadbhut-PMC/2023/1257, 16/08/2023
 - 3) EPC Agency letter no. DBL-HCC (JV)/Bhadbhut/EPC/Bharuch/2023/1365, Dt. 11/09/2023
 - 4) LASA letter no. 73760/LASA/Bhadbhut-PMC/2023/1321, 29/09/2023
 - 5) EPC Agency letter no. DBL-HCC (JV)/Bhadbhut/EPC/Bharuch/2023/1389, Dt. 08/10/2023
 - 6) LASA letter no. 73760/LASA/Bhadbhut-PMC/2023/1398, 08/11/2023
 - 7) Executive Engineer, Bhadbhut Project Division No. 1, Bharuch vide: BPDN1/PB/Source Approval/Bearing/879, Dt.14/12/2023

Gentlemen,


Following submission from DBL-HCC (JV) is hereby approved in line with recommendations given by PMC(Lasa-ref. 6) & Office of Executive Engineer 1 (ref. 7) as follows.



LATEST PURCHASE ORDERS



DMIA - NYATI LLP
House.No. 15, Parshvanath Vihar, Kunhari, Kota - 324008,
Rajasthan, India
Tel : 0, Fax : 0
Email : dmiaindia@dmiagrp.com
Website : dmialandindia.com



NYATI
PURCHASE ORDER
NO: 004363

VENDOR
Name :- Deevin Seismic Systems Pvt. Ltd.
Address :- 73- Sector C, Industrial Area, Mandideep, Raisen - 462046(M.P)
Tel/Fax No.
Attention : Saran Mohide
9653311715
GST No :

Work Site : DMIA NYATI(PACKAGE 10)
Contact Person : Jayanta Kumar Nayak
Tel No : 7838343540

Date : 20 Dec 2021
RO Ref : DMIA/NHAI/DVE-P10/MAT/oth-EJ-Stripseal/10/-RM 2578 X
INR 6400
Vendor Ref : Quotation Dated 016/011/2021 - 17 Dec 2021
Project : DMIA NYATI

Payment Type
Credit - 0 Days

Currency
Indian Rupee

Total Value
11,949,355.00

We are pleased to submit here below our order for the supply of the materials outlined in the quantities specification thereon.

With reference to the above, We are pleased to place the order of the Following items with terms and conditions mentioned thereof.

S.No	Description	Unit	Qty	Unit Price	Total
1	Strip Seal Expansion Joint	Rmtr	1,698.000		
2	Modular Expansion Joint	Rmtr	206.000		
	Add IGST			18.00%	
	Amount				
	Total :				

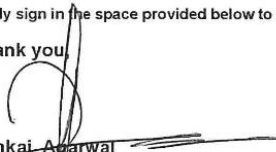
Other Terms & Conditions

1. Delivery location: DMIA Casting yard, Village Babai, Tehsil Indergarh ,Dist Bundi, Rajasthan – 323613.
2. Contact Person: Mr. Wadkar Vijay : 7447455987.
3. All other Terms & Conditions as per Annexure Attached.
4. The total price is inclusive of GST @18 and transportation extra

1. Services/Goods delivered must confirm with the specifications and terms of this order and/or sample shown to us and is subject to our inspection and approval.
2. We reserve the right to cancel this order if services/materials are not delivered as per specification or sample shown to us or within the specified time.
3. Time is essence of this contract. In the event of failure to deliver the goods/Services within the specified period, we reserve the right to claim damages.
4. Acknowledgement copy of this order form must bear suppliers rubber stamp, signed and acknowledged as confirmation of acceptance.
5. The order number must appear on all invoices, packages, delivery and correspondence.
6. Please invoice in duplicate indicating delivery note number and date of delivery.
7. Subject to Hyderabad Jurisdiction.

Kindly sign in the space provided below to confirm your acceptance of the P.O. and all the terms and conditions stated therein.


Thank you,



Pankaj Agarwal
Chief Executive Officer

Acknowledge Acceptance of this PO and agreed with all terms and conditions therein.

Signature:
Name:
Position:
Date:
Co Chop:



Registered Address - 204, 2nd Floor, Manjeera Trinity Corporate, JNTU- HiTech City Road, Kukatpally, Hyderabad-500072, Ph : 040-29880406, LLPIN: AAU-8862

Page 1 of 1



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

PURCHASE ORDER

Project Name : Bundelkhand Expressway PKG-6



DILIP BUILDCON LIMITED
INFRASTRUCTURE & BEYOND

Vendor Details	PO No. : 4000047275 Ver. No.: 1 Dated : 22.11.2021 This is amended Purchase Order with latest version.
10000176 - DEEVIN SEISMIC SYSTEMS PVT LTD	Quotation No : Your Reference :
Address : 73-B, SECTOR C, INDUSTRIAL AREA MANDIDEEP DISTT. RAISEN MANDIDEEP - 462046 Madhya Pradesh, India Contact Person : State & Code : Madhya Pradesh (23) E-Mail ID : ajaysinghthakur@dilipbuildcon.co.in GST No : 23AACCD8996P1ZT PAN No : AACCD8996P	Delivery Address : VILL-KAKRAHI NEAR PAKKA TAAL TEHSIL-BHARTHNA Uttar Pradesh Etawah - 206242 Uttar Pradesh, India Contact Person : State & Code : Uttar Pradesh (09) Note: Deliver Goods only to the Address mentioned in dispatch schedule section. Billing Address : GRAM PASAIYYA, DAGMAGPUR PARGANA PAHADI, TEHSIL SADAR MIRZAPUR - 231001 Uttar Pradesh, India GST No : 09AACCD6124B1Z4 PAN No : AACCD6124B

We are pleased to place our Order on you for the following material/services subject to terms & condition and instructions as specified.

Sr. No.	Item Description	HSN Code	Qty.	UOM	Unit Rate	CGST %	SGST %	IGST %	UGST %	Amount Excl Tax
1	MODULAR EXPANSION JOINT WIDTH 500 MM	73081000	296	M						
Without Sinus Plate for 3 Seal Modular Expansion Joint										
2	MODULAR EXPANSION JOINT WIDTH 500 MM	73081000	223	M						
Without Sinus Plate for 2 Seal Modular Expansion Joint										
3	MODULAR EXPANSION JOINT WIDTH 500 MM	73081000	141	M						
With Sinus Plate for 2 Seal Modular Expansion Joint										
Total Value Excluding tax									25,542,500.00	
CGST									0.00	
SGST									0.00	
IGST									4,597,650.00	
UGST									0.00	
CESS									0.00	
TCS									0.00	
Total Value Including tax									30,140,150.00	
Order Value in Words : Rupees Three Crores One Lakhs Forty Thousand One Hundred Fifty only										
Specific Terms & Conditions :-										
Payment Terms										
Payment Mode :- ADVANCE										

Regd. Office Address :- PLOT NO 5, BHOPAL - 462016, Madhya Pradesh

Ph : 91-7554029999, Fax : 91-7554089998 Email : db@dilipbuildcon.co.in, Website : , CIN No. : L45201MP2006PLC018689

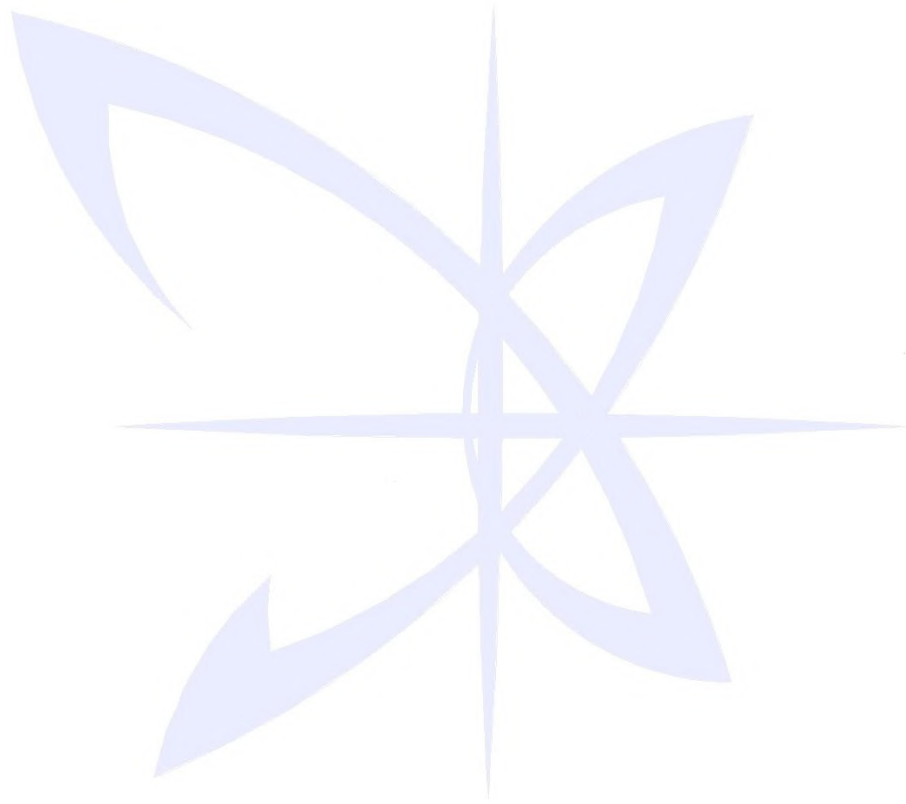
Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683





Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

PURCHASE ORDER				Created On: 25.01.2024			
 VEDU Infrastructure Pvt Ltd (CIN: U45309DL2021PTC376678) Corp. Office : 7F, Unit No.701,Nirvana Courtyard, Block C, Nirvana Country, Sector 50, Gurgaon, Haryana - 122018 Phone No.: 0124-4338000 Reg. Office : BU-5, 2nd floor, S.F.S. Flat, Outer Ring Road, Pitampura, Delhi - 110034 Phone No.: 011-47581001							
Vendor Details Vendor Code: 5000925 GSTIN No.: 23AACCD8996P1ZT M/s DEEVIN SEISMIC SYSTEMS PVT. LTD. 73B,73A,60, SECTOR C, INDUSTRIAL AREAMANDIDEEP, RaisenRaisen Raisen- 462046, Madhya Pradesh, India				PO No: 1100002961 Appr. Date: 25.01.2024 PR No: 2200001354 Appr. Date: 18.01.2024 Plant Code: 1101 (Chittoor Project) Buyer Name: Mr. SHAHID PERWEZ Buyer Mob: Pur. Grp: CVL - Civil Group Email Id:			
Billing Address VEDU Infrastructure Pvt Ltd Gangadhara,NelloreSecond Floor,Door no.26, Puttar main Road Opp. Petrol Pump Chittoor - 517125, Andhra Pradesh, India GSTN NO.: 37AAHCV8882H1ZL				Delivery Address VEDU Infrastructure Pvt Ltd Gangadhara,NelloreSecond Floor,Door no.26, Puttar main Road Opp. Petrol Pump Chittoor - 517125, Andhra Pradesh, India			
We are pleased to place our order on you for the following materials/services subject to terms & conditions and instructions specified here.							
SNo	Item Code / HSN Code Item Description	Delivery Schedule	UOM	Quantity	Rate (INR)	Disc (%)	Amount (INR)
10	1107030014 / 73080000 MODULAR EXPANSION JOINT 2 Seal Type as per per Morth Speification Warranty – As per IRC Standards. IGST@ 18.00% - 948202.00	15.03.2024	M	234.124			
Basic IGST Total Order Value							
Amount in words: Rs. Sixty Two Lakh Fifteen Thousand Nine Hundred Ninety Two Only							
Special Instructions: Kindly put PO No. & GSTIN No. in all documents (Invoice, Challan & Lorry Receipt etc.)							
For VEDU Infrastructure Pvt Ltd Authorized Signatory				 For M/s DEEVIN SEISMIC Authorized Signatory			

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



AAKSHYA INFRA PROJECTS PVT LTD

Email : purchase@aakshya.com
PURCHASE ORDER

To,
M/s DEEVIN SEISMIC SYSTEMS PVT.LTD
73B,73A,60, SECTOR C, INDUSTRIAL AREA
MANDIDEEP-462046
PH. 07480-299337,
PAN No. AACCD8996P
GST No. 23AACCD8996P1ZT
State Name MADHYA PRADESH

Order No. : AIPPL/OCT/SBR-687/2024-2025
Order Date : 29/10/2024
Valid From : 29/10/2024 To 28/11/2024
Indent No. : SBR-608 (9-10-2024)
Indent Date : 09/10/2024

Delivery/ Shipping Address:

CIDCO BRIDGE SBR 9
Pargaon, Dungi CIDCO land Near Dapoli
Targarh road, Navi Mumbai, Pin code 410206
Contact Person- Mr. Jitendra Taral Mob No.
8826318698
GST No.:27AAXCA0889M1ZP
State Name.:MH

Billing Address:

AAKSHYA INFRA PROJECTS PVT LTD
501, WING A, 5TH FLOOR,
Godrej Coliseum Co-op Prem Society,
Sion Circle Flyover,
Mumbai Suburban,
Maharashtra-400022
GST No. : 27AAXCA0889M1ZP

PO Subject : Purchase order for Supply & Supervision of Expansion Joint

Please supply the undermentioned material(s)/spare parts subject to the conditions herein below.

Sr.	Item Code	Items	HSN Code	Qty.	Unit	Rate	Taxable Amt.	IGST Rate/Amt.
1	10351	MONOLITHIC STRIP SEAL EXPANSION JOINT [LOOP TYPE, As per IRC: SP:69-2011, Movement upto - 80 MM]	73089090	2155. 0000	RMT			
Total				2155				
Total								
GST Amount								

Rupees:

Terms & Conditions:

1) **Payment Mode :** Through RTGS / NEFT.

2) **Payment Terms :**

3) **Detail of Expansion Joint :** DETAIL OF EXPANSION JOINT (P21-P25) FOR ROAD TO BR-4
DETAIL OF EXPANSION JOINT (P44-P48) FOR ROAD TO BR-5
DETAIL OF EXPANSION JOINT (P26-P32) FOR ROAD TO KHANDESHWAR
DETAIL OF EXPANSION JOINT (P33-P43) FOR ROAD TO NH4B

4) **Delivery Charges :**

5) **Delivery Terms :** 400-500 Mtrs. in a single Lot Within 3 weeks from the date of approval of the Drawing, balance lot schedule will be intimated 1 month before dispatch is required.

6) **Material Specification :** MATERIAL WILL BE LOOP TYPE
EDGE BEAM - STEEL OF IS2062 GRADE B
ANCHOR LOOP - STEEL OF IS2062 GRADE B
ANCHOR PLATE - STEEL OF IS2062 GRADE B
STRIP SEAL - NEOPRENE/ EPDM
MS PLATES - MILD STEEL (IS:2062, E250/E350)
BOLTS - 8.8 GADE.

This PO is computer generated don't required any signature.

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



**PD Agrawal
Infrastructure Ltd.**

CIN: U45203MP2001PLC014904



6, Joy Builders Colony, Y N Road, Indore - 452 003 (M.P.)
0731-2430167, 2544370
info@pdainfra.com
www.pdagrawalgroup.com

PDAIL/24-25/HO/576

Date : 11.09.24

To,
M/s. Deevin Seismic Systems Pvt. Ltd.
73-B, Sector C, Industrial Area
Mandideep, Bhopal (M.P) - 462046
GST No. 23AACCD8996P1ZT
Mail id: info@deevinss.com; sales@deevinss.com; mithileштиwari@deevinss.com
Contact No. 9425027038 - Mr. Mithileштиwari (RSM)

Sub : Purchase order of Expansion Joint for Sagar Site
Ref : Your quotation dated, 11.09.2024

Dear Sir

With reference to the above subject, we are pleased to place an order for following items.

Sr. No	Item Description	Qty (RMT)	Rate	Amount
01.	Expansion Joint – 12.5 mtr. Length – 40 Nos.	500		
02.	Expansion Joint – 10.5 mtr. Length – 07 Nos.	73.5		
03.	Expansion Joint – 17.307 mtr. Length – 08 Nos.	138.456		
04.	Expansion Joint – 23.899 mtr. Length – 02 Nos.	47.798		
05.	Expansion Joint – 12 mtr. Length – 08 Nos.	96		
			Add : GST @ 18%:	
			Grand Total:	

Rupees :

Remark:- The above mention amount is inclusive of GST

Note : Approval Letter with Drawing of Expansion Joint attached for your ready reference.

Our Billing Details:
M/s P.D.Agrawal Infrastructure Ltd,
6 Joy Builders Colony,
Near Rani Sati Mandir,
Indore 452003
GSTIN : 23AACCP3626N1ZC
PAN NO.:-AACCP3626N

Delivery Address:
M/s P.D.Agrawal Infrastructure Ltd,
Sagar Link Road Project, Nariyawali, Sagar – 470115
Contact :Mr. Sanjay - 8085491519
Mr. Shailendra Khare – 9669697044

Terms & conditions: -

Along with Bill Please Enclose: -

1. Delivery Challan duly acknowledge.
2. Original Invoice & Copy of I/R.
3. If the material or parts supplied by you are not used than will be returned to you.
4. If not supplied as per specification same will be rejected you shall replace at no extra cost.
5. Test Certificate is must.

6. **MSME :** Whether your firm / company is registered under Micro Small & Medium Enterprises (MSME), if yes, provide PAN & Certificate of Registration. If you have not provided such information within 7 days then we will consider you are not registered in MSME

Thanking you,
Yours truly
For P. D. AGRAWAL INFRASTRUCTURE LTD.

Authorized signatory

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



Business Unit: RD-Guyana, Phase-I (1351)

Document No: FR/CO/DO/PR/PU/7D SAP | Issue No: 02 Date: 01.08.2018 | Rev No: 01 Date: 01.08.2018

Ashoka Buildcon Limited

PURCHASE ORDER

Supplier Name & Address : 500115880 DEEVIN SEISMIC SYSTEMS PVT. LTD , 73 B, SECTOR C, INDUSTRIAL AREA , MANDIDEEP , BHOPAL . PAN No : AACCD8996P GST No : 23AACCD8996P1ZT Vendor : Registered Region : Madhya Pradesh	Order No. : 11234505 Order Date : 04.07.2024 Order Rev.No. : : Order Rev.Date : : Amendment Reason : : Quotation No. : DSSPL_QTN_ABL_2024_3_0093 Quotation Date : 27/06/2024 Kind Attention : Palash Mishra Cell No (Vendor) : 7470766801 Contact Person (ABL) : Mr.Bimal Pradhan Cell No (ABL) : 8658194802/9769088267	Bill to Address : Ashoka Buildcon Limited , Ashoka Buildcon Limited , Navi Mumbai , NAVI MUMBAI , 410209 . Ship to Address : Ashoka buildcon Ltd., Survey No 32/7, 32/4/A H No-4, Dighode Jasai Road, Near Bus Stop, Mumbai-400702.
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Please supply the following items in accordance and subject to following terms and Condition.

#	Item Code	HSN / SAC	Description	Unit	Qty	Rate (In INR)	Amount
1	11001778	730890	ASPHALTIC PLUG JOINT Providing Asphaltic Plug type Expansion Joints capable of taking 25mm movement; complete as per drawings and Technical Specification Section 2600 and/or as directed by the Engineer. Backer Rod : Not Incl. Nails : 6MM x 45 SS Nails @ 300mm C/C Total Qty : 4080 Nos Closure Plate : Closer Plate 200 x 6 mm (IS 2062 E250) With 100 Micron Galvanised Quoting Length of Each Plate : 4.425 Meter Total : 272 Nos Weight : 9.5 Kg/Meter of each plate IGST@ 18.000 % - 259414.92	M	1,203.000		

Our Tax Details (Ashoka Buildcon Limited)

GST TIN : 27AABCA9292J1ZA
PAN NO : AABCA9292J
CIN NO : L45200MH1993PLC071970
VAT TIN :

Pre Pricing
IN: Integrated GST
Post Pricing
ROUND OFF(-)

Rupees

Total Order Value:

PLEASE READ THE GENERAL TERMS AND CONDITIONS PRINTED OVERLEAF, WHICH ARE PART OF THIS PURCHASE ORDER.

- 1.Payment shall be released based on PO acceptance by return mail.
- 2.Supplier organisation shall revert with correction in price based on reduction in market rates.
- 3.It is mandatory to mention GST number in the invoice and challan.

Terms & Delivery: CIP-CIDCO, Mumbai.

Payment Terms:

Order Valid Up To: 30.08.2024

Delivery Schedule: WITHIN 4-5 WEEKS FROM ISSUE OF APPROVED SHOP DRAWING, SHOP DRAWING AND DESIGN TO BE SUBMITTED FOR APPROVAL WITHIN 7 DAYS FROM RELEASE OF PO.

Packing Instruction: Pallat Packing & Foam Packing 12 To 15 Nos Pic/ 1 Packing

Test Certificate: REQUIRED ALONG WITH BILLS & CHALLAN.

Others:

"This is a System approved Order and signature is not required"

For Ashoka Buildcon Limited

Prepared by :

Reviewed by :

Authorized Signatory

Received & Accepted by Supplier

Date :

Regd. Office: S. No. 861, Ashoka House, Ashoka Marg, Vadala, Nashik - 422 011

Corp. Office: Ashoka House, Ashoka Marg, Nashik - 422011, Maharashtra, India, Tel: 0253-6633705 Fax:0253-2236704

Website: www.ashokabuildcon.com

THIS PURCHASE ORDER IS SUBJECT TO Nashik "India" JURISDICTION ONLY

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



ITD Cementation India Limited

PURCHASE ORDER

Commitment, Reliability & Quality

Vendor Code : 10037929 DEEVIN SEISMIC SYSTEMS PVT LTD 73B 73A,60, SECTOR C INDUSTRIAL AREA, MANDIDEEP, Raisen Madhya Pradesh RAISEN - 462046 Madhya Pradesh, India GST No : 23AACCD8996P1ZT	PO No. : DHO/4000000933 PO Date : 06.06.2023 Your Reference: Your Quotation via email
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Bill To	Ship To	Invoice To be Submitted To
ITD Cementation India Limited Marine-C03, DGPS Indian Navy, Karwar-KA Project Seabird, Phase-2 MWC-03 Package Shankrubag Gate,Dist-Karwar Karwar 581308 Karnataka India GST No:29AAACT1426A1ZV	ITD Cementation India Limited Marine-C03, DGPS Indian Navy, Karwar-KA Project Seabird, Phase-2 MWC-03 Package Shankrubag Gate,Dist-Karwar Karwar 581308 Karnataka India GST No:29AAACT1426A1ZV	ITD Cementation India Limited Marine-C03, DGPS Indian Navy, Karwar-KA Project Seabird, Phase-2 MWC-03 Package Shankrubag Gate,Dist-Karwar Karwar 581308 Karnataka India

Indent Reference: 2000074980 dated 17.03.2023 , 2000074980 dated 05.05.2023

Project : 0500 Marine-C03, DGPS Indian Navy,

Please supply following against this order, In accordance with the terms and conditions below.

Sr. No.	Item Description	HSN Code	Qty	UoM	Unit Rate (INR)	Amount (INR)
1	FLOOR EXPANSION JOINT SYSTEM Single Layer Strip Seal Joint Pier 8 (Grid 12-14 R) For 50 mm Expansion Gap Maximum Opening - 60 mm Minimum Closing - 40 mm (IGST 18.00 % Extra)	83071000	17.000	M		
2	FLOOR EXPANSION JOINT SYSTEM Single Layer Strip Seal Joint Pier 8 (Grid 12-14 M/H) For 50 mm Expansion Gap Maximum Opening - 60 mm Minimum Closing - 40 mm (IGST 18.00 % Extra)	83071000	34.000	M		
3	FLOOR EXPANSION JOINT SYSTEM Single Layer Strip Seal Joint Pier 8 (Grid 12-14 D) For 50 mm Expansion Gap Maximum Opening - 60 mm Minimum Closing - 40 mm (IGST 18.00 % Extra)	83071000	17.000	M		
4	FLOOR EXPANSION JOINT SYSTEM Single Layer Strip Seal Joint Pier 8 (Grid 14 S) For 50 mm Expansion Gap Maximum Opening - 60 mm Minimum Closing - 40 mm (IGST 18.00 % Extra)	83071000	14.000	M		

Registered & Corporate office

ITD Cementation India Limited
9th Floor, Prima Bay, Tower - B,,Gate No. 5, Saki Vihar Road,
Powai,Mumbai-400072,
Maharashtra, India
Phone : 02266931600 Fax : 02266931627/28
Corporate Identity Number: L6100MH1978PLC020435
I. E. C. : 0388068876

Created By : Anshul Pandey

For and on behalf of ITD Cementation India Limited

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ITD Cementation India Limited

Commitment, Reliability & Quality

PURCHASE ORDER

PO No. : DHO/400000933		PO Date : 06.06.2023					
5	FLOOR EXPANSION JOINT SYSTEM Single Layer Strip Seal Joint Pier 8 (Grid 14 L and 14 J) For 50 mm Expansion Gap Maximum Opening - 60 mm Minimum Closing - 40 mm (IGST 18.00 % Extra)	83071000	28.000	M			
6	FLOOR EXPANSION JOINT SYSTEM Single Layer Strip Seal Joint Pier 8 (Grid 14 C) For 50 mm Expansion Gap Maximum Opening - 60 mm Minimum Closing - 40 mm (IGST 18.00 % Extra)	83071000	14.000	M			
7	FLOOR EXPANSION JOINT SYSTEM Single Layer Strip Seal Joint Pier 9 (Grid 12-14 H) For 50 mm Expansion Gap Maximum Opening - 60 mm Minimum Closing - 40 mm (IGST 18.00 % Extra)	83071000	17.000	M			
8	FLOOR EXPANSION JOINT SYSTEM Single Layer Strip Seal Joint Pier 9 (Grid 12-14 D) For 50 mm Expansion Gap Maximum Opening - 60 mm Minimum Closing - 40 mm (IGST 18.00 % Extra)	83071000	17.000	M			
9	FLOOR EXPANSION JOINT SYSTEM Single Layer Strip Seal Joint Pier 9 (Grid 14 J) For 50 mm Expansion Gap Maximum Opening - 60 mm Minimum Closing - 40 mm (IGST 18.00 % Extra)	83071000	14.000	M			
10	FLOOR EXPANSION JOINT SYSTEM Single Layer Strip Seal Joint Pier 9 (Grid 14 C and 14 A) For 50 mm Expansion Gap Maximum Opening - 60 mm Minimum Closing - 40 mm (IGST 18.00 % Extra)	83071000	28.000	M			
11	FLOOR EXPANSION JOINT SYSTEM Single Layer Strip Seal Joint Arm. Wharf (Grid 10-11) For 50 mm Expansion Gap Maximum Opening - 70 mm Minimum Closing - 31 mm (IGST 18.00 % Extra)	83071000	34.000	M			
12	FLOOR EXPANSION JOINT SYSTEM Single Layer Strip Seal Joint Arm. Wharf (Grid 20-21) For 50 mm Expansion Gap Maximum Opening - 70 mm Minimum Closing - 31 mm (IGST 18.00 % Extra)	83071000	34.000	M			
13	FLOOR EXPANSION JOINT SYSTEM Single Layer Strip Seal Joint Arm. Wharf (Grid 2) For 50 mm Expansion Gap Maximum Opening - 70 mm Minimum Closing - 31 mm (IGST 18.00 % Extra)	83071000	15.000	M			
14	FLOOR EXPANSION JOINT SYSTEM Single Layer Strip Seal Joint Arm. Wharf (Grid 29) For 50 mm Expansion Gap Maximum Opening - 70 mm Minimum Closing - 31 mm (IGST 18.00 % Extra)	83071000	15.000	M			





DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



SRC INFRA DEVELOPERS PRIVATE LIMITED	
PURCHASE ORDER	
To, Deevin Seismic Systems Pvt. Ltd. 73-B, Sector C, Industrial Area, Manideep, Bhopal (M.P.) – 462 046 Ph: 07480-299337 Email - sales@deevinss.com GST No. 23AACCD8996P1ZT	P O NO : PO/SRC/22-23/NH544E-HDP/109 P O Date : 06-02-2023 Job Ref : ANANTAPUR Site : NH544E-HDP
Billing Address SRC Infra Developers Private Limited No. 7/272, Kakateeya Residency Court Road Anantapur – 515 001 GSTIN - 37ABCCS0677B1ZI	Delivery Address SRC Infra Developers Private Limited NH544E Urban Link Project, Jayamangli River, Parigi (V), Hindupur (T), Anantapur (D) – 515 201 Contact Person: Mr. Manohar – 9182928562 / 9121276264 Mr. Venkatesh – 9398732541

Dear Sir,

Ref: Quotation No. KZDSSPL /SRC/BB/HINDUPUR-PARIGI-AP/0123-55 Dt. 23-01-2023

We are pleased to inform you that your offer has been accepted for below requirement as per below mentioned terms and conditions. Kindly arrange to supply the following accordingly.

Sl. No.	Particulars	Units	Qty	Price / Unit	Amount
1	Strip Seal Expansion Joint Anchor & Loop Type	Mtrs.	168		
				IGST @ 18%	
				Total	

Specifications :

1. Design – As per IRC SP 69 2011
2. Angle – Monolithic Design
3. Movement – Upto 80mm
4. Edge Beam Plate thickness - 10 MM
5. Anchor Phase thickness - 12 MM
6. Anchor Loop – Steel of IS2062 Grade B
7. Rubber Seal NEOPRENE

Terms & Conditions:

- The Material supplied should carry warranty period as extended by the manufacturer.
- Material damaged during transit and damaged due to manufacturing defects shall be returned and not paid for.
- Delivery Schedule – 30 Days.

Head Office: No 7/272, Kakateeya Residency, Court Road, Anantapur – 515 001

Corporate Office: 2A, 2nd Floor, Sycon Polaris, # 1-58-4, 8th Main, RMV Ext., Sadashiva Nagar, Bangalore – 560 080

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



SRI RAJA RAJESWARI CONSTRUCTIONS (INDIA) PVT. LTD.

Registered & Corporate Office:
#8-2-268/R/5, Ground Floor
Sri Laxminarsimha Sai Building,
Sagar Society road, Banjara Hills
Road No.2, Hyderabad – 500 034
Ph: 040-40064689/040-23553737
www.srrcipl.com
CIN:U45209TG2014PTC093749

GST No. 36AAUCS4880K1ZG

WO & PO No. : SRRCIPL/YESGI Bridge/2021-22/39 Date: 13-02-2023

To
DEEVIN SEISMIC SYSTEMS PVT. LTD,
73-B,Sector-C,
Industrial Area,Mandideep
Raisen-462046 (M.P.) Phone: 9425027038.

Dear Sir,

Sub: Construction of Major Bridge across Manjra River Near Yesgi Village at Km-276/500 On Renapur Ashtamod Udgir Degloor Aadampur Phata Sagroli Road NH-63 in Tq. Biloli Dist. Nanded in the state of Maharashtra on EPC was entrusted to the agency M/s SRRCIPL-SMSL (JV), Hyderabad –**Work Order issued for Supply of Expansion joints and Drainage Spouts– Reg**

Ref: Your Quotations DSSPL/QTN/22-23/287 dated 07.01.2023.

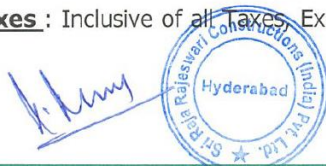
This is with reference to your quotation and subsequent discussions to carry out **Expansion joints and Drainage Spouts** Supply in accordance with the terms and conditions listed below.

SCOPE OF WORK: Expansion joints and Drainage Spouts Supply for Yesgi Bridge package by M/s DEEVIN SEISMIC SYSTEMS PVT. LTD as per the statement shown below.

SL NO	DESCRIPTION	QTY	Unit	RATE/UOM(INR)	TOTAL
1	Strip Seal Expansion Joint	621	Rmtr	₹	
2	Drainage Spout (Silver Painted)	350	Nos	₹	
				SUBTOTAL	
	*Taxes extra as applicable at the time of dispatch.			GST	
	Presently GST/IGST-18.0%			GST Amount	
				Grand Total (INR)	

TERMS AND CONDITIONS

- 1) Rate:** The above rates are ex Works @ Bhopal Plant. Transportation is in SRRCIPL Scope. Goods to be packed good for transportation by DSSPL.
- 2) Taxes :** Inclusive of all Taxes Except GST 18% extra. If government policy changes in




Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

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DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

Patel Infrastructure Ltd.				 Every Milestone is our Value					
Regd. Office: "Patel House", Beside Prakruti Resort, Chhani Road, Chhani -391740, Vadodara, Gujarat, India									
Ph. : +91-0265-277 6678 / 7778, Fax : +91-265-2777878, Email : ho@patelinfra.com									
PURCHASE ORDER									
Supplier Code	500106822	Project Name	Delhi Vadodara Expressway 30						
Supplier Name	DEEVIN SEISMIC SYSTEMS PVT. LTD.	PO No.	926008461	Date	27.03.2023				
Supplier Address : DEEVIN SEISMIC SYSTEMS PVT. LTD. 73B,73A,60, SECTOR C, INDUSTRIAL AREA Raisen - 462046 Tel : 7470766810	Quotation No	0323-85	Date	11.03.2023					
	Amendment	V0	Date	27.03.2023					
	PO Type	YBUL	Buyer Name	Nikul Sargara					
	PR No.	826005363	Buyer Number	9099039667					
	PO Valid Date	27.03.2023	PO End Date	30.05.2023					
Email ID		Site Email-1	stores.dve30@patelinfra.com						
Telephone		Site Email-2	purchase.dve30@patelinfra.com						
Mobile No	7470766810	Billing Address :							
PAN NO	AACCD8996P	Patel Infrastructure Ltd. "Patel House" Beside Prakruti Resort,							
GST No		Chhani Road, Chhani.							
Bank Name	PUNJAB AND SIND BANK	Vadodara,,391740							
Account	07421600016603	Delivery Address :							
IFSC Code	PSIB0000742	Patel Infrastructure Ltd							
Bank Branch		Khandoli Camp, Near Narmada Canal, Kalol Dakor Road, Dist-Panchmahal							
Swift Code		389320							
Bank Number		Gujarat, Mr. Gajendra (M) 63549 16574							
Please Supply the following goods subject to the terms and conditions mentioned herein.									
S.NO	Item description	Qty	UoM	Rate	Dis.%	CGST%	SGST%	IGST%	Amount (INR)
1	7PM000186-EXPANSION JOINT WITH STRIP SEAL-50MM With Stud Type Anchorage, Movement up to 80MM - DECG Make. CH No : 352+281	927.910	M						
2	7PM000186-EXPANSION JOINT WITH STRIP SEAL-50MM With Stud Type Anchorage, Movement up to 80MM - DECG Make. CH No : 355+789	85.000	M						
3	7PM000186-EXPANSION JOINT WITH STRIP SEAL-50MM With Stud Type Anchorage, Movement up to 80MM - DECG Make. VUP-30	820.512	M						
						Net Amount			
						Sub total			
						IN: Integrated GST			
						Grand Total (INR)			
Total (In Words) :									
Payment Terms As stated below									
Delivery Terms : (1) Incoterms D.A.P. (Delivery at Place) - Delhi Vadodara Expressway 30, Gujarat our Project Site. (2) Packing, Loading, Transit Insurance, Transportation will be arrange and paid by PIL.									

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



J. M. MHATRE INFRA PVT. LTD.

Engineers & Contractors

CIN No.: U45202MH2010PTC199433

HEAD OFFICE : Market Yard, Plot No. 492, Sahakar Nagar, PANVEL - 410 206, Dist. Raigad, Maharashtra.

TEL.: (022) 27451625 / 27460536 / 27459771-72-73-74-75 • Fax : 27460537 • E-mail : hopenvel@jmmipl.in • web: www.jmminfra.com

Purchase Order

P.O. No.	JMM/1708/POMH/21/00019	Supplier	DEEVIN SEISMIC SYSTEMS PRIVATE LIMITED
Date	30-09-2021		73B, SECTOR C, INDUSTRIAL AREA, MANDIDEEP, Raisen, GSTIN : 23AACCD8996P1ZT, 462046, Madhya Pradesh, India
Revision #		Supplier Ref. #	Your quotation No. DSSPL-043 & discussion with you on 30th Sept. 2021.
Payment Terms	Payment of agreed amounts at stage	Supplier Contact	
Currency	INR	Supplier Tel	
Our VAT	27600766015V	Supplier VAT	
Our CST	27600766015C	Supplier CST	
Our GST	27AACCCJ2959E1ZJ		
Project Ref	1708 - "Construction of Viaduct at Ch 10975, near Jasai Village in Uran Railway"		

Dear Sir/Madam,

We are pleased to place this order with you as per your above mentioned quote and further discussions on the matter

Line #	Description	Specification	UOM	Quantity	Rate	Amount
1	Expansion Joint (T Section Slide joint steel plate 140 x 6 mm joint with angle ISA 75 x75 x 6 mm thick welded hook suitably staggered 12 dia 150 c/c, 12 mm dia nut bolt joint angle and plate @ 300 c/c L section, Length L & T section joints 6.220 m	RDSO Expansion Joint as Per Drawing No. RDSO/B-10273/3 with TC	Nos	1.00		
2	Expansion Joint (T Section Slide joint steel plate 140 x 6 mm joint with angle ISA 75 x75 x 6 mm thick welded hook suitably staggered 12 dia 150 c/c, 12 mm dia nut bolt joint angle and plate @ 300 c/c L section, Length L & T section joints 5.770 m	RDSO Expansion Joint as Per Drawing No. RDSO/B-10273/3 with TC	Nos	6.00		
3	Expansion Joint (T Section Slide joint steel plate 140 x 6 mm joint with angle ISA 75 x75 x 6 mm thick welded hook suitably staggered 12 dia 150 c/c, 12 mm dia nut bolt joint angle and plate @ 300 c/c L section, Length L & T section joints 6.220 m	RDSO Expansion Joint as Per Drawing No. RDSO/B-10273/3 with TC	Nos	1.00		



1/3



J M M I P L



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



Document No.: FR/CO/DO/PR/PU/7D SAP | Issue No.: 02 Date: 01.08.2018 | Rev No: 01 Date: 01.08.2018

Business Unit: RD- NH-166S, Major Structure, GA (1171)

Ashoka Buildcon Limited

PURCHASE ORDER

Supplier Name & Address : 500115880 DEEVIN SEISMIC SYSTEMS PVT. LTD , 73 B, SECTOR C, INDUSTRIAL AREA , MANDIDEEP , BHOPAL . PAN No : AACCD8996P GST No : 23AACCD8996P1ZT Vendor : Registered Region : Madhya Pradesh	Order No. : 11161849 Order Date : 17.09.2022 Order Rev.No. : Order Rev.Date : Amendment Reason : Quotation No. : DSSPL/QTN/22-23/0146 Quotation Date : 29 July 2022 Kind Attention : Mr. Vishal Gargh Cell No (Vendor) : 9639702047 Contact Person (ABL) : Mr. Shreekant Dubey Cell No (ABL) : 076961 41500	Bill to Address : Ashoka Buildcon Limited , Survey no 143 1 A 1 A Thousand Palms , opp Mahalaxmi Marbles ZuariNagar , Sancoale Marmugao Goa, South Goa , GOA , 403726 . Ship to Address : Ashoka Buildcon Ltd, Near Dhargal panchayat, Via Mapusa, Pin- 403512, Goa
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Please supply the following items in accordance and subject to following terms and Condition.

#	Item Code	HSN / SAC	Description	Unit	Qty	Rate (In INR)	Amount
1	11000027	730890	EXPANSION JOINT Strip Seal type Expansion Joint 40mmthk, System SE-400, as per Ministry's Specifications, capable of accommodating movement upto 80mm. in following sizes A - DOWN RAMP ABL-MOPA-MISC-0+219-007, Rev-RA 14.80 x 2 Nos 14.65 x 1 No 14.30 x 1 No B - UP RAMP ABL-MOPA-MISC-0+807-006, Rev-RA 11.30 x 2 Nos 11.123 1 No 10.70 x 7 Nos 10.705 x 1 No C - DOWN LOOP RAMP ABL-MOPA-MISC-0+318-009, Rev-RA 10.70 x 3 Nos 10.741 x 1 No 11.415 x 1 No 11.60 x 2 Nos D - UP LOOP RAMP ABL-MOPA-MISC-0+355-008, Rev-RA 14.201 x 1No 14.20 x 2 Nos 14.449 x 1 No 14.899 x 1 No	M	1,094.351		

"This is a System approved Order and signature is not required"

For Ashoka Buildcon Limited

Sunil Jaglal Sharma

Milapraj Sampatraj Bhansali

Prepared by : Reviewed by :

Authorized Signatory

Received & Accepted by Supplier

Date :

Regd. Office: S. No. 861, Ashoka House, Ashoka Marg, Vadala, Nashik - 422 011

Corp. Office: Ashoka House, Ashoka Marg, Nashik - 422011, Maharashtra, India, Tel: 0253-6633705 Fax:0253-2236704

Website: www.ashokabuildcon.com

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.



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DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

1. ELASTOMERIC BEARING

ENGINEER & CONTRACTORS	Phone : (0) (02646) 272739, 272197 Fax : (0) (02646) 272749 E-mail : rachana1815@gmail.com hasurachana@gmail.com				
	RCC/SARKHEJ/2024/OCT/001	Purchase Order-01	CONSTRUCTION COMPANY Date: 28.10.2024		
To, Deevin Seismic Systems Pvt. Ltd. Office & Works: 73 B, Sector C, Industrial Area, Mandideep, Bhopal - 462 046. GSTIN: 23AACCD8996P1ZT					
Sub: - Purchase Order of Elastomeric Bearings for-- Upgradation to Six Lane with Paved Shoulder of Sarkhej - Changodar Section of NH 8A (New NH 47) from KM 11+950 to km 16+000 on EPC mode in the State of Gujarat. Pack. 7.					
Ref.: Your Quotation No.; DSSPL_QTN_RCC_SANATHAL_BB_2024_6_00187, REV 02, DT. 23/09/2024. Your Quotation No.; DSSPL_QTN_RCC_SANATHAL_BB_2024_7_00229, REV 01, DT. 23/10/2024.					
Dear Sarang Mohide, With reference to above and telephonic discussion with Mr. Vasantbhai Patel, please find our Purchase Order as below mentioned item and qty as agreed rate:					
Sr.	Item Description	Size of Bearings	Qty.	Rate/Nos.	Amount
1.	Manufacturing and Supply of Natural Rubber Elastomeric Bearings confirming to IRC-83 (Part-II) and with Anchorage Sleeve as per attached Drawings complete.	Details as per Drawing No. DDI 357 , dt. 15/07/2024, Rev No. R0 (GFC Drawing Attached- φ600 x 200mm)	216 nos.		
2.		Details as per Drawing No. DDI 813 , dt. 10/10/2024, Rev No. PF. (Drawing Attached- φ500 x 172mm)	176 nos.		
Basic Amount					Rs.
Gujarat Billing GST @ 18%					Rs.
Total Amount					Rs.
**Terms & Conditions:					
1) Supply of Bearing must be relevant to given Drawing No. DDI 357, DDI 813 , attached with this Purchase Order and confirming to IRC-83 (Part-II)-2018 strictly along with materials description mentioned in your offer with all required Test Certificates.					
2) The above Rates are inclusive of Taxes/GST, & All types of levies for door delivery in safe condition at Project Site as mentioned in Delivery Address.					
3) Transportation charges extra as actual will be paid by us.					
4) Delivery Time: Mutually Agreed.					
5) Payment Terms:					
Billing Address:			Site / Delivery Address:-		
M/s Rachana Construction Company. Plot No. 1815, Phase-1, GIDC, Panoli - 394 116. Ta.: Ankleshwar, Dist.: Bharuch. GST No.:- 24AACFR0292F1ZJ			M/s Rachana Construction Co. Sanathal Extradosed Bridge (Package-7), Casting Yard: - At Bakrol Junction-AUDA Ring Road, Near Sanathal Circle, Ahmedabad - 382 210, Gujarat. (M) +91 98350 35743		
You are requested to return this order after sealing and signs as acceptance from your end.					
Thanking you,					
For RACHANA CONSTRUCTION CO. <i>V. J. Patel</i> PARTNER					
CORP. OFF. 1 : Plot No. 1815, Phase-I, P.B. No. 15, GIDC, Panoli - 394 116. Ta. Ankleshwar. Dist. Bharuch. (Gujarat)					
CORP. OFF. 2 : Plot No. 144 to 147, 1st floor, Kensvilla Complex market, Nr. Ramosana Circle, Mehsana - Unjha Highway, Mehsana - 384002. Mob. : 89800 74463, E-mail : ispatelrachana@gmail.com					
BRANCH OFF. : At. & Po. Maktupur, Ta. Unjha, Dist. Mehsana. (N. Gujarat) Ph. : (O) 02767 - 256738					

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

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DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

Allone Infra Pvt. Ltd
ENGINEERS & CONTRACTORS

PURCHASE ORDER

To,
M/s DEEVIN SEISMIC SYSTEMS PVT. LTD.,
73B, SECTOR-C, INDUSTRIAL AREA, MANDIDEEP,
BHOPAL (M.P) -462046
GST No. 23AACCD8996P1ZT
State Name: - MADHYA PRADESH
CIN: U45200MP2008PTC044683

Order No.: AIPL/HO-9/SEPT/2024
Order Date : 16.09.2024
Valid From : 16/09/2024 To 30/9/2024
PO For : CIVIL
Quotation No: DSSPL_QTN_AIPL_DAMOH
KHAS_BB_2024_4_00102
Quotation Date: 04TH JULY 2024
Quotation By: PALASH MISHRA

Billing Address:

ALLONE INFRA PVT. LTD
146,FUTERA WARD NO 01,GURU GOVIND SINGH
WARD NO 36,DAMOH KHAS,DAMOH
MADHYA PRADESH - 470002
GSTIN : 23AAUCA5266H1ZE
STATE : MADHYA PRADESH

Delivery/ Shipping Address:

ALLONE INFRA PVT. LTD
146,FUTERA WARD NO 01,GURU
GOVIND SINGH WARD NO 36,DAMOH
KHAS,DAMOH
MADHYA PRADESH - 470002
GSTIN : 23AAUCA5266H1ZE
STATE : MADHYA PRADESH

PO Subject: Purchase order for Manufacturing and Supply of
Elastomeric Bearings.

Kind Attention : Mr. KAMLESH SOLANKI

Please supply the under mentioned material(s)/spare parts subject to the conditions herein below.

Sr.	Items	HSN Code	Qty.	Unit	Rate	Taxable Amt.	IGST Rate/Amt.
1	ELASTOMER BEARING [FOR 24.40 M SPAN AS PER DWG. No.- RDSO/B-11751/3R2] WITH TOP & BOTTOM PLATES DULY VULCANIZED & BOLT WITH GALVANIZATION .	4009	196.00	NOS			
2	ELASTOMER BEARING [30.5 M SPAN AS PER DWG. No.- RDSO/B-11754/3R2] WITH TOP & BOTTOM PLATES DULY VULCANIZED & BOLT WITH GALVANIZATION .	4009	32.00	NOS			

Remark :-	Total		
	GST Amount		

Terms & Conditions:

- Please quote the Purchase Order (P.O.) number on your challans, bills and on any other correspondence in connection with this order
- The Company does not accept any responsibility for any order unless it is issued on Company's official P.O. duly signed by authorized signatory. However no physical signature is required in case of electronic copy generated through system.
- Please confirm acceptance of this order to Company's Purchase Department. In the absence of such acceptance, the delivery of any material, equipment or services shall constitute full acceptance by the Supplier of the terms and conditions herein.
- The Company reserves the right to cancel the P.O. or amend the quantities indicated in the P.O. arising out of any change in Company's sales requirements / manufacturing programmed or from any cause or causes beyond the Company's control.
- Transit insurance will be covered by Supplier for all risks up to delivery centre and insurance charges will be to the Supplier's account unless otherwise specified.
- In case of fitment issue or wrong parts the same will be returned and supplier will be liable to refund the payment against that part
- All Disputes shall be subjected to the jurisdiction of the courts at Patiala (Punjab).
- All test reports shall be submitted in name of M/s DMR BUILDERS PVT. LTD.
- Testing shall be done by our client (IRCON-KGS) as per the approved QAP.

For Allone Infra Pvt. Ltd.

Auth. Signatory

CIN No.: U45201PB2020PTC052460

(Formerly known as: M/s Singh Construction Co.)

1st Floor SCO-120 Phase-II Urban Estate, Patiala - 147002 (PR) 0175-5002804


Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

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DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

PURCHASE ORDER				Created On: 12.07.2023			
 VEDU Infrastructure Pvt Ltd (CIN: U45309DL2021PTC376678) Corp. Office : 7F, Unit No.701,Nirvana Courtyard, Block C, Nirvana Country, Sector 50, Gurgaon, Haryana - 122018 Phone No.: 0124-4338000 Reg. Office : BU-5, 2nd floor, S.F.S. Flat, Outer Ring Road, Pitampura, Delhi - 110034 Phone No.: 011-47581001							
Vendor Details Vendor Code: 5000925 GSTIN No.: 23AACCD8996P1ZT M/s DEEVIN SEISMIC SYSTEMS PVT. LTD. 73B,73A,60, SECTOR C, INDUSTRIAL AREAMANDIDEEP, RaisenRaisen Raisen- 462046, Madhya Pradesh, India				PO No: 1100001780 Appr. Date: PR No: 2200000718 Appr. Date: 17.06.2023 Plant Code: 1101 (Chittoor Project) Buyer Name: Mr. Jitendra Singh Buyer Mob: 9021413603 Pur. Grp: CVL - Civil Group Email Id:			
Billing Address VEDU Infrastructure Pvt Ltd Gangadhara,NelloreSecond Floor,Door no.26, Puttar main Road Opp. Petrol Pump Chittoor - 517125, Andhra Pradesh, India GSTN NO.: 37AAHCV8882H1ZL				Delivery Address VEDU Infrastructure Pvt Ltd Gangadhara,NelloreSecond Floor,Door no.26, Puttar main Road Opp. Petrol Pump Chittoor - 517125, Andhra Pradesh, India			
We are pleased to place our order on you for the following materials/services subject to terms & conditions and instructions specified here.							
SNo	Item Code / HSN Code Item Description	Delivery Schedule	UOM	Quantity	Rate (INR)	Disc (%)	Amount (INR)
10	1107020368 / 73089090 ELASTOMERIC BEARING - 480X500X89 IGST@ 18.00% - 80018.00	14.07.2023	NOS	64			
20	1107020364 / 73089090 ELASTOMERIC BEARING 500X550X97MM IGST@ 18.00% - 876925.00	14.07.2023	NOS	576			
30	1107020369 / 73089090 ELASTOMERIC BEARING - 480X500X108 IGST@ 18.00% - 94199.00	14.07.2023	NOS	64			
40	1107020370 / 73089090 ELASTOMERIC BEARING - 500X500X147 IGST@ 18.00% - 197764.00	14.07.2023	NOS	32			
50	1107020371 / 73089090 ELASTOMERIC BEARING - 500X500X166 IGST@ 18.00% - 213719.00	14.07.2023	NOS	32			
60	1107020372 / 73089090 ELASTOMERIC BEARING - 400X500X89 IGST@ 18.00% - 16998.00	14.07.2023	NOS	16			
70	1107020367 / 73089090	14.07.2023	NOS	16			
For VEDU Infrastructure Pvt Ltd				For M/s DEEVIN SEISMIC			
Authorized Signatory				Authorized Signatory			

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



SHRI S. M. AUTADE PVT. LTD.

HEAD OFFICE:
17, "AKANKSHA" Bungalow, Giriraj Society, Baner Road,
Near Sakal Nagar, Pune-07. Tel. No. 020-25640391
E mail- pune@autadegroup.com Website: autadegroup.com
CIN No. U45200PN2014PTC151170

Ref.,

Date :

PURCHASE ORDER

To,
M/s DEEVIN SEISMIC SYSTEMS PVT. LTD.
73B,73A,60, SECTOR C, INDUSTRIAL AREA,
MANDIDEEP, Raisen, Madhya Pradesh, 462046
-462046
GST No. 23AACCD8996P1ZT
State Name MADHYA PRADESH
PAN No. AACCD8996P

Billing Address:

SHRI S. M. AUTADE PVT LTD
M. A. Patil Niwas, Near Jail, Dargah Road,
GST No. : 29AAUCS5518C1ZZ

Order No.: SSMAPL/SNB-R1-3/SEP/2024
Order Date : 21/09/2024
Valid From : 21/09/2024 To 21/10/2024
PO For : Sankeshwar Site
Quotation No: KA0823-163 REV 04
Quotation Date: 02-09-2024
Quotation By: Mr Sudesh Shetty
Delivery/ Shipping Address:
SANKESHWAR BYPASS NH-48
survey no. 107*/2,3,4,5,6 and 107/A/2,3,4,5,6
village- gavan tal - nipani Dist Belgaon
Mr Harshal Autade-9834665393
GST No.:29AAUCS5518C1ZZ
State Name.:KA

PO Subject : Purchase order for Sankeshwar site Curved span pot bearing required.

Please supply the undermentioned material(s)/spare parts subject to the conditions herein below.

Sr.	Part No	Items	HSN Code	Qty.	Unit	Rate	Disc.	Taxable Amt.	IGST Rate/Amt.
1	Curved Span	FX BEARING 403MT		20.0000	NOS				
2	Curved Span	SGL BEARING 495MT		8.0000	NOS				
3	Curved Span	SGT BEARING 378MT		20.0000	NOS				
4	Curved Span	FF BEARING 464MT		8.0000	NOS				
5	Curved Span	SGL BEARING 443MT		72.0000	NOS				
6	Curved Span	FF BEARING 412MT		72.0000	NOS				
7	Curved span	FX BEARING 403MT		8.0000	NOS				
8	Curved Span	SGL BEARING 495MT		32.0000	NOS				
9	Curved Span	SGT BEARING 378MT		8.0000	NOS				
10	Curved Span	FF BEARING 464MT		32.0000	NOS				
Total				280					

Sarur sir given approval by WhatsApp 10/04/2024 @ 05:08Pm

BRANCH OFFICE:

- KHANDOBA LANE, MANGALWEDHA, DIST. SOLAPUR-413305. Tel. No. (02188) 221650 Fax No. (02488) 221700
- 8/2, MURARJI PETH, BHAGWAT UMA MANDIR BLDG., SOLAPUR 413003. Ph.No.(0217) 2728485
- M. A. PATIL NIWAS, NEAR JAIL, DARGAH ROAD, BEHIND SHREYA HOSPITAL, BIJAPUR-586101. Ph. No. (08352)272958

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



GREEN DAY CONSTRUCTIONS

A 503,Casa Rouge, Kondapur.Hyderabad
GST: 36AGLPN7961N2ZG

10/10/24

GDC/ PO-5/23-24/

TO,
Mr. Mithilesh Tiwari,
Deevin seismic systems pvt.ltd,
73-B,Sector -C
Industrial area,Manideep,
Raisen-462046(M.P)Ph:9425027038 .

Sub: Construction of HL Major Bridge across River Baitarani at Km 105 080 and Rehabilitation of Bridge across river Deo at Km. 90.850 of NH -220 in the state of Odisha on EPC mode-**Work order issued for supply of POT -PTFE bearings**

Ref: Quotation:DSSPL_QTN_GDC_BB_2024_7_00232 Dated 04/10/24

Dear Sir,

With reference to your quotation and subsequent discussion to carry out POT-PTFE Bearings supply in accordance with the terms and conditions listed below.

S. No	Description	Location	Details	UO M	QTY	R a t e s (INR)	Amount (INR)
1	FX Bearing	360 MT	MJB104+850	Nos	9	₹	
2	SGL Bearing	360 MT	MJB 104+850	Nos	9	₹	
3	SGT Bearing	360 MT	MJB 104+850	Nos	36	₹	
4	FF Bearing	360 MT	MJB 104+850	Nos	36	₹	
TOTAL					90		

Terms and Conditions

- RATE:** The above rate are ex works @ Bhopal plant.Transportation is in GDC scope.Goods to be packed good for transportation by DSSPL
- Taxes:**Inclusive of all taxes,except GST @18%.If government policy change in any new taxes, duties, revised rates are applicable, such rates are Bourne by Green Day Constructions.
- Terms of payment : a) 40% of advance along with the PO and balance on supply of materials.
- Approval or any QAP along with QC inspections is in the scope of Deevin seismic
- Materials to be lifted after the successful completion of quality check/inspection by SRRCIPL
- Bearings design as per IRC83,PART-III,2018.
- Bearings design has to be submitted with in a week for approval from department
- All life time warranties & Guarantees of bearings as per MoRTH &IRC is in the scope of DSSPL and GDC is not responsibility for any future damages.



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



S. P. Singla Constructions Pvt. Ltd.
Building infrastructure for future...

CORPORATE OFFICE
47, Sector - 9, Panchkula - 134113, Haryana
Tel: +91-172-2571595, 2570440, 2563209
Fax: 0172-4620941
Email: spscpk@gmail.com, www.spsingla.com

REGISTERED OFFICE
1006-1007, 10th Floor, Pearls Best Height-1,
Netaji Subhash Place, Pitampura
New Delhi-110034, India
Tel. 011-27357408, Fax: 011-47595569
Email: delhioffice@spsingla.com
CIN No.: U45201DL1996PTC114775

PURCHASE ORDER

To,
M/s DEEVIN SEISMIC SYSTEMS PVT LTD
(20699)
PLOT -73-B-SECTOR C
INDUSTRIAL AREA , MANDIDEEP
MANDIDEEP, RAISON-462046
GST No. 23AACCD8996P1ZT
State Name MADHYA PRADESH
PAN No. AACCD8996P

Order No.: SPSC/PKL/PO/230912-1/SEP/2023
Order Date : 12/09/2023
Valid From : 12/09/2023 To 11/09/2025
Quotation No:
Quotation Date:
Quotation By:

Delivery/ Shipping Address:

NEW MG SETU PATNA
Construction of New 4-Lane, Bridge (Parallel
to the Existing MG Setu with its approaches
From Km 0/000 to 14/500 Across River
Ganga on NH-19
PIN Code : 800007
GST No.:10AAGCS5773B1ZP
State Name.:BR

Kind Attention : Mr. Mithlesh Tiwari (Regional Manager) (Mobile No.91313-35676) and Mr. Samith Holker
(President) (Mobile No.99261-06605)

Ref.:

- Our enquiry dated 25.08.2023.
- Your quotation ref. No.DSSPL_QTN_SPCPL_GANDHI MG SETU_BB_2023_4_00145 REV 02 dated 12.09.2023.

PO Subject : Purchase order for Supply of Elastomeric Bearings (Type F) MINCR BRIDGE @ CH.7+903 FOR NEW
GANDHI MG SETU BRIDGE PROJECT SITE

Please supply the undermentioned material(s)/spare parts subject to the conditions herein below.

Sr.	Part No	Items	HSN Code	Qty.	Unit	Rate	Disc.	Taxable Amt.	CGST	SGST / UTGST	IGST
									Rate/Amt.	Rate/Amt.	Rate/Amt.
1		ELASTOMERIC BEARINGS [F-Type (Natural Rubber) 525x525x160mm For Minor Bridge @Ch.7+903]	4008119 0	4.000	NOS				0% .00	0% .00	18%
2		ELASTOMERIC BEARINGS [F-Type (Natural Rubber) 550x550x173mm For Minor Bridge @Ch.7+903]	4008119 0	2.000	NOS				0% .00	0% .00	18%
Total				6.000					0	0	
Remark :-						Total					
						GST Amount					
						Round Off					
Rupees:											

Terms & Conditions:

- Freight :** Freight extra.
- Site Address :** S P SINGLA CONSTRUCTIONS PVT LTD
Construction of New 4-Lane, Bridge (Parallel to the Existing MG Setu with its approaches
From Km 0/000 to 14/500 Across River Ganga on NH-19



PO No - SPSC/PKL/PO/230912-1/SEP/2023

An ISO Certified Company Page No. 1 of 3 | Print On : 12-09-2023 06:17 PM

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



S. P. Singla Constructions Pvt. Ltd.
Building infrastructure for future...

CORPORATE OFFICE
47, Sector - 9, Panchkula - 134113, Haryana
Tel: +91-172-2571595, 2570440, 2563209
Fax : 0172-4620941
Email: spscpl@gmail.com, www.spingla.com

REGISTERED OFFICE
1006-1007, 10th Floor, Pearls Best Height-1,
Netaji Subhash Place, Pitampura
New Delhi-110034, India
Tel. 011-27357408, Fax: 011-47595569
Email: delhioffice@spingla.com
CIN No.: U45201DL1996PTC114775

PURCHASE ORDER

To,
M/s DEEVIN SEISMIC SYSTEMS PVT LTD
(20699)
PLOT -73-B-SECTOR C
INDUSTRIAL AREA, MANDIDEEP
MANDIDEEP, RAISON-462046
GST No. 23AACCD8996P1ZT
State Name MADHYA PRADESH
PAN No. AACCD8996P

Order No.: **SPSC/PKL/PO/230912-2/SEP/2023**
Order Date : **12/09/2023**
Valid From : **12/09/2023 To 27/09/2023**
Quotation No:
Quotation Date:
Quotation By:

Delivery/ Shipping Address:
NEW MG SETU PATNA
Construction of New 4-Lane, Bridge (Parallel
to the Existing MG Setu with its approaches
From Km 0/000 to 14/500 Across River
Ganga on NH-19
PIN Code : 800007
GST No.:10AAGCS5773B1ZP
State Name.:BR

Kind Attention : Mr. Mithlesh Tiwari (Regional Manager) (Mobile No.91313-35676) and Mr. Samith Holker
(President) (Mobile No.99261-06605)

Ref.:

i. Our enquiry dated 25.08.2023.

ii. Your quotation ref. No.DSSPL_QTN_SPSCPL_GANDHI MG SETU_BB_2023_4_00145 REV 02 dated 12.09.
2023.

PO Subject : Purchase order for Design, Manufacture, Inspection, Testing & supply of POT PTFE BEARINGS FOR
MINOR BRIDGE @ CH.2.478 & @ CH.2+494 FOR NEW GANDHI MG SETU BRIDGE PROJECT SITE

Please supply the undermentioned material(s)/spare parts subject to the conditions herein below.

Sr.	Part No	Items	HSN Code	Qty.	Unit	Rate	Disc.	Taxable Amt.	CGST	SGST / UTGST	IGST
									Rate/Amt.	Rate/Amt.	Rate/Amt.
1		Pot Fixed Bearing [Max. Ver Load (ULS) 170MT Max Hor Load (ULS) 120MT For Minor Bridge @Ch.2+478]	7308	1.000	NOS						
2		SLIDE GUIDE BEARING (LGB) [Max. Ver Load (ULS) 170MT Max Hor Load (ULS) 120MT For Minor Bridge @Ch.2+478]	730810	1.000	NOS						
3		BEARING FREE [Max. Ver Load (ULS) 215MT Max Hor Load (ULS) --- For Minor Bridge @Ch.2+478]	7308	2.000	NOS						
4		SLIDE GUIDE BEARING (TGB) [Max. Ver Load (ULS) 215MT Max Hor Load (ULS) 77MT For Minor Bridge @Ch.2+478]		2.000	NOS						
5		Pot Fixed Bearing [Max. Ver Load (ULS) 185MT Max Hor Load (ULS) 90MT For Minor Bridge @Ch.2+494]	7308	1.000	NOS						
6		SLIDE GUIDE	730810	1.000	NOS						



PO No :- SPSC/PKL /PO/230912-2/SEP/2023

An ISO Certified Company Page No. 1 of 3 | Print On : 12-09-2023 04:15 PM

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



S. P. Singla Constructions Pvt. Ltd.
Building Infrastructure for future...

CORPORATE OFFICE
47, Sector - 9, Panchkula - 134113, Haryana
Tel: +91-172-2571595, 2570440, 2563209
Fax : 0172-4620941
Email: spscpk@gmail.com, www.spsingla.com

REGISTERED OFFICE
1006-1007, 10th Floor, Pearls Best Height-1,
Nefaji Subhash Place, Pitampura
New Delhi-110034, India
Tel. 011-27357408, Fax: 011-47595569
Email: delhioffice@spsingla.com
CIN No.: U45201DL1996PTC114775

PURCHASE ORDER

To,
M/s DEEVIN SEISMIC SYSTEMS PVT LTD
(20699)
PLOT -73-B-SECTOR C
INDUSTRIAL AREA , MANDIDEEP
MANDIDEEP, RAISON-462046
GST No. 23AACCD8996P1ZT
State Name MADHYA PRADESH
PAN No. AACCD8996P

Order No. : SPSC/PKL/PO/230920-6/SEP/2023
Order Date : 20/09/2023
Valid From : 20/09/2023 To 05/10/2023
Quotation No:
Quotation Date:
Quotation By:
Delivery/ Shipping Address:

ANANDPUR CAMP 2 (SHIMLA PROJECT)
(100 %)
Village - Raghawan Post Office - Anandpur,
Tehsil - Shimla Distt - Shimla Rghaun (132)
Cont. Mr. Pitambar Rout (8637247831)
PIN Code : 171219

KAITHLIGHAT CAMP-1 (SHIMLA PROJECT)
(100 %)
Shimla Bypass Road, Near Kaithlighthat
Railway Station, Land Mark-Mahalaxmi
furniture, Distt - Solan
Cont. Mr. Jata Shankar (9540025625)
PIN Code : 173234
GST No.:02AAGCS5773B2ZL
State Name:-HP

Kind Attention : Mr. Mithlesh Tiwari (Regional Manager) (Mobile No.91313-35676) and Mr. Samit Holkar (President) (Mobile No.99261-06605)

Ref.:

- i. Our enquiry dated 29.08.2023.
- ii. Your quotation ref. No.DSSPL_QTN_SPCPL_SHIMLA BYPASS_BB_2023_5_00181 Rev 01 dated 12.09.2023.
- iii. Your final rates received vide ref. No.DSSPL_QTN_SPCPL_SHIMLA BYPASS_BB_2023_5_00181 Rev 02 dated 19.09.2023.

PO Subject : Purchase order for manufacture, inspection, testing and supply of POT CUM PTFE BEARINGS FOR 4 laning of NH-5 from Kaithlighthat to Shakral Village (Shimla Bypass Package I.)

Please supply the undermentioned material(s)/spare parts subject to the conditions herein below.

Sr.	Part No	Items	HSN Code	Qty.	Unit	Rate	Disc.	Taxable Amt.	CGST	SGST /	IGST
									Rate/Amt.	Rate/Amt.	Rate/Amt.
1		SLIDE GUIDE BEARING (TGB) [195 MT (ULS-280 MT) TGB1 BEARING FOR VIADUCT AT CH. 131+723 (A1-P1, P3-A2)-32.00 MTR. SPAN (Bridge No.3)]		12.000	NOS						
2		BEARING FIXED [195 MT (ULS-280 MT) FX1 BEARING FOR VIADUCT AT CH. 131+723 (A1-P1, P3-A2)-32.00 MTR. SPAN (Bridge No.3)]	7308	4.000	NOS						
3		SLIDE GUIDE BEARING (LGB) [195 MT (ULS-280 MT) LGB1 BEARING FOR VIADUCT AT CH. 131+723 (A1-P1,	730810	4.000	NOS						



PO No :- SPSC/PKL/PO/230920-6/SEP/2023

An ISO Certified Company Page No. 1 of 9 | Print On : 20-09-2023 03:17 PM

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

		P3-A2)-32.00 MTR. SPAN (Bridge No.3]			
4		FREE FLOAT BEARING [195 MT (ULS-280 MT) FB1 BEARING FOR VIADUCT AT CH. 131+723 (A1-P1, P3-A2)-32.00 MTR. SPAN (Bridge No.3]	7308	12.000	NOS
5		SLIDE GUIDE BEARING (TGB) [145 MT (ULS-210 MT) TGB1 BEARING FOR VIADUCT AT CH. 131+723 (P1-P2, P2-P3)-22.00 MTR. SPAN (Bridge No.3]		12.000	NOS
6		BEARING FIXED [145 MT (ULS-210 MT) FX1 BEARING FOR VIADUCT AT CH. 131+723 (P1-P2, P2-P3)-22.00 MTR. SPAN (Bridge No.3]	7308	4.000	NOS
7		SLIDE GUIDE BEARING (LGB) [145 MT (ULS-210 MT) LGB1 BEARING FOR VIADUCT AT CH. 131+723 (P1-P2, P2-P3)-22.00 MTR. SPAN (Bridge No.3]	730810	4.000	NOS
8		FREE FLOAT BEARING [145 MT (ULS-210 MT) FB1 BEARING FOR VIADUCT AT CH. 131+723 (P1-P2, P2-P3)-22.00 MTR. SPAN (Bridge No.3]	7308	12.000	NOS
9		SLIDE GUIDE BEARING (TGB) [145 MT (ULS-210 MT) TGB1 VIADUCT AT CH. 132+290 (A1-P1,P1-A2) - 27.00 MTR. SPAN (Bridge No.4]		12.000	NOS
10		BEARING FIXED [145 MT (ULS-210 MT) FX1 VIADUCT AT CH. 132+290 (A1-P1,P1-A2) - 27.00 MTR. SPAN (Bridge No.4]	7308	4.000	NOS
11		SLIDE GUIDE BEARING (LGB) [145 MT (ULS-210 MT) LGB1 VIADUCT AT CH. 132+290 (A1-P1,P1-A2) - 27.00 MTR. SPAN (Bridge No.4]	730810	4.000	NOS
12		FREE FLOAT BEARING [145 MT (ULS-210 MT) FB1 VIADUCT AT CH. 132+290 (A1-P1,P1-A2) - 27.00 MTR. SPAN (Bridge No.4]	7308	12.000	NOS
13		SLIDE GUIDE BEARING (TGB) [140 MT (ULS-200 MT) TGB1 BEARING FOR VIADUCT AT CH. 137+820 (A1-P1,		12.000	NOS



PO No :- SPSC/PKL/PO/230920-6/SEP/2023
Page No. 2 of 9 | Print On : 20-09-2023 03:17 PM

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.


Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

		P2-A2)-25.00 MTR. SPAN (Bridge No.11)]			
14		BEARING FIXED [140 MT (ULS-200 MT) FX1 BEARING FOR VIADUCT AT CH. 137+820 (A1-P1, P2-A2)-25.00 MTR. SPAN (Bridge No.11)]	7308	4.000	NOS
15		SLIDE GUIDE BEARING (LGB) [140 MT (ULS-200 MT) LGB1 BEARING FOR VIADUCT AT CH. 137+820 (A1-P1, P2-A2)-25.00 MTR. SPAN (Bridge No.11)]	730810	4.000	NOS
16		FREE FLOAT BEARING [140 MT (ULS-200 MT) FB1 BEARING FOR VIADUCT AT CH. 137+820 (A1-P1, P2-A2)-25.00 MTR. SPAN (Bridge No.11)]	7308	12.000	NOS
17		SLIDE GUIDE BEARING (TGB) [185 MT (ULS-265 MT) TGB1 BEARING FOR VIADUCT AT CH. 135+321 (A1-P1, P1-P2)-35.00 MTR. SPAN (Bridge No.10)]		12.000	NOS
18		BEARING FIXED [185 MT (ULS-265 MT) FX1 BEARING FOR VIADUCT AT CH. 135+321 (A1-P1, P1-P2)-35.00 MTR. SPAN (Bridge No.10)]	7308	4.000	NOS
19		SLIDE GUIDE BEARING (LGB) [185 MT (ULS-265 MT) LGB1 BEARING FOR VIADUCT AT CH. 135+321 (A1-P1, P1-P2)-35.00 MTR. SPAN (Bridge No.10)]	730810	4.000	NOS
20		FREE FLOAT BEARING [185 MT (ULS-265 MT) FB1 BEARING FOR VIADUCT AT CH. 135+321 (A1-P1, P1-P2)-35.00 MTR. SPAN (Bridge No.10)]	7308	12.000	NOS
21		SLIDE GUIDE BEARING (TGB) [165 MT (ULS-240 MT) TGB1 BEARING FOR VIADUCT AT CH. 134+787 (P1-P2,P2-P3, P3-P4)-27.00 MTR. SPAN (Bridge No.9)]		18.000	NOS
22		BEARING FIXED [165 MT (ULS-240 MT) FX1 BEARING FOR VIADUCT AT CH. 134+787 (P1-P2,P2-P3, P3-P4)-27.00 MTR. SPAN (Bridge No.9)]	7308	6.000	NOS
23		SLIDE GUIDE BEARING (LGB) [165 MT (ULS-240 MT) LGB1 BEARING FOR VIADUCT AT CH. 134+787 (P1-P2,P2-P3,	730810	6.000	NOS



PO No :- SPSC/PKL/PO/230920-6/SEP/2023
Page No. 3 of 9 | Print On : 20-09-2023 03:17 PM

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

	BEARING (LGB) [160 MT (ULS-230 MT) LGB1 BEARING FOR VIADUCT AT CH. 134+787 (A1-P1)-30.00 MTR. SPAN (Bridge No.9)]			
56	FREE FLOAT BEARING [160 MT (ULS-230 MT) FB1 BEARING FOR VIADUCT AT CH. 134+787 (A1-P1)-30.00 MTR. SPAN (Bridge No.9)]	7308	6.000	NOS
Total		368.000		

Remark :-

Rupees:

Terms & Conditions:

- Freight :** Freight extra.
- Billing GST Address :** M/s S.P. Singla Constructions Pvt. Ltd
7, Sunny Side Bhatia Niwas, Place Road, Solan
- GST No. :** 02AAGCS5773B2ZL
- Contact Person :** For Camp - 1 : Mr. Jata Shankar (9540025625)
For Camp - 2 : Mr. Pitambar Rout (8637247831)
- Delivery Schedule :** Priority wise requirement given as under
Camp 1 : Bridges 1 to 5
Camp 2 : Bridges 6 to 12

Bridge Span	Total bearings (Nos)
1st Lot	
Br-2: A1P1	16
Br-3: A1P1, P1P2, P2P3	48
Br-4: A1P1, P1A2	32
Br-8: P2A2	16
Br-9: A1P1, P1P2, P2P3	48
Br-11: P2A2	16
Total = 176	

2nd lot	
Br-2: P1P2, P2A2	32
Br-3: P3A2	16
Br-8: A1P1, P1P2	32
Br-9: P3P4, P4A2	32
Br-10: A1P1, P1P2, P2A2	48
Br-11: A1P1, P1P2	32
Total = 192	

Entire manufacturing shall be based on approved ITP & QAP as per IRC/ MORT&H Standards. Manufacturing of bearings of 1st lot shall be completed within 8-10 weeks from the date of approval of shop drawings and subsequent lots shall be supplied within 6-8 weeks from the date of intimation.

Chainage wise and bridge Nos. description for 368 nos. POT PTFE Bearings for Shimla



PO No :- SPSC/PKL/PO/230920-6/SEP/2023

Page No. 7 of 9 | Print On : 20-09-2023 03:17 PM

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



Sushee Infra & Mining Ltd.
Plot No.246/A MLA Colony Road NO.12, Banjara Hills Telangana Hyderabad 500034 IN 36 Telephone
4044337879 Fax
Mobilenumber Email

Po No: 31001072

PURCHASE ORDER

TO DEEVIN SEISMIC SYSTEMS PVT. LTD. 73-B,Sector-C,Industrial Area,Mandideep Raisen RAISEN 462046 GSTIN NO: 23AACCD8996P1ZT	PO No:	0031001072
	PO Date:	12.09.2023
	PR No:	11000413
	Quotation Details:	
Delivery Address:	Purchase Group	R01
Sushee Infra and Mining Limited	Invoicing Address:	
Balachera: Vill: Maruvachera (Balachera) Post: Borkhola, (PS) Borkhola ASSAM 786110 Mobile:	Sushee Infra and Mining Limited	
GSTIN No: 18AACC8560Q1ZJ	Sushee Infra & Mining Ltd, H.No. 4B Toralipth, Panjabari ASSAM 781037 Mobile:	
State Name: Assam Code: 18	GSTIN No: 18AACC8560Q1ZJ	
	State Name: Assam Code: 18	

Dear Sir/Madam
With reference to your above mentioned quotation number, we hereby pleased to place the Purchase Order for supplying of following below material.

S.No	Part No	Item Description	HSN	UOM	Rate/Unit	Disc.	QTY	GST%	Basic Amount	Remarks
9	1300000103	FREE POT CUM PTFE BEARING-278 MT		NO		0.00 %	20.000	18%		
10	1300000104	L-GUIDED POT CUM PTFE BEARING-278 MT		NO		0.00 %	20.000	18%		
11	1300000105	T-GUIDED POT CUM PTFE BEARING-278 MT		NO		0.00 %	20.000	18%		
12	1300000106	FIXED POT CUM PTFE BEARING-278 MT		NO		0.00 %	20.000	18%		

Total Basic Value	
Discount (Total)	0.00
Packing & Forwarding Charges / Freight Charges (Taxable)	0.00
Total GST (CGST & SGST)/IGST Tax Amount.	
Comm Cess	0.00
Other Charges (Non-Taxable) for details refer Note1	0.00
TCS %	0.00
Grand Total:	

Amount in Words:	
Delivery Terms:	
Payment Terms:	100% payment will be made as Advance Payment
Delivery Schedule:	The material will be dispatched ex works within 1-2days from the date of invoice EX-Works Raisen M.P
Installation	
Transportation:	Transportation of the Material will be organized by SIML
Warranty Standard:	



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

Telefax : 00-91-40-23601166
00-91-40-23556933
00-91-40-23556996



ANUSHA PROJECTS PRIVATE LIMITED

PURCHASE ORDER

PO No. APPL/23-24/BBBR/144

Date: 17.07.2023

To,
DEEVIN SEISMIC SYSTEMS PVT. LTD (DSSPL)
73-B, SECTOR C, MANDIDEEP,
RAISEN, M.P.-462046.
Ph No: 07480-299337
Mob No:+91 78924 52524
Email :- info@deevinss.com/sales@deevinss.com

Delivery Address
Anusha Projects Pvt Ltd (APPL)
Camp at Basara, Beside Railway station,
Basara Village,
Nirmal district,
PIN-504 101.

Billing Address:
Anusha Projects Pvt Ltd
H.No:8-3-833/119, Phase-I
Kamalapur Colony, Srinagar Colony
Hyderabad-500073
GSTN No: 36AADCA8713C1Z0

Contact Details
Mr.Abhimanyu Kumar
Mob: +91 97714 09650.
Mr. Prasad
Mob: +91 89858 28253

Contact Details
Mr.Jayadev
Mob:9052133996

Dear Sir,

Subject: Supply of POT PTFE Bearings & Supply of Prestressing Anchorage System works - Reg

Ref : Your Quotation No

1. For Pot cum PTFE Bearing- KZDSSPL_ANUSHA PROJECTS_BB_BODHAN-BASAR-BHAINSA-TL_0623-130 REV 02 12 July 2023
2. For Prestressing Anchorage System works- KZDSSPL_ANUSHA PROJECTS_PS_BODHAN-BASAR-BHAINSA-TL_0623-131 REV 01 Wednesday, July 12, 2023

With reference to above,we are pleased to issue Purchase Order For supplying of POT PTFE Bearings and Supply of Prestressing Anchorage System works to our Basara Site Major Bridge ch. 66+565.

1. POT PTFE Bearings for 40.24m Span

S. No	Description	Loading	UOM	QTY	Rates (INR)	Amount (INR)
1	FX BEARING	285 MT	Nos	11		
2	SGL BEARING	289 MT	Nos	11		
3	SGT BEARING	311 MT	Nos	33		
4	FF BEARING	317 MT	Nos	33		
Total				88		

For 20.12 m Span

S. No	Description	Loading	UOM	QTY	Rates (INR)	Amount (INR)
1	FX BEARING	156 MT	Nos	1		
2	SGL BEARING	163 MT	Nos	1		
3	SGT BEARING	177 MT	Nos	3		
4	FF BEARING	186 MT	Nos	3		
Total				8		

Grand Total for Bearings



H.No:8-3-833/119, Plot No:119, Phase-I, Kamalapur Colony, Srinagar Colony, Hyderabad-500073, (TS) INDIA
E-mail : anushaprojects@gmail.com Website : www.applatc.com CIN : U14292TG2002PTC039674

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

Patel Infrastructure Ltd.				PATEL Every Milestone is our Value			
Regd. Office: "Patel House", Beside Prakruti Resort, Chhani Road, Chhani -391740, Vadodara, Gujarat, India Ph. : +91-0265-277 6678 / 7778, Fax : +91-265-2777878, Email : ho@patelinfra.com							
PURCHASE ORDER							
Supplier Code	500106822	Project Name	Delhi Vadodara Expressway 30				
Supplier Name	DEEVIN SEISMIC SYSTEMS PVT. LTD.	PO No.	927001234	Date	04.07.2023		
Supplier Address : DEEVIN SEISMIC SYSTEMS PVT. LTD. 73B,73A,60, SECTOR C, INDUSTRIAL AREA Raisen - 462046 Tel : 7470766810	Quotation No	By E-Mail , Qet No	Date	27.06.2023			
	Amendment	V0	Date	04.07.2023			
	PO Type	YPRO	Buyer Name	Nikul Sargara			
	PR No.	827001699	Buyer Number	9099039667			
	PO Valid Date	04.07.2023	PO End Date	30.09.2023			
Email ID		Site Email-1	indresh.pandey@patelinfra.com				
Telephone		Site Email-2	gautam.ranjan@patelinfra.com				
Mobile No	7470766810	Billing Address :					
PAN NO	AACCD8996P	Patel Infrastructure Ltd. "Patel House" Beside Prakruti Resort, Chhani Road, Chhani. Vadodara,,391740					
GST No		Delivery Address :					
Bank Name	PUNJAB AND SIND BANK	Patel Infrastructure Ltd Khandoli Camp, Near Narmada Canal, Kalol Dakor Road, Dist-Panchmahal 389320 Gujarat, Mr. Gajendra (M) 63549 16574					
Account	07421600016603						
IFSC Code	PSIB0000742						
Bank Branch							
Swift Code							
Bank Number							
Please Supply the following goods subject to the terms and conditions mentioned herein.							
S.NO	Item description	Qty	UoM				
1	7PM012218-FREE BEARING - POT-PTFE-359 T Deevin Make.	12.000	NO				
2	7PM012219-FIXED BEARING - POT-PTFE-359 T Deevin Make.	4.000	NO				
3	7PM012220- LONGITUDINAL GUIDED-LG-POT BEARING-359 T Deevin Make.	4.000	NO				
4	7PM012221-TRAIKTOR GUIDED-TG-POT PTFE BEARING-359T Deevin Make.	12.000	NO				
5	7PM012222-FREE BEARING - POT-PTFE-262 T Deevin Make.	12.000	NO				
6	7PM012223-FIXED BEARING - POT-PTFE-262 T Deevin Make.	2.000	NO				
7	7PM012224- LONGITUDINAL GUIDED-LG-POT BEARING-262 T Deevin Make.	2.000	NO				
8	7PM012225-TRAIKTOR GUIDED-TG-POT PTFE BEARING-262T Deevin Make.	12.000	NO				
						Net Amount	2,018,608.00

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

SRC INFRA DEVELOPERS PRIVATE LIMITED

Corporate Office: 2A, 2nd Floor, Sycon Polaris, # 1-58-4,
8th Main, RMV Ext., Sadashiva Nagar, Bangalore – 560 080
Phone: 080 - 23611060 - 61

SRC INFRA DEVELOPERS

PURCHASE ORDER

PO NO : SRC/RO-BNG/NH-63/23-24/GST-043

DT. 07.07.2023

To,

DEEVIN SEISMIC SYSTEMS PVT LTD

73B,73A,60, SECTOR C, INDUSTRIAL AREA,
MANDIDEEP, RAISEN, MADHYA PRADESH - 462046

GST Number: 23AACCD8996P1ZT

Mail Id : sales@deevinss.com & Contact Number : Mr. Sudesh Ph No. 7892452524

Billing Address

SRC Infra Developers Pvt Ltd,
2A, 2nd Floor, Sycon Polaris, #1-58-4,
8th Main, RMV Extn., Sadashivanagar,
Bangalore – 560080, Ph: 080 – 2361 1060.
GSTIN: 29ABCCS0677B1ZF

Delivery Address

SRC Infra Developers Pvt. Ltd.
NH-63, Sy no. 29, Halkundi Village, Near Sarveshwara
Cold Storage, Ballary – Hospet Bypass,
Ballary Dist -583 101
Contact Person : Mr. Aswath Kumar - 9686202506
Mr. Vannur Swamy -8179235408

with reference to quote through mail, we are pleased to place this order for the items mentioned hereunder subject to the conditions specified herein.

SL NO	Description	Loading	Span details	UOM	Qty	Basic Rate (INR)	Basic Amount (INR)	IGST		Gross Amount (INR)
								Rate	Amount	
1	FX BEARING (FIXED POT / PTFE BEARING)	178 MT	CH: 344 + 705.3	NOS	2					
2	SGL BEARING (LONGITUDINALLY GUIDED BEARING)	178 MT	CH: 344 + 705.3	NOS	2					
3	SGT BEARING (TRANSVERSE GUIDED BEARING)	189 MT	CH: 344 + 705.3	NOS	6					
4	FF BEARING (FREE POT / PTFE BEARING)	189 MT	CH: 344 + 705.3	NOS	6					
Total Value:							5,69,899		1,02,582	6,72,481

(RUPEES : Six Lakhs Seventy Two Thousand Four Hundred and Eighty One rupees Only)

PRODUCT SPECIFICATION - POT CUM PTEE BEARING

REFERENCE	MATERIAL DESCRIPTION	SPECIFICATION
	Pot	IS 1030 Grade 340-570 W / IS 2062 E 350 Gr BR
	Piston	IS 1030 Grade 340-570 W / IS 2062 E 350 Gr BR
	Top Plate	IS 1030 Grade 340-570 W / IS 2062 E 350 Gr BR
	Dowels	IS 2062 Grade E-250
	Rubber Pad	Neoprene
	SS Plate	AISI 316 L CR Quality
	PTFE	GRADE A of BS:3784
	Brass Strip	IS 410 GR CuZn37 / CuZn40
	Bolts	8.8 / 10.9 Grade (HT)

GCh

Ramy Page 1 of 2

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



HILLWAYS CONSTRUCTION CO. PVT. LTD

HCPL-01 HEAD OFFICE - RISHIKESH 34, Adarsh Gram,(HO)
Dehradun Road, Rishikesh, Uttarakhand-249201 RISHIKESH
Email : Hillwaysconstruction@gmail.com , Ph. : 01352430130

PURCHASE ORDER

To,
M/s DEEVIN SEISMIC SYSTEMS PVT. LTD.
73 B, Sector C, Industrial area, Mandideep, Bhopal
(M.P.) INDIA-462046
GST No. 23AACCD8996P1ZT
State Name MADHYA PRADESH
PAN No. AACCD8996P

Order No.: HCCPL/HO-R1-3014/JAN/2023
Order Date : 14/01/2023
Valid From : 14/01/2023 To 29/01/2023

Delivery/ Shipping Address:

HCCPL-19
BERINAG-PURANATHAL-MUWANI 90 M
Tarigaon PO: Balgadi Distt: Pithoragarh
GST No.:05AABCS1029D1Z0
State Name:UK

Billing Address:

HILLWAYS CONSTRUCTION CO. PVT. LTD
34, Adarsh Gram, Dehradun Road, Rishikesh,
Uttarakhand-249201
GST No. : 05AABCS1029D1Z0

**PO Subject : Purchase order for Spherical Bearings : CONSTRUCTION OF 90M SPAN STEEL TRUSS MOTOR BRIDGE OVER
RAMGANGA RIVER IN KM 25 OF BERINAG-VINAYAK-PURANATHAL-MUWANI MOTOR ROAD IN DISTRICT
PITHORAGARH**

Please supply the undermentioned material(s)/spare parts subject to the conditions herein below.

Sr.	Items	HSN Code	Qty.	Unit	Rate	Taxable Amt.	IGST Rate/Amt.
1	FX BEARING [LOADING 620 MT]		1.0000	NOS			
2	SGL BEARING [LOADING 620 MT]		1.0000	NOS			
3	SGT BEARING [LOADING 620 MT]		1.0000	NOS			
4	FF BEARING [LOADING 620 MT]		1.0000	NOS			
Total			4				
					Total		
					GST Amount		
					Round Off		

Rupees: EIGHT

Jurisdiction : RISHIKESH

Terms & Conditions:

Production Specification -

(Pedestal Size- 1000mm x 1000mm)

Pot:- IS 1030 Grade 340-570 W / IS 2062 E 350 Gr BR
Piston :- IS 1030 Grade 340-570 W / IS 2062 E 350 Gr BR
Top Plate:- IS 1030 Grade 340-570 W / IS 2062 E 350 Gr BR
Dowels:- IS 2062 Grade E-250
SS Plate:- AISI 316 L CR Quality
PTFE:- GRADE A of BS:3784
Rocker Strip:- IS 2062 E250 Gr BR
Sliding Strip:- CM1/CM2 Material
Bolts:- 8.8 / 10.9 Grade (HT)

1) The manufacturer will submit the Design & Drawing of the Bearing conforming to relevant latest IRC/MoRTH codes to HCCPL within 5 Days of issue of this P.O. The Design & Drawing shall be submitted by HCCPL to Client's Consultant. The manufacturer/designer of the bearing shall be responsible for complying/ convincing the Consultant for their query, if any, and will get its Design approved from the Consultant before starting the manufacturing of bearings.

Page No. 1 of 2 | Print On : 17-01-2023 11:58 AM

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



ENGINEERS & CONTRACTORS

A-22, Main Line, Market Yard, UNJHA - 384 170 (N. Guj.) Tel : + 91 - 2767 - 25 23 36
E-mail : sona_builder@rediffmail.com

Sona/Deevin/Kosamba Rob/2022-23/01

Date: 25.04.2022

To,
Deevin Seismic System Pvt Ltd.
Deevin House, 73B, Sector -C,
Industrial Area, Mandideep,
Bhopal (M.P)

Ref.: Quotation No. DSSPL/QTN/22-23/020 Dated 18.04.2022

Sub.: Purchase Order "CONSTRUCTION OF ROB IN LIEU OF LC NO.161 (RLY.KM-298/20-22) OF VADODARA-SURAT".

"Test report in the name of Sona Builders".

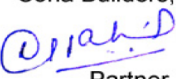
Respected sir,

In reference to your above quotation we hereby place our purchase order for the Spherical bearing in Gujarat Billing as per your terms and condition. The total requirement of bearing is as per below with delivery address.

Sr. No.	Description	Loading	UOM	Qty.	Rates	Amount
1.	FX Bearing	6576 KN	Nos	1		
2.	FF Bearing	6360 KN	Nos	1		
3.	SGL Bearing	6588 KN	Nos	1		
4.	FF Bearing	6321 KN	Nos	1		
Sub-Total						8,13,230.00
GST 18%						146381.40
Grand Total						9,59,611.40
Discount						2%
Payable Rate after Discount						9,40,419.17
The Payment of Rs. 1,50,000.00 (One Lakhs Fifty Thousand only) have been made through RTGS in your Punjab and Sind Bank A/c No. 07421600016603						
Delivery Address: Sona Builders, Kosamba R.O.B, LC NO.161, Kosamba - 394120, Gujarat Mob. No.: 9898053505 (Jignesh Patel)				Billing Address: Best Infrastructure, Opp. Ayurvedic Hospital, Unjha - 384170, Mehsana, Gujarat (GST No.: 24AAOFB9868K1ZO)		

Note: The above P.O. shall be considered after the approval of Design submitted to the DFCCIL Department.

Thanking you

Yours faithfully
Sona Builders,

Partner

Page 1 of 1



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

Phone : (0) (02646) 272739, 272197
Fax : (0) (02646) 272749
E-mail : rachana1815@gmail.com
hasurachana@gmail.com

**Rachana**

CONSTRUCTION COMPANY

Date :- 09/09/2022

TO
Deevin Seismic Systems Pvt Ltd
73-B, Sector-C,
Industrial Area,
Mandideep,
Raize

Sub :- Purchase Order of open web girder Spherical Bearing for LC No. 150 in Gujarat.

Ref :- Your offer No. DSSPL/QTN/21-22/132 DT: 23.12.2021

Kind Attention :- Mr. Sarang Mohide

Dear Sir,

Please find the purchase order the following items for Gujarat Billing.

Sr. No.	Type of Bearings	Capacity	QTY. (Nos)	Rate/No. (in Rs)	Amount (in Rs)
Open Web Girder				As Per Drawing Approved By DFCCIL	
1	FX BEARING	6500 KN	2		
2	SGT BEARING	6500 KN	2		
3	SGL BEARING	6500 KN	2		
4	FF BEARING	6500 KN	2		
TOTAL AMOUNT					Rs.17,37,402.00
Total					Rs.17,37,402.00
IGST 18%					Rs. 3,12,732.36
Total					Rs.20,50,134.36

Terms & Condition

- 1) Transportation Charges Extra
- 2) Testing Report will be name of Construction of 2- Lane Road over Bridge in lieu of existing LC No. 150 At Rly km Km-278/14-16 (DFCC Ch- 28967.59 of section-4 of DFCC) between SAYAN and KIM stations of SURAT – VADODARA W.Rly Route & JNPT (Mumbai) – Dadri (Delhi) WDFC –Route.
- 3) Delivery Before The End of AUG - 2022

Billing Address :-
RACHANA CONSTRUCTION CO
Plot No.1815, Phase-I,GIDC Panoli,
Ta-Ankleshwar,
Di-Bharuch 394116
GST No. 24AACFR0292F1ZJ

Delivery Address:-
Rachana Construction Co.
LC No.150,
Village:- Gothan, Kim Kareli Road,
Ta- Olpad
Dist -Surat 394110
Contact No. Mr.Sandipbhai :- +91 98258 42410

So,Kindly dispatch the material as early as possible
Wishing kind co-operation.

Thanking you,

Yours truly,
For, Rachana Construction Co.

S.P Patel

Partner



CORP. OFFICE : Plot No. 1815, Phase-I, P.B. No. 15, GIDC, Panoli - 394 116. Ta. Ankleshwar. Dist. Bharuch. (Gujarat)
BRANCH OFFICE : At. & Po. Maktupur, Ta. Unjha, Dist. Mehsana. (N. Gujarat) Ph. : (O) 02767 - 256738

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



Telefax : 00-91-40-23601166
00-91-40-23556933
00-91-40-23556996

ANUSHA PROJECTS PRIVATE LIMITED

2 .For Pre stress Material

Sl No	Description	Unit	Quantity	Unit Price	Amount (INR)	Remarks
1	ANCHOR CONE 19 - 15	Nos	355			
2	ANCHOR HEAD 19 - 15	Nos	355			
3	LIVE WEDGES 15.2 mm	Nos	6,255			
Total					15,48,134	

Total Work Order value: Rs. 44,44,715/-

Terms & Conditions

- Above prices are Ex- Works, Mandideep (M.P.).
- GST @18% will be extra as applicable.
- Transportation charges shall be paid extra and as per the actuals.
- Signed and Stamped work order copy should be sent for confirmation of acceptance.
- Anchor cones shall be dispatched within 10-12 days after receipt of advance amount.
- The dowels shall be dispatched in 1st lot within 15 days after drawings approval and payment of advance amount. Templates shall be supplied by DSSPL at the agreed rates after finalisation of the drawings. Payment of templates shall be made as per the rates finalised by both the parties.
- The dowels shall be invoiced @ 10% of the bearing amount & the invoice of bearings shall be done @ of 90% of Bearings amount.
- For Pre stress items 100 nos will be sent in the 1st lot within 10-12 days after finalisation of drawings and remaining in the 2nd lot after 30 days of the first lot.
- All the materials shall be as per the approved drawings and ISO/IRC specifications and material shown to us at the time of inspection and approval.
- Material to be lifted after the Quality Check / inspection by customer.
- 50% of the purchase order amount shall be paid as advance.
- Remaining 50% payment to be made against proforma invoice, prior to lifting of finished goods.
- Dispatch of goods will be done in 3 days after final payment.
- 50% of the material shall be dispatched within 50days after dispatch of sleeves and remaining 50% of the material shall be send within next 25 days.
- Factory visit for the source approval and quality check by the Authority & AE, as required will be managed byDSSPL at the cost of DSSPL(Local Travel, Accomidation, Food). To and Fro flight charges will be borne by APPL.
- We reserve the right to cancel this order if services/materials are not delivered as per specification or sample shown to us or within the specified time.

Thanking You
For Anusha Projects Private Limited

Authorized Signatory



Accepted
For Deevin Seismic Systems Pvt. Ltd

Authorized Signatory

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



SHRI S. M. AUTADE PVT. LTD.

HEAD OFFICE:
17, "AKANKSHA" Bungalow, Giriraj Society, Baner Road,
Near Sakal Nagar, Pune-07. Tel. No. 020-25640391
E mail- pune@autadegroup.com Website: autadegroup.com
CIN No. U45200PN2014PTC151170

Ref.:

Date :

Annexure-A

RATE/QUANTITY STATEMENT				
Sr. No	Description of Item	Quantity in Tons	Rate	Remarks
1	Pre-stressing Work PSC I Girder (Span of various Girders Cable Cutting, Threading, Fixing and Anchorages, Stressing and Grouting with Sub-Contractors Machinery & Staff	QTY Shall be Decided on site requirements		
GST Extra 18% >>>>>				

Thanking you
Authorized Signatory

(For Shri S.M Autade Pvt. Ltd)



Accepted the above terms

Signature of Sub-Contractor
(Deevin Seismic Systems Pvt Ltd.)



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

WORK ORDER



Larsen & Toubro Limited, Construction

PB No 979, Mount-Poonamallee Road,
Manapakkam, Chennai - 600089,
Tamil Nadu, India
CIN - L99999MH1946PLC004768
Tel No. 044-22526000
Fax No. 044-22526059
Website: <https://eip4.Intecc.com>

ORDER NO. : LE/LE21M882/WOD/23/000428
WO DATE : 23-Aug-2023
LATEST AMENDMENT : 0
AMENDMENT DATE : ---
VALUE : 3,596,026.40 INR
STATUS : **Authorized**



Order Essentials

Job : LE21M882 - MAHSR C4-Section 3
Payment Centre : SZ000010 - Shared Services Centre - Accounting Center
Type : Regular Labour With Materials
Service Group : Revenue
WO Period : 22-Aug-2023 to 22-Nov-2023
Currency : Indian rupee
RFQ Ref. No. : LE/LE21M882/RFQ/23/006336
LD Clause : Applicable
GTC : Accepted
Last Bill Number : 0
Bill Type : Running Bill

Vendor Details

Name : PI2201021321000 - Deevin Seismic Systems Pvt Ltd
Address : 73 B, Sector C, Industrial Area, Mandideep, ,
Bhopal
State : Madhya Pradesh
Country : India
Mobile : 6232026606
Phone : ---
Email : bd@deevinss.com
BQ Ref. No. : 2
WO Accepted By : ---
WO Accepted On : ---

Statutory Details

Job GST : 24AAACL0140P7ZJ
Job PAN : AAACL0140P
Vendor GST : 23AACCD8996P1ZT
Vendor PAN : AACCD8996P

Billing To

KADODRA SURAT ROAD,
ANTROLI CHAR RASTA,
NEAR BY ANTROLI FARMHOUSE,-394150
CIN-L99999MH1946PLC004768

Execution At

KADODRA SURAT ROAD,
ANTROLI CHAR RASTA,
NEAR BY ANTROLI FARMHOUSE,-394150
CIN-L99999MH1946PLC004768

Nature of Scope

Portal Prestressing works at MAHSR C4 Package

Refer Annexure Details

Item Abstract - Cost Package/WBS Details, Delivery Schedule, Itemwise Tax Details, Additional Terms & Conditions

Items Abstract

Description - Code	Quantity	UOM	Rate	Tax	Total Value
SCOPE :- Stressing; SCOPE INCLUDES :- Fixing of sheathing, Pushing of prestressing strands, Fixing of anchorages, Grouting; Work Categorization :- Charges for Specialized work with Tools / P&M; Additional Description : NA - 6C2BS001H (SAC: 18% - General construction services of highways, streets, roads, railways and airfield runways, bridges and tunnels - General construction services of highways, streets, roads, railways and airfield runways, bridges and tunnels - 18% - General construction services of highways, streets, roads, railways and airfield runways, bridges and tunnels - 995421)	64.840	Metric Tonne			

In Words :

Grand Total

Report Generated at 23-Aug-2023 9:05:05 PM

Page 1 of 18

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*Save Paper ! Save Trees !! - View WorkOrder digitally..!!!

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



SHRI S. M. AUTADE PVT. LTD.

HEAD OFFICE:
17, "AKANKSHA" Bungalow, Giriraj Society, Baner Road,
Near Sakal Nagar, Pune-07. Tel. No. 020-25640391
E mail- pune@autadegroup.com Website: autadegroup.com
CIN No. U45200PN2014PTC151170

Ref. Order No. SSMA/ SNK-MH/NH-48/Pkg-II/2023-24/WO/130 Date 08-09-2023

WORK ORDER

To,
M/s Deevin Seismic Systems Pvt Ltd,
Add:-73-B,Sector C,Mandideep,Bhopal,
M.P India -462046

GST No : 23AACCD8996P1ZT
PAN No. : AACCD8996P
Aadhar No : -
Mob No : 9926106605

Kind Attention: Deevin Seismic Systems Pvt Ltd.

Subject: - "Construction of 6 laning from Sankeshwar Bypass to MH-KNT Border from Km. 555+017 to Km. 592+853 of NH-48 in the state of Karnataka on Engineering, Procurement & Construction (EPC) Mode under Bharatmala Pariyojana (Package-II)"- Reg. Supply Pre Stressing Material & Services of Post tensioning material for VIADUCT.

Dear Sir,

With reference to the subject quoted above and subsequent discussion had with you, we are pleased to release our firm work order for Supply Pre Stressing Material & Services of Post tensioning material for VIADUCT. work as per following terms and conditions. The Rates will be followed as per the attached "Annexure- A"

SR No	STR	SIZE	UNIT	QTY	RATE	AMOUNT
1	VIA DUCT	Anchor Cone for 19T15 (1906)	Nos	1664		
2		Anchor Head for 19T15 (1906)	Nos	1664		
3		Live Wedges 15.2mm (06)	Nos	31616		
4		Anchor Cone for 19T13 (1905)	Nos	48		
5		Anchor Head for 19T13 (1905)	Nos	48		
6		Anchor Cone 12T13 (1205)	Nos	16		
7		Anchor Head for 12T13 (1205)	Nos	16		
8		Live Wedges 12.7mm (05)	Nos	1104		
Total						

SR No	STR	Description	UNIT	QTY	RATE	AMOUNT
1	VIA DUCT	Pre stressing (single & Both End) & also 2 stages	MT	429.75		
Total						



BRANCH OFFICE:

- KHANDOBA LANE, MANGALWEDHA, DIST. SOLAPUR-413305. Tel. No. (02188) 221650 Fax No. (02488) 221700
- 8/2, MURARJI PETH, BHAGWAT UMA MANDIR BLDG., SOLAPUR 413003. Ph.No.(0217) 2728485
- M. A. PATIL NIWAS, NEAR JAIL, DARGAH ROAD, BEHIND SHREYA HOSPITAL, BIJAPUR-586101. Ph. No. (08352)272958

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

2. GEO PRODUCTS

3462-HINOT-PO-24-25 Dt. 25-Oct-2024									
		BANSAL CONSTRUCTION WORKS PVT LTD Bhopal, India462016 GST No. 23AAECB1762H1Z0, bcwgroup@yahoo.co.in,							
Purchase Order Amended									
Invoice To M/s. Bansal Construction Works Pvt. Ltd. 3rd Floor, Tawa Complex, E-5, Arera Colony Bhopal - 462016 GSTIN/UIN : 23AAECB1762H1Z0					PO No.: 3462-HINOT-PO-24-25 Dt. 25-Oct-2024 PR No.: 054419-HINOT-REQ-MAT Dt. 13-Oct-2024 1 - 28/10/2024 Reason : RATE AMEND. Project : BCWPL-EP-NEPC-021 - Vidisha Hinotiya Road Warehouse : 1088-Vidisha Civil Camp-1				
Vendor M/s. DEEVIN SEISMIC SYSTEMS PVT. LTD. 73 A SECTOR C, INDUSTRIAL AREA MANDIDEEP, Mandideep RAISEN 462046 ☎ - 9131335676 ✉ - mithileshtiwari@deevinss.com GSTIN/UIN : 23AACCD8996P1ZT					Ship To M/s. Bansal Construction Works Pvt Ltd Patwari Halka No 1, Gram Suakhedi, Serve No 107, Vidisha, Madhya Pradesh, Vidisha, MADHYA PRADESH, India . - 464001 ✉ - purchase@bansalgroup.net.in ☎ - 101731-DHARMENDRA SINGH RAJPUR ☎ 9131485426 GSTIN/UIN : 23AAECB1762H1Z0				
S.No	Description of Goods	HSN	Quantity	Rate	Disc % + Amt	Net Rate	CGST %	SGST %	Net Amount
1	Polyster Yarn Geo Strap / Paraweb Strap 30KN	TAX18	30,000.000 MTR						
2	Polyster Yarn Geo Strap / Paraweb Strap 40KN	TAX18	58,000.000 MTR						
3	Polyster Yarn Geo Strap / Paraweb Strap 50KN	TAX18	90,000.000 MTR						
4	Polyster Yarn Geo Strap / Paraweb Strap 60KN	TAX18	52,000.000 MTR						
5	Polyster Yarn Geo Strap / Paraweb Strap 75KN	TAX18	58,000.000 MTR						
6	Polyster Yarn Geo Strap / Paraweb Strap 85KN	TAX18	20,000.000 MTR						
7	Polyster Yarn Geo Strap / Paraweb Strap 100KN	TAX18	8,300.000 MTR						
SGST									
CGST									
Total									
E. & OE									
Amount Chargeable (in words)									
INR									
Printed By : VIJAY KUMAR BISHVAS on 28/10/2024 06:14 PM					This is a Computer Generated Document			Page 1/2	

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

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DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

G-Cube Engineering Pvt Ltd

Purchase Order

M1-SHIVANJALI APARTMENT

PO Ref: GCEPL/PO/2024-25/DSSPL/015

Katol Road, Friends Colony, Nagpur, Maharashtra, 440013

Email: gcube.engg22@gmail.com

CIN: U74999MH2022PTC385891

Phone : +91-33-4804-1689

M/s DEEVIN SEISMIC SYSTEM PVT LTD

73 B, Sector C, Industrial area,

Mandideep, Bhopal (M.P.)

INDIA-462046

Email: info@deevinss.com

Attn: Mr. Palash Mishra

Quote Reference: DSSPL_QTN_GCube_RANIGANJ BYPASS_GS_2024_2_00036 dated 6th MAY-2024

Order Date: 30-09-2024

Payment Terms: Net 45

Acct Code: Destination

Freight Terms: Freight Prepaid & Add

GST : IGST

GST No : 23AACCD8996P1ZT

DSSPL_QTN_GCube_RANIGANJ BYPASS_GS_2024_2_00036 dated 6th MAY-2024

Invoice To:

GCUBE Engineering Pvt Ltd

M1-SHIVANJALI APARTMENT,

Katol Road, Friends Colony,

Nagpur, Maharashtra, 440013

Phone: 9874583944

Attn: Mr. Jayanta Majumder

GSTN: 27AAJCG8886E1Z1

Ship To:

G-CUBE ENGINEERING PVT LTD

C/O: GPT Infraprojects Ltd.

Vill; Ronai, Raniganj

Dist; Paschim Bardhaman

West Bengal - 713347

Contact: Mr. Sudip : 7875367352

RO	Quantity	Description	Ship via:	Required Ship Date:	Immediate	
Item			Truck / Road	UM	Price	Total
1	10000	Geostrap - 30		LM		
	5000	Geostrap - 40		LM		
	6000	Geostrap - 50		LM		
	6000	Geostrap - 60		LM		
	6000	Geostrap - 75		LM		
	5000	Geostrap - 85		LM		
	4000	Geostrap - 100		LM		
2	1800	EPDM PAD		Nos		
3	2000	Geo-Composite Drain		Sqm		
4	1000	Non Woven Geotextile - PET -150 GSM		Sqm		
		Sub Total				
		GST on Item No 1,3 & 4		12%		
		GST on Item No 2		18%		
		Round off +/-				
		Total				

Amount in words :

Purchase Order Comments

1. This purchase order is subject to seller's acceptance of the attached terms and conditions.
2. Latest date of delivery : **IMMEDIATE**
3. Manufacturer's Test Certificate for the entire consignment be submitted.
4. Payment Terms : 30 days.
5. Taxes : GST as applicable Extra.
6. Freight : Inclusive
7. TDS copy attached.
8. Packing, Forwarding & Loading : The charges for these will be to your account.
9. Any non conforming material should be taken back and replaced at your own cost.

Issued By:

Jayanta Majumder

Jayanta Majumder



Indent By:

Approved By:

Pradip Dutta

Pradip Dutta



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DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

PURCHASE ORDER

 GEO SOURCE Factory: 306,307,314 & 315 G.I.D.C. Dholka, DHOLKA-382225 DIST. AHMEDABAD GSTIN/UIN: 24AAKFG7111J1ZH State Name : Gujarat, Code : 24 E-Mail : fincont@geosource.in	Voucher No. LP/22-23/026	Dated 22-Sep-22				
	Reference No. & Date. LP/22-23/026	Mode/Terms of Payment 100% ADVANCE				
	Dispatched through	Other References DSSPL/QTN/22-23/0198				
Consignee (Ship to) GEO SOURCE Factory: 306,307,314 & 315 G.I.D.C. Dholka, DHOLKA-382225 DIST. AHMEDABAD e-mail : fincont@geosource.in GSTIN/UIN : 24AAKFG7111J1ZH State Name : Gujarat, Code : 24	Destination DHOLKA	Terms of Delivery Ex- Works, Mandideep (M.P.).				
Supplier (Bill from) DEEVIN SEISMIC SYSTEMS PVT LTD 73B,SECTOR C, INDUSTRIAL AREA, MANDIDEEP BHOPAL MADHYA PRADESH GSTIN/UIN : 23AACCD8996P1ZT State Name : Madhya Pradesh, Code : 23						
Sl No.	Description of Goods	Due on	Quantity	Rate	per	Amount
1	GEO NET - 5MM ROLL SIZE - 4M X 100M DEEVIN GN50R BLACK HDPE IGST 18%	22-Sep-22	1,200.0000 Sqmtr		Sqmtr	
	Total		1,200.0000 Sqmtr			
Amount Chargeable (in words)						E. & O.E
Company's Service Tax No. : AAKFG7111JSD001 Company's PAN : AAKFG7111J						
						 A. P. [Signature] for GEO SOURCE Authorised Signatory

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Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

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DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

(Subject to Rajnandgaon Jurisdiction)



AN ISO 9001 : 2015 Certified Company **SUNTECH GEOTEXTILE PVT. LTD.**

OFFICE : Ramadhin Marg, Rajnandgaon, (C.G.) Phone : +91- 9285227900

GSTIN : 22AATCS5208C1ZJ

To,
DEEVIN SEISMIC SYSTEMS PVT. LTD.
73-B, SECTOR-C
INDUSTRIAL AREA, MANDIDEEP
RAISEN-462046 (M.P.)
GSTNO. -
EMAIL ID.- vishalgarg@deevinss.com
KA - VISHAL GARG
MOB. - 9639702047

PO NO. : SGPL/PO/23-24/004 DATE
: 27.05.2023

Supply of following item as per the specifications given below :

ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
GEONET 4M X 50M	8000	SQM.		

HSN CODE - 39269099

IGST 18%

TOTAL

AMT. IN WORDS

COMMERCIAL TERMS AND CONDITIONS :

FREIGHT - EXTRA.

PAYMENTS TERMS -

DELIVERY PERIOD

DELIVERY ADDRESS - SUNTECH GEOTEXTILE PVT. LTD.
VILL. NATHUNAVAGAON, TEH. TUMBDIBOD RAJNANDGAON -- 491441
CHHATTISGARH

INSTRUCTIONS TO SUPPLIER :

1. There should not be any labeling or Branding.
2. Photographs of semi finished and finished (Packed material) to be shared to readiness.
3. Photographs of stuffing should be sent to us before Dispatch
4. The material should be well packed. Loose rolls stacks will not be accepted.
5. Manufacturer's Test certificates shall be send us before dispatch.

For, Suntech Geotextile Pvt.Ltd.

Autorised Signatory

Note:- Any Dispute arising out of this transaction would be subject to Rajnandgaon Jurisdiction Only

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

(Subject to Rajnandgaon Jurisdiction)



AN ISO 9001 : 2015 Certified Company

SUNTECH GEOTEXTILE PVT. LTD.

OFFICE : Ramadhin Marg, Rajnandgaon, (C.G.) Phone : +91- 9285227900

GSTIN : 22AATCS5208C1ZJ

To,
DEEVIN SEISMIC SYSTEMS PVT. LTD.
73-B, SECTOR-C
INDUSTRIAL AREA, MANDIDEEP
RAISEN-462046 (M.P.)
GSTNO. -
EMAIL ID.- vishalgarg@deevinss.com
KA - VISHAL GARG
MOB. - 9639702047

PO NO. : SGPL/PO/22-23/013
DATE : 10.07.2023

Supply of following item as per the specifications given below :

ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT
DRAINAGE COMPOSITE 710 GSM 2M X 100M	50000	SQM.		

HSN CODE - 39269099

IGST 18%

TOTAL

AMT. IN WORDS

COMMERCIAL TERMS AND CONDITIONS :

FREIGHT - EXTRA.

PAYMENTS TERMS -

DELIVERY PERIOD

DELIVERY ADDRESS - SUNTECH GEOTEXTILE PVT. LTD.
VILL. NATHUNAVAGAON, TEH. TUMBDIBOD RAJNANDGAON - 491441
CHHATTISGARH

INSTRUCTIONS TO SUPPLIER :

1. There should not be any labeling or Branding.
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3. Photographs of stuffing should be sent to us before Dispatch
4. The material should be well packed. Loose rolls stacks will not be accepted.
5. Manufacturer's Test certificates shall be send us before dispatch.

For, Suntech Geotextile Pvt.Ltd.

Authorised Signatory

Note:- Any Dispute arising out of this transaction would be subject to Rajnandgaon Jurisdiction Only

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DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



PURCHASE ORDER

Project Name : Dodaballapur Bypass to Hoskote

DILIP BUILDCON LIMITED
INFRASTRUCTURE & BEYOND

Vendor Details	PO No. : 4000049316 Ver. No.: 0 Dated : 22.01.2022
10000176 - DEEVIN SEISMIC SYSTEMS PVT LTD	Quotation No : Your Reference :
Address : 73-B, SECTOR C, INDUSTRIAL AREA MANDIDEEP DIST. RAISEN MANDIDEEP - 462046 Madhya Pradesh, India	Delivery Address : Doddaballapur Bypass To Hoskote Road Project Balepura Village Devanahalli (Taluk) Devanahalli - 562110 Karnataka, India
Contact Person : State & Code : Madhya Pradesh (23) E-Mail ID : ajaysinghthakur@dilipbuildcon.co.in GST No : 23AACCD8996P1ZT PAN No : AACCD8996P	Contact Person : State & Code : Karnataka (29) Note: Deliver Goods only to the Address mentioned in dispatch schedule section. Billing Address : NO-77, 5TH STAGE, BEHIND RMP QUARTERS, KUVEMPUNAGAR, MYSURU - 570023 Karnataka, India GST No : 29AACCD6124B1Z2 PAN No : AACCD6124B

We are pleased to place our Order on you for the following material/services subject to terms & condition and instructions as specified.

Sr. No.	Item Description	HSN Code	Qty.	UOM	Unit Rate	CGST %	SGST %	IGST %	UGST %	Amount Excl Tax
1	GEOSTRAP 30 KN	56041000	35,000	M						
2	GEOSTRAP 40 KN	56041000	25,000	M						
3	GEOSTRAP P50	56041000	20,000	M						
4	GEOSTRAP P60	56041000	17,000	M						
5	GEOSTRAP P75	56041000	20,000	M						
6	GEOSTRAP P85	56041000	15,000	M						
7	GEOSTRAP 100 KN	56041000	12,000	M						
8	NON WOVEN GEOTEXTILE	56031100	1,500	M2						
9	EPDM PAD	40021100	3,000	Nos						

Regd. Office Address :- PLOT NO 5,, BHOPAL - 462016, Madhya Pradesh

Ph. : 91-7554029999, Fax : 91-7554089998 Email : db@dilipbuildcon.co.in, Website : , CIN No. : L45201MP2006PLC018689

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

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DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



DILIP BUILDCON LIMITED
INFRASTRUCTURE & BEYOND

PURCHASE ORDER

Project Name : Dodaballapur Bypass to Hoskote

PO : 4000049316/0	Dated : 22.01.2022	
	Total Value Excluding tax	4,816,800.00
	CGST	0.00
	SGST	0.00
	IGST	867,024.00
	UGST	0.00
	CESS	0.00
	TCS	0.00
	Total Value Including tax	5,683,824.00

Order Value in Words : Rupees Fifty Six Lakhs Eighty Three Thousand Eight Hundred Twenty Four only

Specific Terms & Conditions :-

Payment Terms

Payment Mode :- ADVANCE

-
- 1. Freight:-FOR at site.
- 2. Delivery:-As per site requirement.
- 3. PO No,must be mention on Invoice.
- 4. MTC along with material.
- 5. 1 Roll = 100 Mtr. length

Site Contact Person:-
Mr.Yogesh-7410068826

REF PO No. 4000048832 Dated 05.01.2022.
4000039714 Dated 03.04.2021

Dispatch Schedule

Date	Item Description	Qty.	Storage Location/Dispatch Add
15.02.2022	12025812 - GEOSTRAP 30 KN	35,000.00 0	Dodaballapur Bypass to Hoskote VILL-KADANURU VILL-KADALLEWADA KADANURU DODDABALLAPURA - 561204 Karnataka, India
15.02.2022	12025813 - GEOSTRAP 40 KN	25,000.00 0	Dodaballapur Bypass to Hoskote VILL-KADANURU VILL-KADALLEWADA KADANURU DODDABALLAPURA - 561204 Karnataka, India
15.02.2022	12015335 - GEOSTRAP P50	20,000.00 0	Dodaballapur Bypass to Hoskote VILL-KADANURU VILL-KADALLEWADA KADANURU

*This is a system generated document. No signatures are required.

Regd. Office Address :- PLOT NO 5,, BHOPAL - 462016, Madhya Pradesh

Ph. : 91-7554029999, Fax : 91-7554089998 Email : db@dilipbuildcon.co.in, Website : , CIN No. : L45201MP2006PLC018689

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

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DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683



DILIP BUILDCON LIMITED
INFRASTRUCTURE & BEYOND

PURCHASE ORDER

Project Name : Nidagatta-Mysore

Vendor Details	PO No. : 4000045594 Ver. No.: 0 Dated : 05.10.2021
10000176 - DEEVIN SEISMIC SYSTEMS PVT LTD	Quotation No : Your Reference :
Address : 73-B, SECTOR C, INDUSTRIAL AREA MANDIDEEP DIST. RAISEN MANDIDEEP - 462046 Madhya Pradesh, India Contact Person : State & Code : Madhya Pradesh (23) E-Mail ID : ajaysinghthakur@dilipbuildcon.co.in GST No : 23AACCD8996P1ZT PAN No : AACCD8996P	Delivery Address : Sy. No- 34/3, Ganango Oru#Village K - Shettihalli, Hobli Shrirangapatna - Taluk Post Box-ALAGODU Mandya - 571807 Karnataka, India Contact Person : State & Code : Karnataka (29) Note: Deliver Goods only to the Address mentioned in dispatch schedule section. Billing Address : NO-77, 5TH STAGE, BEHIND RMP QUARTERS, KUVEMPUNAGAR, MYSURU - 570023 Karnataka, India GST No : 29AACCD6124B1Z2 PAN No : AACCD6124B

We are pleased to place our Order on you for the following material/services subject to terms & condition and instructions as specified.

Sr. No.	Item Description	HSN Code	Qty.	UOM	Unit Rate	CGST %	SGST %	IGST %	UGST %	Amount Excl Tax
1	TERA FLOW GEOCOMPOSITE DRAIN	5603110 0	70,000	M2						0

Total Value Excluding tax

CGST

SGST

IGST

UGST

CESS

TCS

Total Value Including tax

Order Value in Words :

Specific Terms & Conditions :-

Payment Terms

Payment Mode :- ADVANCE

1. Freight - FOR at Site.
2. Delivery - As per project requirement.
3. MTC along with material.
4. PO NO.must be mention on Invoice.

Previous PO reference-4000035540

Site Contact Person:-

Regd. Office Address :- PLOT NO 5,, BHOPAL - 462016, Madhya Pradesh

Ph. : 91-7554029999, Fax : 91-7554089998 Email : db@dilipbuildcon.co.in, Website : , CIN No. : L45201MP2006PLC018689

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



MATERIAL SPECIFICATION LIST

S.N.	PRODUCT NAME	Description	Specification	Reference
1	POT PTFE BEARING	Pot	IS 1030 Grade 340-570 W	IRC 83:PART III
		Piston	IS 1030 Grade 340-570 W	
		Top Plate	IS 1030 Grade 340-570 W	
		Dowels	IS 2062 Grade E-250	
		Rubber Pad	Neoprene	
		SS Plate	AISI 316 L CR Quality	
		PTFE	GRADE A of BS:3784	
		Brass Strip	IS 410 GR CuZn37/CuZn40	
		Bolts	8.8 Grade (HT)	
		Shot Blast	SA-3	
		Zinc Rich Epoxy Primer	120 Micron	
		PU Epoxy Paint	110 Micron	
2	PIN BEARING	POT	CAST STEEL (IS:1030,340-570 W)	IRC 83:PART III
		PISTON	CAST STEEL (IS:1030, 340 - 570 W)	
		NEOPRENE PAD	IS:3400	
		PIN	IS:1363	
		ANCHORS	IS:1363	
		TRANSPORT BRACKET	MILD STEEL (IS: 2062, E 250)	
3	METALIC GUIDE BEARING	BOTTOM 'T'	MILD STEEL (IS: 2062 E 350)	IRC 83:PART III
		TOP 'U'	MILD STEEL (IS: 2062, E 350)	
		PTFE SHEET	GRADE A of BS:3784	
		SS STRIP	AISI 316L/IS6911	
		ANCHORS	IS:1363	
		TRANSPORT BRACKET	MILD STEEL (IS: 2062, E 250)	
4	ELASTOMER BEARING	ELASTOMER LAYER	IS:3400	IRC 83:PART II
		STEEL LAMINATES	MILD STEEL (IS: 2062, E 250)	
5	STRIP SEAL EXPANSION JOINT	EDGE BEAM	STEEL OF IS2062 GRADE B	IRC SP:69
		BOLTS/STUD	STEEL OF IS2062 GRADE B	
		STRIP SEAL	Neoprene / EPDM	
		SPLICE 40x8x8 mm	MILD STEEL (IS: 2062, E 250)	

❖ For Detailed Specification & Manufacturing Procedure Please Go Through IRC Codes As Mentioned In List.



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

QUALITY ASSURANCE PLAN FOR DEEVIN LIVE WEDGES



DEEVIN SEISMIC SYSTEMS PVT LTD
73B, SECTOR C INDUSTRIAL AREA MANDIDEEP

QUALITY ASSURANCE PLAN FOR DEEVIN LIVE WEDGES .							
Rev No : R-0		Doc No :		Wedge 01			
Sl. No.	DESCRIPTION	TYPE OF TEST	TESTING BY	INSPECTION Frequency	RECORD	ACCEPTANCE CRITERIA	REFERENCE
1	Raw Material						
	Visual & Dimension	a. Dimensional Inspection	Mill Certificate	One Sample per Heat	Supplier TC	Crack Free Material & Dimension as per requirement	As per MTC
2	Physical &	a. Tensile strength	NABL Approved Laboratory	One Sample per Heat	Third Party TC	As per BS-970-1991	As per BS-970-1991
		b. Elongation					
	Chemical Properties	a. Chemical Composition					
3	Manufacturer	Visual &	Deevin	1% Randomly	Inspection	As per Drawing	As per Drawing
	Process Control	Dimension Test		Selected Piece	Records		
4	Heatreatment	a. Hardness & Case depth	as per Heat Treatment agency	One nos sample	Inspection Records	As per Drawing	Process control of
		b. Testing upto 85% of UTS of HTS.	In House Testing	randomly selected from the lot		Wedge should hold the strand of 85% HTS(min)	Deevin
5	Packing &	Visual Inspection	Deevin Stores	As per Record	PDI	As per Record	Purchase Order of
	Dispatch						Client
Prepared By			Approved By				
Q.C Engineer			Manager				

CONTROLLED COPY

QUALITY ASSURANCE PLAN FOR DEEVIN ANCHORAGE HEAD



DEEVIN SEISMIC SYSTEMS PVT LTD
73B, SECTOR C INDUSTRIAL AREA MANDIDEEP

QUALITY ASSURANCE PLAN FOR Deevin Anchore Head							
Rev. No : R-0.		Doc. No :		Anchor Head 01			
DESCRIPTION	TYPE OF TEST	TESTING BY	INSPECTION	RECORD	ACCEPTENCE CRITERIA	REFERENCE	
ANCHOR HEAD							
1	Raw Material	a. Dimensional Inspection	Mill Certificate	One Sample per Heat	Test Certificate	Crack Free Material & Dimension as per requirement	As per MTC
		b. Physical Test	NABL Approved Laboratory	One Sample per Heat	Third Party TC	As per BS-970-1991	As per BS-970-1991
	Chemical Properties	a. Chemical Composition					
3	Manufacturer	a. Hardness	as per MTC				
	Process Control	b. Dimensions	In house testing	5% Randomly Selected Piece	Inspection Records	As per Drawing	As per Drawing
4	Finished Product	Visual checking &	Deevin	5% Randomly Selected Piece	Inspection Records	As per Drawing	As per Drawing
		Dimension					
5	Packing &	Visual Inspection	Deevin Stores	As per Record	Delivery Challan	As per Record	Purchase Order of
	Dispatch						Client
Prepared By			Approved By				
Q.C Engineer			Manager				

CONTROLLED COPY

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



LIST OF MACHINERY

Sr. No.	Machine	Qty In Nos
1	Lathe Machines	9
2	MiG Welding Machines	10
3	Plano miller	1
4	Paint Station (Closed Chamber-Dry Type)	1
5	Shot blasting Automatic (Closed Chamber)	1
6	Header (cold forging)	1
7	Wire drawing Machine 18mm capacity	1
8	Hydraulic Press	3
9	Shaper	1
10	Milling machine	1
11	Semi-Automatic Cutting bandsaw	3
12	Arc welding	2
13	Hand Grinders 7"	2
14	Profile cutter	1
15	Pug machine	2
16	Gas cutting sets	2
17	Trolley	10
18	HYD. Press with Heated Platen 2000x900 mm	1
19	HYD. Press with Heated Platen 600x600 mm	1
20	HYD. Press with Heated Platen 450x450 mm	1
21	Mixing mill & Kneader Assly. (Cap 80 Kgs)	1-1
22	Compressor 300 CFM	1
23	Radial Drill	3
24	Colum Drill Machine	3
25	Hydraulic press 60 T	1
26	Magnetic -Drill	1
27	Automatic Bar bending machine	1
28	CNC-VMC	2
39	CNC-LATHE	2
30	CNC-VTL	1
31	EOT-Crane (10 Tons – 2 Nos. / 5 Tons – 1 Nos.)	3
32	Fork Lifts	3
33	Geo Net Extruder Machine	1
34	Geo Net Lamination Machine	2
35	Geo Strap Machine	2

LIST OF LAB EQUIPMENT'S

Sr. No.	Equipments	Qty in Nos
1	Densimeter	1
2	Shore D Hardness Tester	1
3	Rockwell Hardness Tester	1
4	Analytical Balance	1
5	Spectrometer (FTIR)	1



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

Sr. No.	Equipments	Qty in Nos
6	Soxhlet Extraction unit	1
7	Hot water bath	1
8	Heating Mantle	1
9	TDS Meter	1
10	Profile Projector	1
11	MDR	1
12	PT Test rig	1
13	DIGITAL UTM 250 KN MAKE ZWICK	1
14	DIN Rebound Resilience Tester	1
15	Tear Specimen Cutting Press	1
16	DIN Abrader	1
17	Ozone Chamber	1
18	Melting point Apparatus for powder chemicals	1
19	CROSS HATCH FULL KIT	1
20	Melt Flow index tester of Plastics	1
21	Leeb Hardness Tester	1
22	Refractometer for Oil Test	1
23	Modification of Compression testing machine 850 Tons	1
24	Modification of Compression testing machine 1200 Tons	1
25	DIGITAL UTM 2.5 KN MAKE ZWICK	1
26	Water Permeability of Geo-textiles / Geo-composite by Permittivity	1
27	Apparent Opening Size of a Geotextile	1
28	Nominal Thickness of Geosynthetics/ Thickness at specific pressure	1
29	Cone drop (Dynamic perforation)/ Puncture strength	1
30	Mass per Unit Area of Geotextiles	1
31	Determining the Coefficient of Soil and Geosynthetic or Geosynthetic and Geosynthetic Friction by the Direct Shear Method	1
32	Determining the Coefficient of Soil and Geosynthetic or Geosynthetic and Geosynthetic Friction by the Direct Shear Method	1
33	Hydraulic Transmissivity of Geosynthetic Using Constant Head/water Flow capacity & Tensile Properties both the directions	1
34	Bond Strength (Ply Adhesion) of Geo-composite	1
35	TGA Analyzer	1
36	Torsion tester	1
37	Apparent Opening Size of a Geotextile	1
38	Nominal Thickness of Geosynthetics/ Thickness at specific pressure	1
39	Cone drop (Dynamic perforation)/ Puncture strength	1

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

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Third Party Inspection Reports



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works : 73-B, Sector C, Industrial Area, Mandideep, Bhopal (M.P.) INDIA -462046
An ISO 9001:2015 Certified Company, CIN : U45200MP2008PTC044683

A Report on Testing of complete assembly of Elastomeric bearing with top & bottom plate with fully Vulcanized for the project of

Providing and supplying at the site complete assembly of **elastomeric bearing** with top & bottom plate, Metallic Guide bearings suitable for composite girder and Rocker and Roller bearings suitable for OWG spans, as per RDSO STANDARD DRAWING and specification including, testing, loading, unloading, transportation storage and supervision for installation of bearings on pier caps at the site, in connection with **Katni Grade Separator Project in Katni district, Madhya Pradesh.**

Name of the Project	:	Katni Grade Separator Project, KATNI.
Name of the Client	:	IRCON International Ltd.
Name of the Contractor	:	M/s DMR Builders Private Limited, (Govt. No. IRCON/2074/Exec-02/Under/Bearing/316/10A/20/2015 Dtd 16.04.2020)
Date of Inspection	:	31.12.2024 to 02.01.2025 & 11.01.2025
Elastomeric Bearing & RDSO Drawing No	:	Complete assembly of elastomeric bearing with top & bottom plate (Fully Vulcanized). RDSO Drawing No: RDSO/B-11751/3R2.
Elastomeric Bearing ID	:	DSSPL-61 to 198 (RDSO/B-11751/3R2).
Number of Bearings	:	24.4M SPAN Elastomeric bearing = 137 Nos. (including 2 nos of Complete assembly of elastomeric bearing id no 157 & 85 is used in shear modulus & shear bond test).
Manufactured as per RDSO Drwg by RDSO/B-11751/3R2	:	M/s DEEVIN SEISMIC SYSTEMS PVT.LTD, MANDIDEEP.
Inspected & Tested at	:	M/s DEEVIN SEISMIC SYSTEMS PVT.LTD, MANDIDEEP.

The inspection done on the raw materials & complete set of assembly of elastomeric bearings are also enclosed along with the Test for determination of General Inspection, Physical Dimension, Hardness test, Axial Load Test, Compression Stiffness Test, shear modulus test & Shear Bond Test on the Bearing is enclosed. The test results of Axial Load Test, Compression Stiffness Test, shear modulus test & Shear Bond Test are found satisfactory.

Witnessed By

- 1) Mr. Nishant Shrivastava
DGM/Mech/IRCON
KGS Project
- 2) Mr. R. Radhakrishnan
DGM/Civil/IRCON
KGS Project

Tested By

Mr. Jitendra Vishwakarma
Engineer, Quality
Deevin Seismic Systems Pvt. Ltd.

Approved By
Mr. Pramod Kumar Pawde
Sr. Manager Quality
Deevin Seismic Systems Pvt. Ltd.

Designer, Manufacturer and Installer of Pot Bearings, Spherical Bearings, Elastomeric Bearings, Metallic Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Strap, GEO Composites and allied accessories.
Contact : +91-7470766810, +91-6232928391, Email : info@deevinss.com



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works : 73-B, Sector C, Industrial Area, Mandideep, Bhopal (M.P.) INDIA -462046
An ISO 9001:2015 Certified Company, CIN : U45200MP2008PTC044683

A Report on Testing of complete assembly of Elastomeric bearing with top & bottom plate with fully Vulcanized for the project of

Providing and supplying at the site complete assembly of **elastomeric bearing** with top & bottom plate, Metallic Guide bearings suitable for composite girder and Rocker and Roller bearings suitable for OWG spans, as per RDSO STANDARD DRAWING and specification including, testing, loading, unloading, transportation storage and supervision for installation of bearings on pier caps at the site, in connection with **Katni Grade Separator Project in Katni district, Madhya Pradesh.**

Name of the Project	:	Katni Grade Separator Project, KATNI.
Name of the Client	:	IRCON International Ltd.
Name of the Contractor	:	M/s DMR Builders Private Limited, (LOA No. IRCON/2074/Katni-08/Tender/Bidding/316/LOA/20/2635 Dtd 16.04.2023)
Date of Inspection	:	31.12.2024 to 02.01.2025 & 11.01.2025
Elastomeric Bearing RDSO Drawing No	&	Complete assembly of elastomeric bearing with top & bottom plate (Fully Vulcanized). RDSO Drawing No: RDSO/B-11754/3R2.
Elastomeric Bearing ID	:	DSSPL-01 to 32 (RDSO/B-11754/3R2)
Number of Bearings	:	30.5M SPAN Elastomeric bearing = 32 Nos
Manufactured as per RDSO Drwg by RDSO/B-11754/3R2	:	M/s DEEVIN SEISMIC SYSTEMS PVT.LTD, MANDIDEEP.
Inspected & Tested at	:	M/s DEEVIN SEISMIC SYSTEMS PVT.LTD, MANDIDEEP.

The inspection done on the raw materials & complete set of assembly of elastomeric bearings are also enclosed along with the Test for determination of General Inspection, Physical Dimension, Hardness test, Axial Load Test, Compression Stiffness Test, shear modulus test & Shear Bond Test on the Bearing are enclosed.

Witnessed By

- 1) Mr. Nishant Shrivastava
DGM/Mech/IRCON
KGS Project
- 2) Mr. R. Radhakrishnan
DGM/Civil/IRCON
KGS Project

Tested By

Mr. Jitendra Vishwakarma
Engineer, Quality
Deevin Seismic Systems Pvt. Ltd.

Approved By

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Sr. Manager Quality
Deevin Seismic Systems Pvt. Ltd.

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Office & Works : 73-B, Sector C, Industrial Area, Mandideep, Bhopal (M.P.) INDIA -462046
An ISO 9001:2015 Certified Company, CIN : U45200MP2008PTC044683

A Report on Testing of complete assembly of Elastomeric bearing with top & bottom plate with fully Vulcanized for the project of

Providing and supplying at the site complete assembly of **elastomeric bearing** with top & bottom plate, Metallic Guide bearings suitable for composite girder and Rocker and Roller bearings suitable for OWG spans, as per RDSO STANDARD DRAWING and specification including, testing, loading, unloading, transportation storage and supervision for installation of bearings on pier caps at the site, in connection with **Katni Grade Separator Project in Katni district, Madhya Pradesh.**

Name of the Project	:	Katni Grade Separator Project, KATNI.
Name of the Client	:	IRCON International Ltd.
Name of the Contractor	:	M/s DMR Builders Private Limited, (LOA No: IRCON/2074/Katni-GS/Tender/Bearing/316/LGA/20/2635 Dtd 16.04.2023)
Date of Inspection	:	08.11.2024 to 09.11.2024.
Elastomeric Bearing RDSO Drawing No	&	Complete assembly of elastomeric bearing with top & bottom plate (Fully Vulcanized). RDSO Drawing No: RDSO/B-11751/3R2.
Elastomeric Bearing ID	:	DSSPL-1 to 60
Number of Bearings	:	24.4M SPAN Elastomeric bearing = 60 Nos
Manufactured as per RDSO Drwg by RDSO/B-11751/3R2	:	M/s DEEVIN SEISMIC SYSTEMS PVT.LTD, MANDIDEEP.
Inspected & Tested at	:	M/s DEEVIN SEISMIC SYSTEMS PVT.LTD, MANDIDEEP.

The inspection done on the material are also enclosed along with the Test for determination of General Inspection, Physical Dimension, Hardness test, Axial Load Test, Compression Stiffness Test, Shear Modules Test, Shear Bond Test, on the Bearing.

Witnessed By

- 1) Mr. Nishant Shrivastava
DGM/Mech/IRCON
KGS Project
- 2) Mr. R. Radhakrishnan
DGM/Civil/IRCON
KGS Project

Tested By

Mr. Jitendra Vishwakarma
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Sr. Manager Quality
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DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

Geo Strap 3rd Party Test Reports

LANDMARK
Material Testing And Research Laboratory Pvt. Ltd.

Doc No.-QR/08
Rev. No.-00
ULR-TC80772100000040F
LRL/02/2021/25A

TEST REPORT
Issue Date: 30.01.2021

1. Name & Address of Customer : Deevin Seismic Systems Pvt. Ltd.
73-B Sector C, Industrial Area, Mandideep, Raisen (M.P.)
: Deevin Web (Geotrap):-30kN (Make- Deevin-30), Width- 85 mm,
Total No. of Tensile Element -10 Nos.

2. Material Identification : OK.

3. Sample Condition when Received : SRF Dated- 22.01.2021,
Letter Ref- DSSPL/2021/01/QA/02, Dated- 19.01.2021

4. SRF /Letter Reference : 22.01.2021

5. Date of Sample Receipt : 27.01.2021

6. Date of Sample Tested : As per Standard Code

7. Environmental Conditions : Permanent Location

8. Test Performed at : Permanent Location

I. Mechanical Testing
1. Textile Materials

TEST RESULTS

S. No.	Name of Test	Method of Test	Test Results					Unit	Requirement	
			I	II	III	IV	V			(Avg.)
1	Tensile Strength	ISO 10319: 2015	42.60	41.13	41.01	41.28	40.20	41.24	kN	30 Min.
2	Elongation		12.03	10.40	10.75	11.36	11.38	11.18	%	≤ 12

Note- Tensile Strength = Total No. of Tensile Elements x Observed Load of single tensile element.

For Landmark Material Testing And Research Laboratory Pvt. Ltd.

(Dr. Anil Dixit)
Authorised Signatory

Page 1 of 3

30 KN

LANDMARK
Material Testing And Research Laboratory Pvt. Ltd.

Doc No.-QR/08
Rev. No.-00
ULR-TC80772100000041F
LRL/02/2021/25B

TEST REPORT
Issue Date: 30.01.2021

1. Name & Address of Customer : Deevin Seismic Systems Pvt. Ltd.
73-B Sector C, Industrial Area, Mandideep, Raisen (M.P.)
: Deevin Web (Geotrap):- 40kN (Make- Deevin-40), Width- 84 mm,
Total No. Of Tensile Element – 10 Nos.

2. Material Identification : OK.

3. Sample Condition when Received : SRF Dated- 22.01.2021,
Letter Ref- DSSPL/2021/01/QA/02, Dated- 19.01.2021

4. SRF /Letter Reference : 22.01.2021

5. Date of Sample Receipt : 22.01.2021

6. Date of Sample Tested : 28.01.2021

7. Environmental Conditions : As per Standard Code

8. Test Performed at : Permanent Location

I. Mechanical Testing
1. Textile Materials

TEST RESULTS

S. No.	Name of Test	Method of Test	Test Results					Unit	Requirement	
			I	II	III	IV	V			(Avg.)
1	Tensile Strength	ISO 10319: 2015	43.33	44.03	43.00	45.26	42.39	43.60	kN	40 Min.
2	Elongation		8.74	9.53	8.93	9.96	8.53	9.14	%	≤ 12

Note- Tensile Strength = Total No. of Tensile Elements x Observed Load of single tensile element.

For Landmark Material Testing And Research Laboratory Pvt. Ltd.

(Dr. Anil Dixit)
Authorised Signatory

Page 1 of 3

40 KN

LANDMARK
Material Testing And Research Laboratory Pvt. Ltd.

Doc No.-QR/08
Rev. No.-00
ULR-TC80772100000042F
LRL/02/2021/25C

TEST REPORT
Issue Date: 30.01.2021

1. Name & Address of Customer : Deevin Seismic Systems Pvt. Ltd.
73-B Sector C, Industrial Area, Mandideep, Raisen (M.P.)
: Deevin Web (Geotrap):-50kN (Make- Deevin-50), Width- 85 mm,
Total No. Of Tensile Element – 10 Nos.

2. Material Identification : OK.

3. Sample Condition when Received : SRF Dated- 22.01.2021,
Letter Ref- DSSPL/2021/01/QA/02, Dated- 19.01.2021

4. SRF /Letter Reference : 22.01.2021

5. Date of Sample Receipt : 28.01.2021

6. Date of Sample Tested : As per Standard Code

7. Environmental Conditions : Permanent Location

8. Test Performed at : Permanent Location

I. Mechanical Testing
1. Textile Materials

TEST RESULTS

S. No.	Name of Test	Method of Test	Test Results					Unit	Requirement	
			I	II	III	IV	V			(Avg.)
1	Tensile Strength	ISO 10319: 2015	62.15	60.73	56.97	58.18	55.82	58.77	kN	50 Min.
2	Elongation		11.79	11.27	10.84	11.50	10.72	11.22	%	≤ 12

Note- Tensile Strength = Total No. of Tensile Elements x Observed Load of single tensile element.

For Landmark Material Testing And Research Laboratory Pvt. Ltd.

(Dr. Anil Dixit)
Authorised Signatory

50 KN

LANDMARK
Material Testing And Research Laboratory Pvt. Ltd.

Doc No.-QR/08
Rev. No.-00
ULR-TC80772100000043F
LRL/02/2021/25D

TEST REPORT
Issue Date: 30.01.2021

1. Name & Address of Customer : Deevin Seismic Systems Pvt. Ltd.
73-B Sector C, Industrial Area, Mandideep, Raisen (M.P.)
: Deevin Web (Geotrap):- 60kN (Make- Deevin-60), Width- 88 mm,
Total No. Of Tensile Element – 10 Nos.

2. Material Identification : OK.

3. Sample Condition when Received : SRF Dated- 22.01.2021,
Letter Ref- DSSPL/2021/01/QA/02, Dated- 19.01.2021

4. SRF /Letter Reference : 22.01.2021

5. Date of Sample Receipt : 28.01.2021

6. Date of Sample Tested : As per Standard Code

7. Environmental Conditions : Permanent Location

8. Test Performed at : Permanent Location

I. Mechanical Testing
1. Textile Materials

TEST RESULTS

S. No.	Name of Test	Method of Test	Test Results					Unit	Requirement	
			I	II	III	IV	V			(Avg.)
1	Tensile Strength	ISO 10319: 2015	68.82	68.05	72.31	73.27	70.84	70.66	kN	60 Min.
2	Elongation		11.92	11.05	11.29	11.97	10.40	11.33	%	≤ 12

Note- Tensile Strength = Total No. of Tensile Elements x Observed Load of single tensile element.

For Landmark Material Testing And Research Laboratory Pvt. Ltd.

(Dr. Anil Dixit)
Authorised Signatory

60 KN

Geo Strap 3rd Party Test Reports

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

Email: sumender.singh@deevinss.com | Info@deevinss.com | Mobile: 6232937901 | 9971519313 | 9639702047



DEEVIN SEISMIC SYSTEMS PVT. LTD.

Office & Works: 73 B, Sector C, Industrial area, Mandideep, Bhopal (M.P.) INDIA-462046
CIN: U45200MP2008PTC044683

LANDMARK
Material Testing And Research Laboratory Pvt. Ltd.

Doc No.-QR/08
Rev. No.-00
ULR-TC80772100000044F
LRL/02/2021/25F

TEST REPORT
Issue Date: 30.01.2021

1. Name & Address of Customer : Deevin Seismic Systems Pvt. Ltd.
73-B Sector C, Industrial Area, Mandideep, Raisen (M.P)

2. Material Identification : Deevin Web (Geotrap)- 75KN (Make- Deevin-75), Width- 90 mm,
Total No. Of Tensile Element – 10 Nos.

3. Sample Condition when Received : OK.

4. SRF /Letter Reference : SRF Dated- 22.01.2021,
Letter Ref.- DSSPL/2021/01/QA/02, Dated- 19.01.2021

5. Date of Sample Receipt : 22.01.2021

6. Date of Sample Tested : 29.01.2021

7. Environmental Conditions : As per Standard Code

8. Test Performed at : Permanent Location

I. Mechanical Testing
1. Textile Materials

TEST RESULTS

S. No.	Name of Test	Method of Test	Test Results					Unit	Requirement	
			I	II	III	IV	V			(Avg.)
1	Tensile Strength	ISO 10319: 2015	85.95	83.97	83.35	85.72	86.61	85.12	kN	75 Min.
2	Elongation		11.18	10.72	10.54	11.06	11.76	11.05	%	≤ 12

Note- Tensile Strength = Total No. of Tensile Elements x Observed Load of single tensile element.

For Landmark Material Testing And Research Laboratory Pvt. Ltd.

(Dr. Anil Dixit)
Authorised Signatory

75 KN

LANDMARK
Material Testing And Research Laboratory Pvt. Ltd.

Doc No.-QR/08
Rev. No.-00
ULR-TC80772100000045F
LRL/02/2021/25F

TEST REPORT
Issue Date: 30.01.2021

1. Name & Address of Customer : Deevin Seismic Systems Pvt. Ltd.
73-B Sector C, Industrial Area, Mandideep, Raisen (M.P)

2. Material Identification : Deevin Web (Geotrap)- 85KN (Make- Deevin-85), Width- 89 mm,
Total No. Of Tensile Element – 10 Nos.

3. Sample Condition when Received : OK.

4. SRF /Letter Reference : SRF Dated- 22.01.2021,
Letter Ref.- DSSPL/2021/01/QA/02, Dated- 19.01.2021

5. Date of Sample Receipt : 22.01.2021

6. Date of Sample Tested : 29.01.2021

7. Environmental Conditions : As per Standard Code

8. Test Performed at : Permanent Location

I. Mechanical Testing
1. Textile Materials

TEST RESULTS

S. No.	Name of Test	Method of Test	Test Results					Unit	Requirement	
			I	II	III	IV	V			(Avg.)
1	Tensile Strength	ISO 10319: 2015	96.68	97.56	93.69	96.26	95.83	96.00	kN	85 Min.
2	Elongation		11.04	11.16	10.34	10.96	10.89	10.88	%	≤ 12

Note- Tensile Strength = Total No. of Tensile Elements x Observed Load of single tensile element.

For Landmark Material Testing And Research Laboratory Pvt. Ltd.

(Dr. Anil Dixit)
Authorised Signatory

85 KN

LANDMARK
Material Testing And Research Laboratory Pvt. Ltd.

Doc No.-QR/08
Rev. No.-00
ULR-TC80772100000046F
LRL/02/2021/25G

TEST REPORT
Issue Date: 30.01.2021

1. Name & Address of Customer : Deevin Seismic Systems Pvt. Ltd.
73-B Sector C, Industrial Area, Mandideep, Raisen (M.P)

2. Material Identification : Deevin Web (Geotrap)- 100KN (Make- Deevin-100), Width- 91 mm,
Total No. Of Tensile Element – 10 Nos.

3. Sample Condition when Received : OK.

4. SRF /Letter Reference : SRF Dated- 22.01.2021,
Letter Ref.- DSSPL/2021/01/QA/02, Dated- 19.01.2021

5. Date of Sample Receipt : 22.01.2021

6. Date of Sample Tested : 29.01.2021

7. Environmental Conditions : As per Standard Code

8. Test Performed at : Permanent Location

I. Mechanical Testing
1. Textile Materials

TEST RESULTS

S. No.	Name of Test	Method of Test	Test Results					Unit	Requirement	
			I	II	III	IV	V			(Avg.)
1	Tensile Strength	ISO 10319: 2015	106.24	102.72	105.31	109.30	104.90	105.69	kN	100 Min.
2	Elongation		10.71	10.94	10.38	11.23	10.85	10.82	%	≤ 12

Note- Tensile Strength = Total No. of Tensile Elements x Observed Load of single tensile element.

For Landmark Material Testing And Research Laboratory Pvt. Ltd.

(Dr. Anil Dixit)
Authorised Signatory

100 KN

Designer, Manufacturer, and Installer of all types of Bridge Bearings, Expansion Joints, Post Tensioning Systems, High Strength GEO Straps & GEO Composite, and allied accessories.

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