SCON
INFRA PRESTRESS LLP
Value Driven Excellence

- CABLE STAY BRIDGES
- PRESTRESSING ANCHORAGE
- POST TENSIONING
- BRIDGE BEARING
- EXPANSION JOINT
- REPAIR & REHABILITATION
- ROCK ANCHORING

www.sconinfra.com

CERTIFICATES AND APPROVALS

ISO CERTIFICATE

UNIVERSAL CERTIFICATION SERVICES PRIVATE LIMITED

CERTIFICATE

This is to Certify that the Management System of

SCON INFRA PRESTRESS LLP

HEAD OFFICE: 110-111, & 113, R PLAZZIA, SWASTIK REGALIA TOWER, WAGHBILL, GB ROAD, THANE, MAHARASHTRA 400607 INDIA.

FACTORY ADDRESS: H.NO. 2991, PLOT NO. 72 BABOSA INDUSTRAIL ESTATE, MUMBAI NASHIK HIGHWAY, SONALE, BHIWANDI, THANE, MAHARASHTRA 421302 INDIA.

has been assessed and found to be in compliance with the requirements of the standard

ISO 9001: 2015

Quality Management System

This certificate is valid for the following products or service range

DESIGNING, MANUFACTURING, SUPPLY AND INSTALLATION OF PRODUCT AND SERVICES RELATED TO POST TENSIONING WORK, BRIDGE BEARING, EXPANSION JOINTS, ROCK ANCHORS, CABLE STAY.

The validity of certificate is subject to regular surveillance audit on or before below mentioned dates and it's only valid after successful surveillance with continuation letter issued by UCSPL

Initial Date of Certification : 23/08/2023 | Current Date of Certification : 23/08/2023

Date of Expiry : 22/08/2026 | 1st Surveillance Audit 22 August 2024 | 2nd Surveillance Audit 22 August 2025 | Certification Number : UCS8022-23B11792

Authorised Signatory

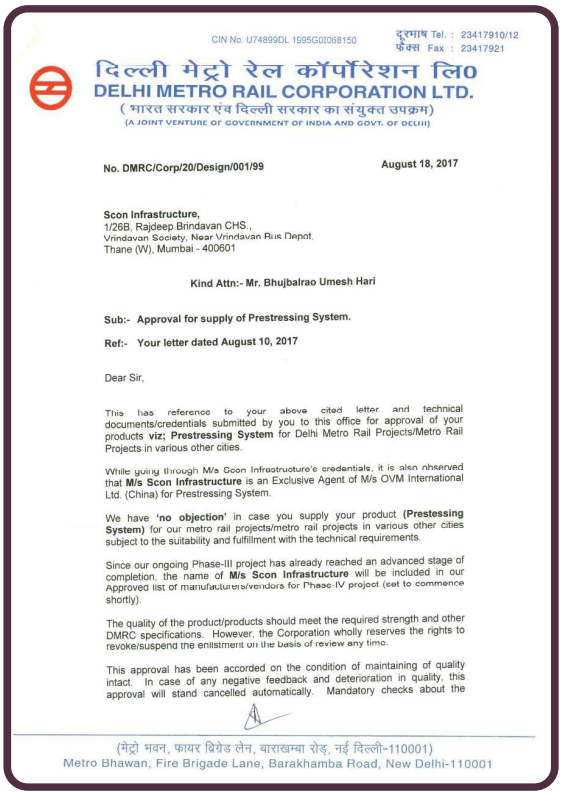
KAB-QC-80

UNIVERSAL CERTIFICATION SERVICES PVT. LTD.
E-mail : admin@universalcertification.co.in
Web : www.universalcertification.co.in

This certificate of registration remain the property of Universal Certificaion Services Pvt. Ltd. and shall be returned immediately upon request. the validity of this certificate can be verified at www.universalcertification.co.in

India Office :A-12, P.NO . 105 -108, MADHUVAN PARK-1 KOLAR ROAD, BHOPAL (462042), Madhya Pradesh, INDIA.

DMRC APPROVAL CERTIFICATE



CIN No. U74899DL 1995GOI068150

दूरभाष Tel. : 23417910/12
फैक्स Fax : 23417921

दिल्ली मेट्रो रेल कॉर्पोरेशन लि०
DELHI METRO RAIL CORPORATION LTD.
(भारत सरकार एंव दिल्ली सरकार का संयुक्त उपक्रम)
(A JOINT VENTURE OF GOVERNMENT OF INDIA AND GOVT. OF DELHI)

No. DMRC/Corp/20/Design/001/99 August 18, 2017

Scon Infrastructure,
1/26B, Rajdeep Brindavan CHS.,
Vrindavan Society, Near Vrindavan Bus Depot,
Thane (W), Mumbai - 400601

Kind Attn:- Mr. Bhujbalrao Umesh Hari

Sub:- Approval for supply of Prestressing System.

Ref:- Your letter dated August 10, 2017

Dear Sir,

This has reference to your above cited letter and technical documents/credentials submitted by you to this office for approval of your products **viz; Prestressing System** for Delhi Metro Rail Projects/Metro Rail Projects in various other cities.

While going through M/s Scon Infrastructure's credentials, it is also observed that **M/s Scon Infrastructure** is an Exclusive Agent of M/s OVM International Ltd. (China) for Prestressing System.

We have **'no objection'** in case you supply your product **(Prestessing System)** for our metro rail projects/metro rail projects in various other cities subject to the suitability and fulfillment with the technical requirements.

Since our ongoing Phase-III project has already reached an advanced stage of completion, the name of **M/s Scon Infrastructure** will be included in our Approved list of manufacturers/vendors for Phase-IV project (set to commence shortly).

The quality of the product/products should meet the required strength and other DMRC specifications. However, the Corporation wholly reserves the rights to revoke/suspend the enlistment on the basis of review any time.

This 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. Mandatory checks about the

(मेट्रो भवन, फायर ब्रिगेड लेन, बाराखम्बा रोड़, नई दिल्ली-110001)
Metro Bhawan, Fire Brigade Lane, Barakhamba Road, New Delhi-110001

BRIDGE BEARING APPROVAL FOR NHAI PROJECT

SHRIKHANDE CONSULTANTS PVT. LTD.
TRUST • EXPERIENCE • QUALITY

Letter No.: SCPL/A 3408-P/RTC X /2022/085 Date: 21.10.2022

To,

The Vice President,
M/s. MVR Infra Projects Pvt. Ltd.,
No. 8-2-293/82/J-III/436, Near Apollo Pharmacy,
Road No. 80, 3rd Phase, Jubilee Hills,
Hyderabad.

Sub: "Construction of 4 lane bidirectional elevated corridor from Indira Park to VST main road crossing NTR stadium junction, Ashoknagar crossroad junction and Baghlingampally junction" and "Construction of 3 lane bidirectional Grade Separator from Ram Nagar to Baghlingampally crossing VST main road junction at 2nd level and passing through the Indian Hume pipe Co., Ltd and Vazir Sultan Tobacco Land" – **Source Approval For M/s. SCON INFRASTRUCTURE– Bearings Source Approvals-Reg.**

Ref: MVRIPPL/HYD/SCPL/RTC X ROADS/2020-21/108 Dt: 03-10-2021

Dear Sir,
In reference to your above letter for source approvals, the credentials are reviewed the submittals and on the basis of evaluation of technical documents submitted by EPC agency for the **POT/PTFE Bearings**, the PMC team(HO) from visited the factory of **M/s.SCON** in Thane, MUMBAI and conducted tests and verified the measurements and found within tolerable.

Hence, the above source for bearings are provisionally approved. During the project course time if found any errors, discrepancies in designs, productions shall be notified in prior notice and subsequently modified by EPC agency.

Thanking you Sir,

Yours Faithfully,
(For SHRIKHANDE CONSULTANTS PVT. LTD.)

(H.M.Radha Krishna)
Project Manager

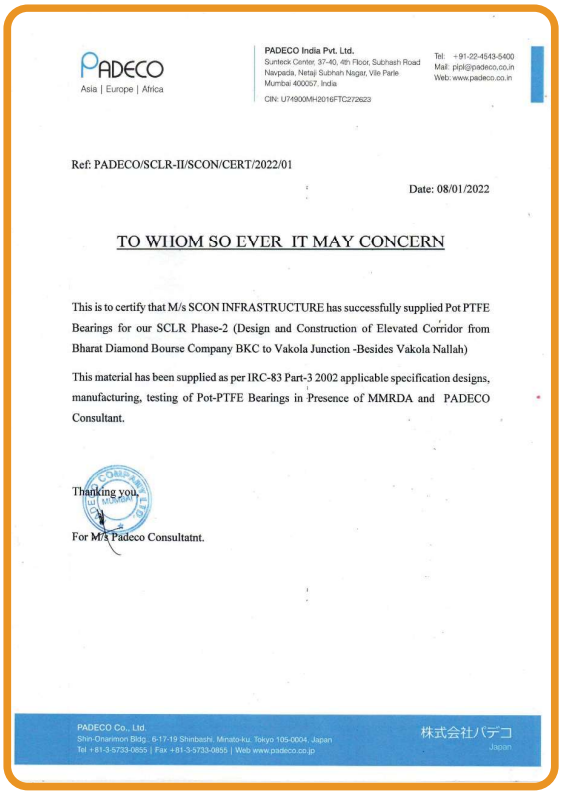
C.C: The Executive Engineer (Projects) – GHMC
End: Credential Report of M/s. SCON INFRASTRUCTURE.

Page 1 | 1

CIN: U74210MH1978PTC020860

33-35, Shanti Centre, 3rd Floor, Plot No. 8, Sector No. 17, Vashi, Navi Mumbai - 400 705.
T. 91.22.2789 1444/ 2763/3993 | F. 91.22.2789 1249 | E. scplvashi@gmail.com | W. www.scplasia.com

BRIDGE BEARING APPROVAL FOR MMRDA PROJECT



PADECO
Asia | Europe | Africa

PADECO India Pvt. Ltd.
Sunteck Center, 37-40, 4th Floor, Subhash Road
Navpada, Netaji Subhash Nagar, Vile Parle
Mumbai 400057, India
CIN: U74900MH2016FTC272623

Tel: +91-22-4543-5400
Mail: pipl@padeco.co.in
Web: www.padeco.co.in

Ref: PADECO/SCLR-II/SCON/CERT/2022/01

Date: 08/01/2022

TO WHOM SO EVER IT MAY CONCERN

This is to certify that M/s SCON INFRASTRUCTURE has successfully supplied Pot PTFE Bearings for our SCLR Phase-2 (Design and Construction of Elevated Corridor from Bharat Diamond Bourse Company BKC to Vakola Junction -Besides Vakola Nallah)

This material has been supplied as per IRC-83 Part-3 2002 applicable specification designs, manufacturing, testing of Pot-PTFE Bearings in Presence of MMRDA and PADECO Consultant.

Thanking you

For M/s Padeco Consultatnt.

PADECO Co., Ltd.
Shin-Onarimon Bldg., 6-17-19 Shimbashi, Minato-ku, Tokyo 105-0004, Japan
Tel +81-3-5733-0855 | Fax +81-3-5733-0855 | Web www.padeco.co.jp

株式会社パデコ
Japan

CERTIFICATES AND APPROVALS

APPROVAL FOR PRESTRESSING ANCHORAGES FOR NHAI PROJECT

LEA Associates South Asia Pvt. Ltd.
C-3/59A, Mangoldeep, Yamuna Vihar
New Delhi-110053
Email: lasakshardham@lcaindia.com, www.lea.ca
Corporate Identification Number: U74899DL1993PTC055750

LASA/Akshardham/73800/Pkg-II/AE/EPC/2023/ 2093 Dated: 13.07.2023

The Project Manager,
M/s Gayatri Projects Ltd,
A-1/01, Awash Vikash,
Sapna Enclave,
Mandola Vihar Ghaziabad,
Uttar Pradesh

Subject:Development of Six- lane of access controlled in UP portion of Delhi- Saharanpur Highway from Delhi / UP Border to EPE junction (Ch. 14.750 to Ch. 31.600) in the state Uttar Pradesh on EPC mode under Economic Corridor in Phase-1 of Bharatmala Pariyojana. Reg. **Submission of joint factory visit report of Prestressing material from M/s Scon Infrastructure Pvt. Ltd.**

Reference:
1. LASA/Akshardham/73800/Pkg-II/AE/EPC/2022/621 dated 20.06.2022
2. GPL:DO:NHAI:Delhi-Saharanpur:2023:1318 dated 02.03.2023
3. LASA/Akshardham/73800/Pkg-II/AE/EPC/2023/1536 dated 03.03.2023
4. GPL:DO:NHAI:Delhi-Saharanpur:2023:1372 dated 24.03.2023
5. LASA/Akshardham/73800/Pkg-II/AE/EPC/2023/1631 dated 27.03.2023
6. GPL:DO:NHAI:Delhi-Saharanpur:2023:1508 dated 11.05.2023
7. LASA/Akshardham/73800/Pkg-II/AE/EPC/2023/1820 dated 12.05.2023
8. GPL:DO:NHAI:Delhi-Saharanpur:2023:1547 dated 25.05.2023
9. GPL:DO:NHAI:Delhi-Saharanpur:2023:1605 dated 09.06.2023

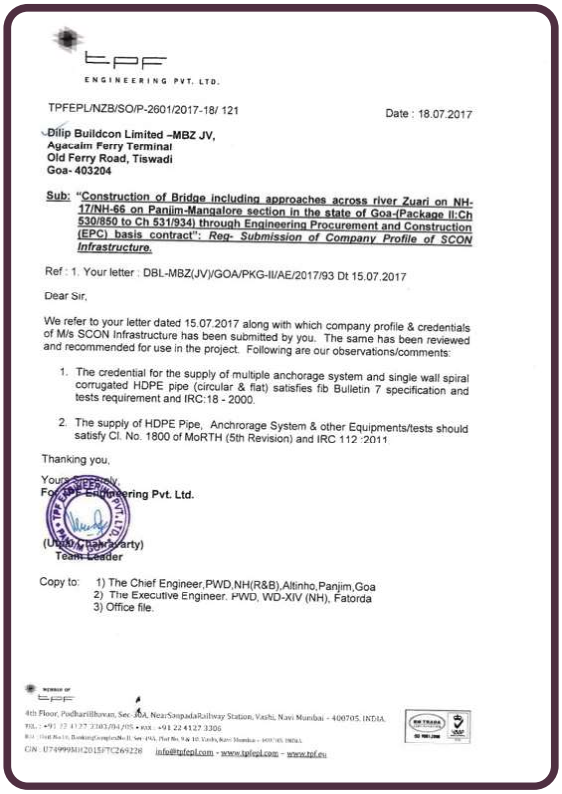
Dear Sir,

We refer your letter cited 2nd vide which you have submitted company profile/credential of M/s Scon Infrastructure Pvt. Ltd. as a source of prestressing material. Your submission is reviewed/scrutinized in this office and observed that the company has approval for prestressing material for various projects of SH and NHAI.

In this regard, please refer to our letter cited 3rd vide which we commented on your submission and informed that Agency named Dynamic Pre-stress (I) Pvt. Ltd. is already approved for pre-stressing Duct/Material/Agency for this Project vide our letter cited 1st.

CANADA | INDIA | ASIA | AFRICA | MIDDLE EAST

APPROVAL FOR PRESTRESSING ANCHORAGES FOR MoRTH PROJECT



ENGINEERING PVT. LTD.

TPFEPL/NZB/SO/P-2601/2017-18/ 121 Date : 18.07.2017

Dilip Buildcon Limited –MBZ JV,
Agacaim Ferry Terminal
Old Ferry Road, Tiswadi
Goa- 403204

Sub: "Construction of Bridge including approaches across river Zuari on NH-17/NH-66 on Panjim-Mangalore section in the state of Goa-(Package II:Ch 530/850 to Ch 531/934) through Engineering Procurement and Construction (EPC) basis contract": *Reg- Submission of Company Profile of SCON Infrastructure.*

Ref : 1. Your letter : DBL-MBZ(JV)/GOA/PKG-II/AE/2017/93 Dt 15.07.2017

Dear Sir,

We refer to your letter dated 15.07.2017 along with which company profile & credentials of M/s SCON Infrastructure has been submitted by you. The same has been reviewed and recommended for use in the project. Following are our observations/comments:

1. The credential for the supply of multiple anchorage system and single wall spiral corrugated HDPE pipe (circular & flat) satisfies fib Bulletin 7 specification and tests requirement and IRC:18 - 2000.
2. The supply of HDPE Pipe, Anchrorage System & other Equipments/tests should satisfy Cl. No. 1800 of MoRTH (5th Revision) and IRC 112 :2011

Thanking you,

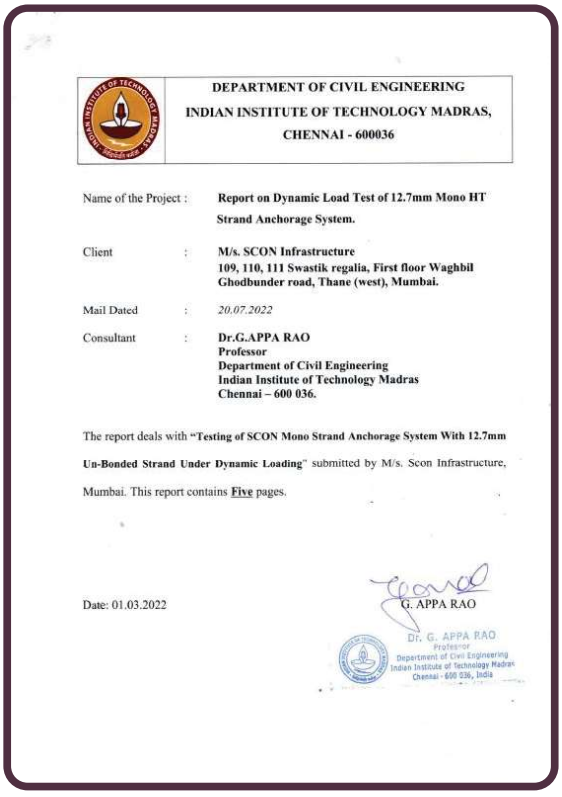
Yours sincerely,
For TPF Engineering Pvt. Ltd.

(Utpal Chakraborty)
Team Leader

Copy to: 1) The Chief Engineer,PWD,NH(R&B),Altinho,Panjim,Goa
2) The Executive Engineer. PWD, WD-XIV (NH), Fatorda
3) Office file.

4th Floor, Podhariilbhuvan, Sec-30A, Near Sanpada Railway Station, Vashi, Navi Mumbai - 400705. INDIA.
CIN : U74999MH2015PTC269228 info@tpfepl.com - www.tpfepl.com - www.tpf.eu

IIT CHENNAI CERTIFICATE FOR ANCHORAGE SYSTEM APPROVAL



DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY MADRAS,
CHENNAI - 600036

Name of the Project : **Report on Dynamic Load Test of 12.7mm Mono HT Strand Anchorage System.**

Client : **M/s. SCON Infrastructure**
109, 110, 111 Swastik regalia, First floor Waghbil Ghodbunder road, Thane (west), Mumbai.

Mail Dated : *20.07.2022*

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

The report deals with "**Testing of SCON Mono Strand Anchorage System With 12.7mm Un-Bonded Strand Under Dynamic Loading**" submitted by M/s. Scon Infrastructure, Mumbai. This report contains **Five** pages.

Date: 01.03.2022

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

FATIGUE TEST CERTIFICATE FOR CABLE STAY ANCHORAGE CHICAGO, U.S.A.

CTLGROUP

April 14, 2018

Email: xiedianfengovm@163.com
Mr. Dianfeng Xie
Liuzhou OVM Machinery Co., Ltd.
No.1, Yanghui Road
Yanghe New Industrial Area
Liuzhou, Guangxi 545006
P.R. China

Re: Final Report for OVM 250-61 Cable Acceptance Test – Zuari Cable Stay Bridge, India

CTLGroup Project #: 251709B

Dear Mr. Xie:

This final report contains the cable acceptance test results for an OVM 250-61 parallel strand stay cable specimen for Zuari Cable Stay Bridge in India.

Please contact me with any questions you may have regarding these test results.

Thank you for the opportunity to serve OVM.

Sincerely,

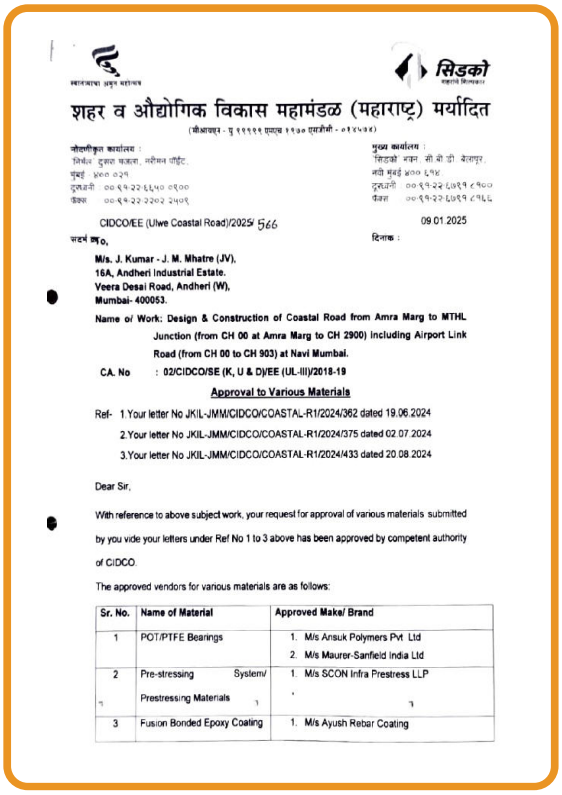
Gary (Quan) Gan, Ph.D.
Principal Engineer
Structural and Transportation Laboratory

QGan@CTLGroup.com
Phone: (847) 972-3332

Austin, TX • Bradenton, FL • Chicago, IL • Horsham, PA • Naperville, IL • Washington, DC • Doha, Qatar
Corporate Office: 5400 Old Orchard Road, Skokie, IL 60077-1030 P: 847.965.7500 F: 847.965.6541 www.CTLGroup.com
CTLGroup is a registered d/b/a of Construction Technology Laboratories, Inc.

CERTIFICATES AND APPROVALS

APPROVAL FOR PRESTRESSING ANCHORAGES CIDCO



शहर व औद्योगिक विकास महामंडळ (महाराष्ट्र) मर्यादित

CIDCO/EE (Ulwe Coastal Road)/2025/ 566 — 09.01.2025

To,
M/s. J. Kumar - J. M. Mhatre (JV),
16A, Andheri Industrial Estate,
Veera Desai Road, Andheri (W),
Mumbai- 400053.

Name of Work: Design & Construction of Coastal Road from Amra Marg to MTHL Junction (from CH 00 at Amra Marg to CH 2900) including Airport Link Road (from CH 00 to CH 903) at Navi Mumbai.

CA. No : 02/CIDCO/SE (K, U & D)/EE (UL-III)/2018-19

Approval to Various Materials

Ref- 1.Your letter No JKIL-JMM/CIDCO/COASTAL-R1/2024/362 dated 19.06.2024
2.Your letter No JKIL-JMM/CIDCO/COASTAL-R1/2024/375 dated 02.07.2024
3.Your letter No JKIL-JMM/CIDCO/COASTAL-R1/2024/433 dated 20.08.2024

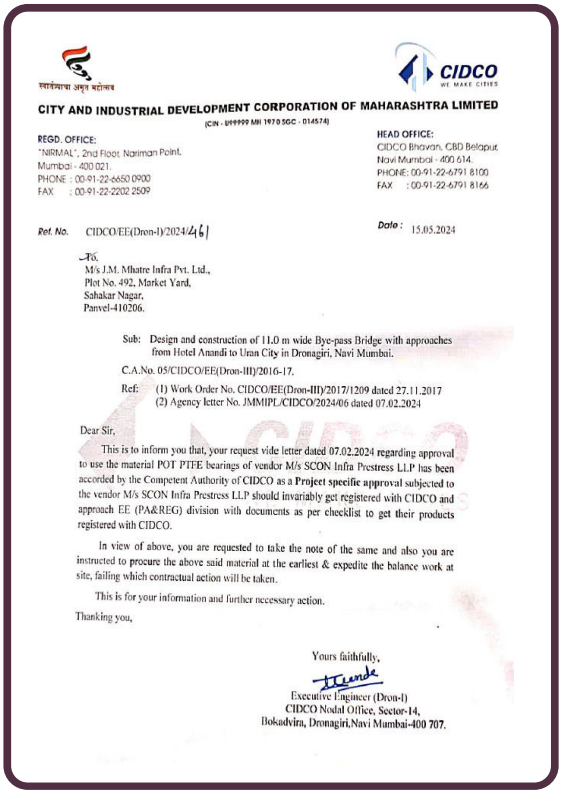
Dear Sir,

With reference to above subject work, your request for approval of various materials submitted by you vide your letters under Ref No 1 to 3 above has been approved by competent authority of CIDCO.

The approved vendors for various materials are as follows:

Sr. No.	Name of Material	Approved Make/ Brand
1	POT/PTFE Bearings	1. M/s Ansuk Polymers Pvt Ltd 2. M/s Maurer-Sanfield India Ltd
2	Pre-stressing System/ Prestressing Materials	1. M/s SCON Infra Prestress LLP
3	Fusion Bonded Epoxy Coating	1. M/s Ayush Rebar Coating

APPROVAL FOR POT BEARING CIDCO



CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED

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

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

Ref. No. CIDCO/EE(Dron-I)/2024/461 — Date : 15.05.2024

To,
M/s J.M. Mhatre Infra Pvt. Ltd.,
Plot No. 492, Market Yard,
Sahakar Nagar,
Panvel-410206.

Sub: Design and construction of 11.0 m wide Bye-pass Bridge with approaches from Hotel Anandi to Uran City in Dronagiri, Navi Mumbai.
C.A.No. 05/CIDCO/EE(Dron-III)/2016-17.
Ref: (1) Work Order No. CIDCO/EE(Dron-III)/2017/1209 dated 27.11.2017
(2) Agency letter No. JMMIPL/CIDCO/2024/06 dated 07.02.2024

Dear Sir,

This is to inform you that, your request vide letter dated 07.02.2024 regarding approval to use the material POT PTFE bearings of vendor M/s SCON Infra Prestress LLP has been accorded by the Competent Authority of CIDCO as a **Project specific** approval subjected to the vendor M/s SCON Infra Prestress LLP should invariably get registered with CIDCO and approach EE (PA&REG) division with documents as per checklist to get their products registered with CIDCO.

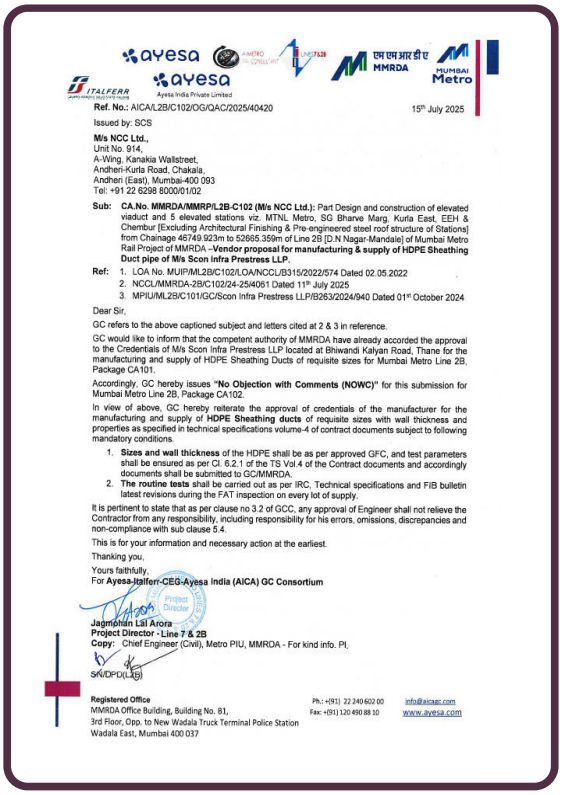
In view of above, you are requested to take the note of the same and also you are instructed to procure the above said material at the earliest & expedite the balance work at site, failing which contractual action will be taken.

This is for your information and further necessary action.

Thanking you,

Yours faithfully,
Executive Engineer (Dron-I)
CIDCO Nodal Office, Sector-14,
Bokadvira, Dronagiri,Navi Mumbai-400 707.

MMRDA APPROVAL FOR PRESTRESSING



Ref. No.: AICA/L2B/C102/OG/QAC/2025/40420 — 15th July 2025

Issued by: SCS

M/s NCC Ltd.,
Unit No. 914,
A-Wing, Kanakia Wallstreet,
Andheri-Kurla Road, Chakala,
Andheri (East), Mumbai-400 093
Tel: +91 22 6298 8000/01/02

Sub: **CA.No. MMRDA/MMRP/L2B-C102 (M/s NCC Ltd.):** Part Design and construction of elevated viaduct and 5 elevated stations viz. MTNL Metro, SG Bharve Marg, Kurla East, EEH & Chembur [Excluding Architectural Finishing & Pre-engineered steel roof structure of Stations] from Chainage 46749.923m to 52665.359m of Line 2B [D.N Nagar-Mandale] of Mumbai Metro Rail Project of MMRDA –**Vendor proposal for manufacturing & supply of HDPE Sheathing Duct pipe of M/s Scon Infra Prestress LLP.**

Ref: 1. LOA No. MUIP/ML2B/C102/LOA/NCCL/B315/2022/574 Dated 02.05.2022
2. NCCL/MMRDA-2B/C102/24-25/4061 Dated 11th July 2025
3. MPIU/ML2B/C101/GC/Scon Infra Prestress LLP/B263/2024/940 Dated 01st October 2024

Dear Sir,

GC refers to the above captioned subject and letters cited at 2 & 3 in reference.

GC would like to inform that the competent authority of MMRDA have already accorded the approval to the Credentials of M/s Scon Infra Prestress LLP located at Bhiwandi Kalyan Road, Thane for the manufacturing and supply of HDPE Sheathing Ducts of requisite sizes for Mumbai Metro Line 2B, Package CA101.

Accordingly, GC hereby issues **"No Objection with Comments (NOWC)"** for this submission for Mumbai Metro Line 2B, Package CA102.

In view of above, GC hereby reiterate the approval of credentials of the manufacturer for the manufacturing and supply of **HDPE Sheathing ducts** of requisite sizes with wall thickness and properties as specified in technical specifications volume-4 of contract documents subject to following mandatory conditions.

1. **Sizes and wall thickness** of the HDPE shall be as per approved GFC, and test parameters shall be ensured as per Cl. 6.2.1 of the TS Vol.4 of the Contract documents and accordingly documents shall be submitted to GC/MMRDA.
2. **The routine tests** shall be carried out as per IRC, Technical specifications and FIB bulletin latest revisions during the FAT inspection on every lot of supply.

It is pertinent to state that as per clause no 3.2 of GCC, any approval of Engineer shall not relieve the Contractor from any responsibility, including responsibility for his errors, omissions, discrepancies and non-compliance with sub clause 5.4.

This is for your information and necessary action at the earliest.

Thanking you,

Yours faithfully,
For **Ayesa-Italferr-CEG-Ayesa India (AICA) GC Consortium**

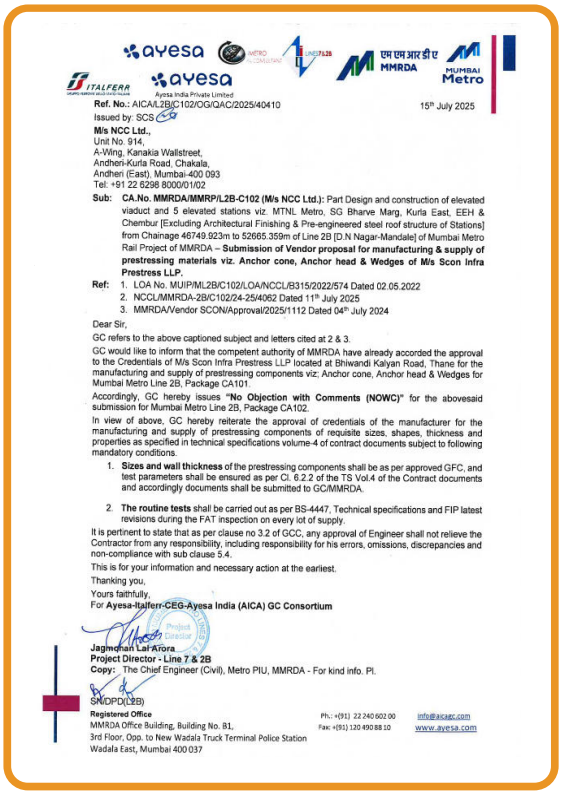
Jagmohan Lal Arora
Project Director - Line 7 & 2B
Copy: Chief Engineer (Civil), Metro PIU, MMRDA - For kind info. PI.

SM/DPD(L2B)

Registered Office
MMRDA Office Building, Building No. B1,
3rd Floor, Opp. to New Wadala Truck Terminal Police Station
Wadala East, Mumbai 400 037

Ph.: +(91) 22 240 602 00 Fax: +(91) 120 490 88 10
info@aicagc.com www.ayesa.com

MMRDA APPROVAL FOR PRESTRESSING ANCHORAGE SYSTEM



Ref. No.: AICA/L2B/C102/OG/QAC/2025/40410 — 15th July 2025

Issued by: SCS

M/s NCC Ltd.,
Unit No. 914,
A-Wing, Kanakia Wallstreet,
Andheri-Kurla Road, Chakala,
Andheri (East), Mumbai-400 093
Tel: +91 22 6298 8000/01/02

Sub: **CA.No. MMRDA/MMRP/L2B-C102 (M/s NCC Ltd.):** Part Design and construction of elevated viaduct and 5 elevated stations viz. MTNL Metro, SG Bharve Marg, Kurla East, EEH & Chembur [Excluding Architectural Finishing & Pre-engineered steel roof structure of Stations] from Chainage 46749.923m to 52665.359m of Line 2B [D.N Nagar-Mandale] of Mumbai Metro Rail Project of MMRDA – **Submission of Vendor proposal for manufacturing & supply of prestressing materials viz. Anchor cone, Anchor head & Wedges of M/s Scon Infra Prestress LLP.**

Ref: 1. LOA No. MUIP/ML2B/C102/LOA/NCCL/B315/2022/574 Dated 02.05.2022
2. NCCL/MMRDA-2B/C102/24-25/4062 Dated 11th July 2025
3. MMRDA/Vendor SCON/Approval/2025/1112 Dated 04th July 2024

Dear Sir,

GC refers to the above captioned subject and letters cited at 2 & 3.

GC would like to inform that the competent authority of MMRDA have already accorded the approval to the Credentials of M/s Scon Infra Prestress LLP located at Bhiwandi Kalyan Road, Thane for the manufacturing and supply of prestressing components viz; Anchor cone, Anchor head & Wedges for Mumbai Metro Line 2B, Package CA101.

Accordingly, GC hereby issues **"No Objection with Comments (NOWC)"** for the abovesaid submission for Mumbai Metro Line 2B, Package CA102.

In view of above, GC hereby reiterate the approval of credentials of the manufacturer for the manufacturing and supply of prestressing components of requisite sizes, shapes, thickness and properties as specified in technical specifications volume-4 of contract documents subject to following mandatory conditions.

1. **Sizes and wall thickness** of the prestressing components shall be as per approved GFC, and test parameters shall be ensured as per Cl. 6.2.2 of the TS Vol.4 of the Contract documents and accordingly documents shall be submitted to GC/MMRDA.
2. **The routine tests** shall be carried out as per BS-4447, Technical specifications and FIP latest revisions during the FAT inspection on every lot of supply.

It is pertinent to state that as per clause no 3.2 of GCC, any approval of Engineer shall not relieve the Contractor from any responsibility, including responsibility for his errors, omissions, discrepancies and non-compliance with sub clause 5.4.

This is for your information and necessary action at the earliest.

Thanking you,

Yours faithfully,
For **Ayesa-Italferr-CEG-Ayesa India (AICA) GC Consortium**

Jagmohan Lal Arora
Project Director - Line 7 & 2B
Copy: The Chief Engineer (Civil), Metro PIU, MMRDA - For kind info. PI.

SM/DPD(L2B)

Registered Office
MMRDA Office Building, Building No. B1,
3rd Floor, Opp. to New Wadala Truck Terminal Police Station
Wadala East, Mumbai 400 037

Ph.: +(91) 22 240 602 00 Fax: +(91) 120 490 88 10
info@aicagc.com www.ayesa.com

CERTIFICATES AND APPROVALS

MRIDC 2174 - VENDOR CREDENTIAL APPROVAL OF SCON INFRASTRUCTURE

महाराष्ट्र रेल इन्फ्रास्ट्रक्चर डेव्हलपमेंट कॉर्पोरेशन लि.
महाराष्ट्र शासन आणि रेल्वे मंत्रालय यांचा संयुक्त उपक्रम, २ रा मजला, हेक्स्ट हाऊस, नरीमन पॉईंट, मुंबई ४०००२१.
MAHARASHTRA RAIL INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
A Joint Venture of Govt. of Maharashtra and Ministry of Railways
2nd Floor, Hoechst House, Nariman Point, Mumbai 400 021
Tel: +91 22 67477510 | Fax: +91 22 67477511 | Rly: 090 23700 | Email: info@maharail.com | Website: www.maharail.com
CIN: U74999MH2017SGC298367

No. MRIDC/PROJ/FO/GPT/2022-23/2174 — Date: 3rd February 2023

To,
M/s GPT Infraprojects Limited
"GPT Center', JC-25, Sector - III
Salt Lake, Kolkata - 700106,
West Bengal, India.

Kind Attn: Mr. Amarjit Singh Arora (Contractor's Representative)

Project : Construction of Cable Stayed Road Over Bridge (ROB) Near Byculla Railway Station at Railway Km 3/16-18 between Sandhurst Road-Byculla stations on CSTM – Dadar Section in Mumbai Division of Central Railway – Byculla.

Subject : Reply: Submission of Vendor Credential for Post-tensioning work

Reference : 1. GIL/MRIDCL/BYCULLA - ROB/2022/98, dated 30.11.2022.

Dear Sir,

Concerning the above subject and reference letter cited above, the credential of M/s SCON Infrastructure was submitted for approval towards prestressing work of portal/piercap.
For Post-tensioning work, we have 'No objection with comments' for Credentials for approval of the vendor M/s SCON Infrastructure but subject to the satisfactory quality of post tensioning materials and process of Post-tensioning confirming to IS 1343 - 1980 with latest amendments and to the contract technical specification.

The all above No objections has been accorded on the condition of maintaining proper quality & process intact. In case of any deterioration in quality or process, these no objections will be cancelled. Also subject to fulfillment of following Term and conditions-:

1. This approval is valid only for the above-mentioned contract/work.

2. This approval is valid only for supply, Installation & execution of Post-tensioning works as per Contract Terms & Conditions and conforming to applicable relevant codes & Specifications with latest amendments.

3. Post-Tensioning Materials supplied to this project shall be accompanied with all essential Material test certificates, Delivery Challan and sales invoice etc.

4. Quality Assurance Plan(QAP), Inspection Test Plan, safety Manual with HIRAC documents shall be submitted for review & approval in advance.

5. The essential Tests on post-tensioning materials shall be done as per Submitted ITP based on Standard procedure of post-tensioning works & to the satisfaction of MRIDC Quality Team. Materials shall be permitted to use only after conforming the necessary Physical, Mechanical & chemical test as per applicable relevant codes & Specifications with latest amendments and shall comply with the said tests requirements as per the quality control plan approved by MRIDC

Page | 1

MMRDA APPROVAL FOR EXPANSION JOINTS

एमएमआरडीए
MMRDA

MMRDA/MPIU/Vendor Approval/2024/1130 — Date: 31.08.2024

To
M/s. Scon Infra Prestress LLP,
17, Matru Ashish CHS Ltd.,
Opp. Azara bank, Gorai-II,
Plot no. SC - 5, Rsc – 52,
Borivali (W) - 400092
info@scoinfra.com

Sub: Regarding Vendor approval to **M/s. Scon Infra Prestress LLP.**

Ref: Hon. MC order No. MMRDA/Material/Approval/Committee/Rev/128 dtd. 05/09/2023 & Revised order dtd. 08/11/2023

Dear Sir,

Your firm Scon Infra Prestress LLP has submitted the letter in MMRDA on date 06/06/2024 for your product Bridge Expansion joints (single Stripseal, Modular Expansion Joint), Architectural Expansion joints in Buildings.

Your product Bridge Expansion joints (single Stripseal, Modular Expansion Joint), Architectural Expansion joints in Buildings are in principle approved for One year with following terms & conditions;

1) The product should be proposed by the Concern Head of Department. The product should be proposed only if it is better than existing prevailing used product.
2) The product shall be finally approved from respective site consultant in conformity with requirements of specifications of Bureau of Indian Standards, applicable code provisions, etc.
3) The In principal approval has been granted on the basis of documents/information furnished by you. The approval would be cancelled if any details are found in variance to the details already furnished during the inspection of manufacturing unit.
MMRDA reserves the right to visit the manufacturing unit at any time.
4) MMRDA is not bound to give you any priority or preference in the issue of enquiry and placement of purchase order and does not guarantee all or any of the enquiries for the above items would necessarily be sent to you.

मुंबई महानगर प्रदेश विकास प्राधिकरण
वांद्रे-कुर्ला संकुल, वांद्रे (पूर्व), मुंबई ४०००५१.
दू +९१ २२ २६५९ १२३४ ईपीएबीएक्स +९१ २२ २६५९ ०००१ / ४००० फॅ +९१ २२ २६५९ ११९२ / १२६४
https://mmrda.maharashtra.gov.in

RDSO APPROVAL FOR POT BEARING

भारत सरकार GOVERNMENT OF INDIA	सत्यमेव जयते	रेल मंत्रालय MINISTRY OF RAILWAYS

Signature valid
Digitally signed by SUBHASH CHANDRA
Date: 2024.07.02 17:33:43 IST
Reason: Sign Final Approval
Location:

RDSO
(B&S, Engineering)
Final Decision Letter

Letter No - **RDSO/108/1901/00046337** — Dated **02/07/2024**

To
M /s SCON INFRA PRESTRESS LLP-THANE
C-24/CD-116, IIND FLOOR, SHREERANG SOCIETY, THANE WEST THANE,Maharashtra - 400601, India

Sub: Decision of Fresh Registration Request
Ref: Your registration request ID **23281** Dated **25/04/2024**

Your application under reference has been processed.

After detailed processing, competent authority has decided the inclusion of your name in the Vendor directory as per the following details: -

Name of the firm	M /s SCON INFRA PRESTRESS LLP-THANE
Registered Address of the Firm	C-24/CD-116, IIND FLOOR, SHREERANG SOCIETY, THANE WEST THANE,Maharashtra - 400601, India
Mfg. Unit Details	PLOT NO-76, BABOSA INDUSTRIAL PARK, SARAVALI VILLAGE TALUKA BHIWANDI THANE (W),Maharashtra - 421302, India

Items for which request is approved

Item ID: 3100405, POT PTFE BEARING			
#	Sub Item	Category	Capacity(Per Annum)
1	ID: 3100405001, POT PTFE BEARING	Approved	50

Date of Decision	02/07/2024
Next Quality Audit Due on	01/07/2029

Additional Remarks

#	Details
1	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 per RDSO ISO Apex Documents which are available on RDSO website www.rdso.indianrailways.gov.in.

CIDCO APPROVAL FOR EXPANSION JOINTS

CIDCO
WE MAKE CITIES

CITY AND INDUSTRIAL DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED
(CIN - U99999 MH 1970 SGC - 014574)

CIDCO/EE (UCR)/2025/ 912 — 23.06.2025

To,
M/s. J. Kumar - J. M. Mhatre (JV),
16A, Andheri Industrial Estate.
Veera Desai Road, Andheri (W),
Mumbai- 400053.

Name of Work: Design & Construction of Coastal Road from Amra Marg to MTHL Junction (from CH 00 at Amra Marg to CH 2900) including Airport Link Road (from CH 00 to CH 903) at Navi Mumbai.
CA. No : 02/CIDCO/SE (K, U & D)/EE (UL-III)/2018-19
Ref- 1. Your letter KJIL-JMM/CIDCO/COASTAL-R1/2025/934 dated 10.06.2025

Dear Sir,

With reference to above, you have requested for approval of vendor **M/s. SCON Infra Prestress LLP** for supply of Strip Seal Expansion Joint . The product has been approved for the work of Design and construction of 11.0m wide Bye-Pas Bridge with approaches from Hotel Anandi to Uran City in Dronagiri, Navi Mumbai as a **Project Specific Approval**.

Since the product is approved as Project Specific Approval . it is necessary to register the vendor in CIDCO Ltd .

You are therefore requested to intimate the vendor **M/s SCON Infra Prestress LLP** for necessary registration in CIDCO Ltd .

Thanking You.

Yours faithfully,
(M M Munde)
EE (Ulwe Coastal Road)
6th Floor, CIDCO Bhavan,
CBD-Belapur, Navi Mumbai.

Regd. Office: Nirmal, 2nd Floor, Nariman Point, Mumbai - 400 021 • Tel.: 022 6650 0900
Head Office: CIDCO Bhavan, CBD Belapur, Navi Mumbai - 400 614 • Tel.: 022 6791 8100
Website: www.cidco.maharashtra.gov.in

SCON INFRA PRESTRESS LLP, established in 2009, is dedicated to delivering top-tier services and leveraging extensive expertise in India's infrastructure sector.

Headquartered in Mumbai, with regional operations in Thane and a manufacturing f acility in Bhiwandi, the company is a key player in pre-stressing solutions.

The experienced SCON team, with 15 to 20 years in Pre-Stressing Technology, Specializes in Pre-Stressing Technology, Specializes in Anchorage Systems, Stay Cable Bridges, Post-Tension Slabs, Beams, Rehabilitation, Bridge Bearings, And Expansion Joints.

Boasting over 50 collective years, our executive team holds a prominent position in India's prestressing construction industry, backed by certifications from rigorous tests conducted by prestigious institutions like IIT Bombay, IIT Chennai, CTL USA, and EMPA Switzerland.

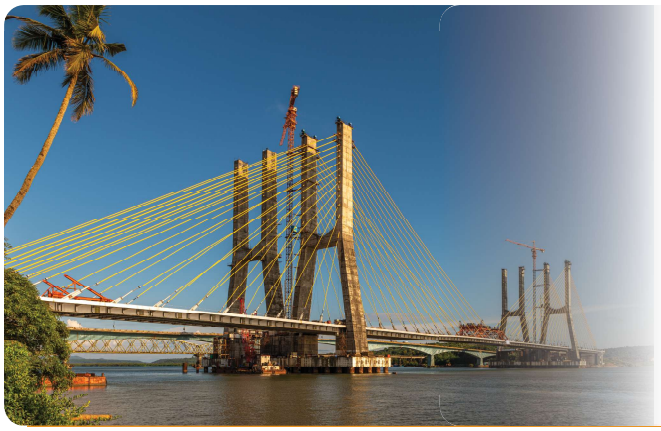
SCON has collaborated with government bodies such as Public Works Departments and the Ministry of Road Transport, along with major contractors like EWL, HCC, and L&T-ECC. Recognized by leading consultants such as Sritec and STERLING, SCON INFRA stands at the forefront of Prestressing

Innovation and Excellence in the Indian Construction Landscape.

BRIDGE DIVISIONS

(MANUFACTURING, SUPPLY OF MATERIAL AND INSTALLATION ON SITE)

- Prestressing Anchorage System
- Prestressing Equipment
- Bridge Bearing
- Bridge Expansion Joint



CABLE STAY DIVISIONS

(DESIGN, MANUFACTURING, SUPPLY & EXECUTION)

- CANTILEVER CABLE STAY BRIDGES
- EXTRA-DOSED CABLE STAY BRIDGES
- ARCH BRIDGES WITH TENSION MEMBERS
- BRIDGE HEALTH MONITORING SYSTEM

REPAIRS AND REHABILITATION

(DESIGN, MANUFACTURING of MATERIAL, SUPPLY & EXECUTION)

- Bridge External Prestressing
- Bridge Bearing Replacement
- Bridge Expansion Joint Replacement
- Lifting and Alignment of Bridge
- External Prestressing for Buildings
- Building Structure Strengthening (Column Jacketing, etc.)

BUILDING DIVISIONS

(DESIGN, MANUFACTURING, SUPPLY OF MATERIAL AND INSTALLATION ON SITE)

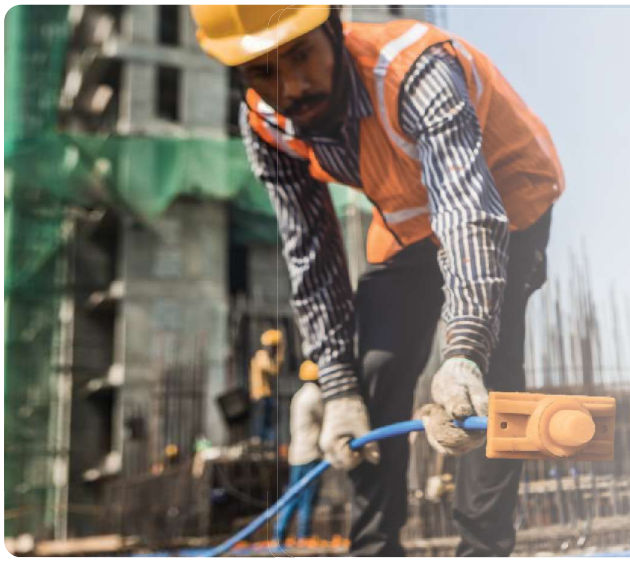
- Post Tensioning in Slabs and Beams
- Rock Anchoring
- Architectural Expansion Joint

ENGINEERING DESIGN TEAM

The SCON Design Team is a distinguished group comprising over 30 highly qualified graduate engineers. This team is led by seasoned leaders with extensive experience, each possessing more than 15 years of expertise in the specialized field of designing bridge bearings, expansion joints, and post-tension slabs, beams, and rafts. The team's proficiency extends to the utilization of foreign software, including ADAPT (American Software), RAM CONCEPT (Australian Software), and RAPT (Australian Software).

PRODUCTION DEPARTMENT:

Situated strategically in the heart of the city, SCON's Factory enhances accessibility for material transport, facilitating swift material delivery. The Factory is equipped with a qualified production team responsible for ensuring smooth and timely production processes. Additionally, a dedicated Quality Management Team of engineers oversees rigorous quality assurance and control measures, ensuring the production of high-quality products.



FIELD OPERATIONS TEAM

SCON's Execution Team is characterized by excellence, featuring highly qualified professionals engaged in on-site activities related to Prestressing Works, Rehabilitation, Bearing and Expansion Joint Installation, as well as Cable Stay Works. Complemented by a team of highly skilled technicians, SCON's personnel collectively boast over 40 years of execution experience. This extensive experience not only provides a distinct advantage in problem-solving but also ensures the timely completion of projects, reinforcing SCON's commitment to project efficiency and excellence in execution.

INTERNATIONAL EXPOSURE

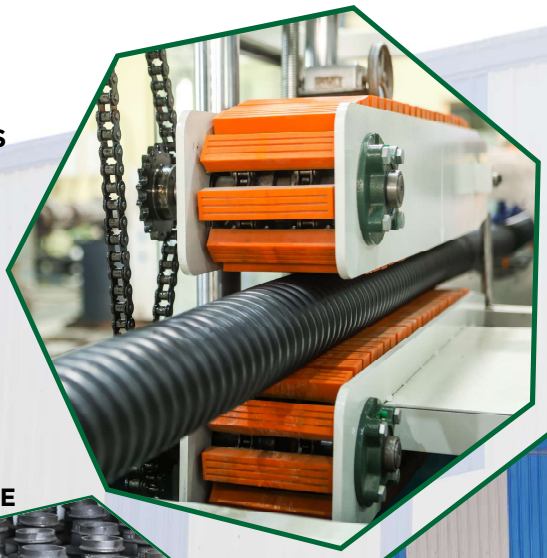
SR. NO.	COUNTRY	WORK DESCRIPTION
1.	AUSTRALIA	•DESIGN OF POST TENSION IN COMMERCIAL BUILDING USING INTERNATIONAL SOFTWARES AND AUSTRALIAN STANDARDS
2.	OMAN	•DESIGN OF POST TENSION SLAB & SUPPLY OF POST TENSIONING MATERIAL •DESIGN OF POST TENSIONING IN RAFT FOUNDATION •SUPPLY OF PRESTRESSING ANCHORAGE SYSTEM AND HDPE SHEATING FOR VARIOUS BRIDGE PROJECTS.
3.	BAHRAIN	•DESIGN OF POST TENSION SLAB FOR COMMERCIAL MALL AND SUPPLY OF MATERIAL •SUPPLY OF PRESTRESSING ANCHORAGE SYSTEM AND HDPE SHEATING FOR VARIOUS BRIDGE PROJECTS.
4.	MALAYSIA	•SUPPLY OF HDPE SHEATHING PIPES FOR MASS RAPIT TRANSIT SYSTEM (MRT) MALAYSIA
5.	NIGERIA	•DESIGN AND SUPPLY OF MODULAR STRIPSEAL EXPANSION JOINT (2 SEAL)
6.	SINGAPORE	•SUPPLY OF PRESTRESSING ANCHORAGE SYSTEM AND HDPE SHEATING FOR VARIOUS BRIDGE PROJECTS.
TESTING OF MATERIALS IN INTERNATIONAL LABS		
1.	CTRL Lab, CHICAGO, UNITED STATES OF AMERICA	•FATIGUE AND STATIC LOAD TEST ON STAY CABLE ANCHORAGE SYSTEMS.
2.	EMPA Lab, SWITZERLAND	
3.	CSSRC, WUXI, CHINA	

SCON MANUFACTURING UNIT

SCON's advanced manufacturing facility is strategically located for enhanced transportation accessibility across different regions of the state, facilitating timely material delivery.

Our in-house production capabilities not only guarantee the superior quality of materials but also ensure punctual production and delivery, eliminating dependence on third-party vendors.

The entire production process, from raw material procurement to dimension control, is meticulously managed in-house, mitigating the risks associated with inferior quality materials and delayed deliveries



HDPE PIPES

ANCHOR CONE

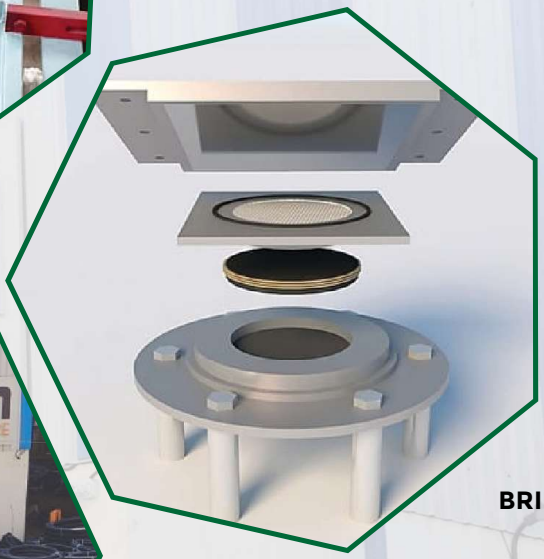
ANCHOR HEAD

UNBONDED ANCHORAGES SYSTEM

SCON INFRA PRESTRESS LLP manufactures:

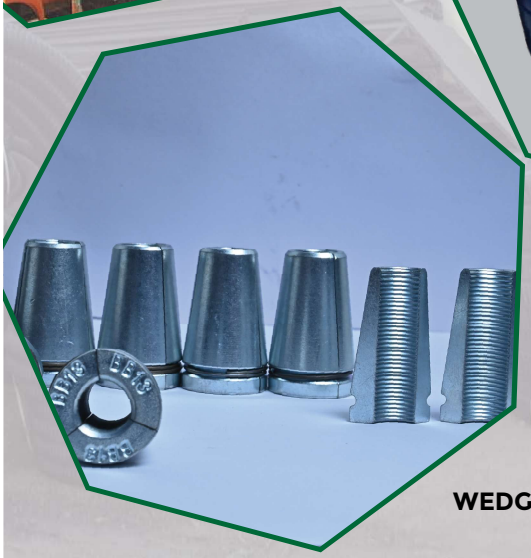
- HDPE PIPES
- ANCHOR CONE
- ANCHOR HEAD
- WEDGES
- PRETRESSING EQUIPMENTS AND JACKS
- BRIDGE BEARINGS
- BRIDGE EXPANSION JOINTS

BRIDGE EXPANSION JOINTS



BRIDGE BEARINGS

PRETRESSING EQUIPMENTS
AND JACKS

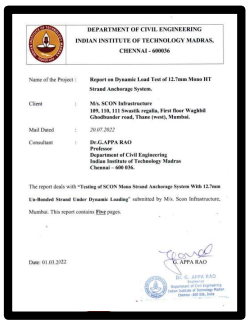


WEDGES

SCON UNBONDED SYSTEM

SCON Unbonded PT System consists of High Tensile Strand, 12.9 mm/15.2 mm diameter, grease filled, with PE coating, manufactured in-house, as per ACI 423.7-14

IIT CHENNAI CERTIFICATION FOR :
FATIGUE TEST ANCHORAGE EFFICIENCY TEST LOAD TRANSFER TEST



DEPARTMENT OF CIVIL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY MADRAS,
CHENNAI - 600036

Name of the Project : Report on Dynamic Load Test of 12.7mm Mono HT Strand Anchorage System.

Client : M/s. SCON Infrastructure
109, 110, 111 Swastik regalia, First floor Waghbil Ghodbunder road, Thane (west), Mumbai.

Mail Dated : 20.07.2022

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

The report deals with "Testing of SCON Mono Strand Anchorage System With 12.7mm Un-Bonded Strand Under Dynamic Loading" submitted by M/s. Scon Infrastructure, Mumbai. This report contains Five pages.

Date: 01.03.2022

Dr. G. APPA RAO

CARRIED OUT AS PER PTI :
ACCEPTANCE STANDARDS FOR POST TENSIONING SYSTEM

POST-TENSIONING INSTITUTE ®

WE SOURCE BASIC STRAND FROM OUR RENOWNED SUPPLIERS

TATA STEEL

JSW Steel

American Concrete Institute
Always advancing

ACI 423.7-14
ASTM A 416

SCON is the first company in India which manufactures wedges with cold forging method. Raw Material used 20 MnCr5

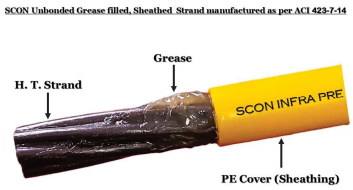
KEY BENEFITS OF UNBONDED SYSTEMS

- COST REDUCTION
- REDUCTION IN THICKNESS OF PT SLABS
- UNIFORM LOAD DISTRIBUTION
- ELIMINATION OF GROUTING ACTIVITY WHICH SAVES TIME AND REDUCES COST
- RESTRESSING IS POSSIBLE FOR UNBONDED STRANDS ANY TIME DURING THE LIFE SPAN OF THE STRUCTURE

WE ARE SPECIALIZED IN DESIGNING, MANUFACTURING AND INSTALLATION OF BONDED AND UNBONDED PT SLAB SYSTEM

H.T. STRAND

LOW RELAXATION 7 WIRED STRAND FOR PRESTRESSED CONCRETE, WHICH SATISFY REQUIREMENTS OF IS: 14268:2022



GREASE

2 NLGI CLASSIFICATION GREASE. IT ACTS AS A LUBRICANT AND MOISTURE BARRIER AND IS AUTOMATICALLY APPLIED IN PRECISE QUANTITIES ON STRAND SURFACE TO ENSURE OPTIMAL PERFORMANCE

PE SHEATH

POLYETHYLENE COATED SHEATHING IS APPLIED ON STRAND BY CONTINUOUS EXTRUSION PROCESS. SPECIFIC THICKNESS PROTECTIVE LAYER COVERS STRAND UNIFORMLY TO ENHANCE THE DURABILITY AND PROVIDED RESISTANCE TO CORROSION

ENCAPSULATED MONO BOND ANCHOR WITH COVER CAP,
AS PER ACI 318 OR ACI 350, WHICH PROTECT THE ANCHORAGE, WEDGES AND PRESTRESSING STEEL, AGAINST CORROSION

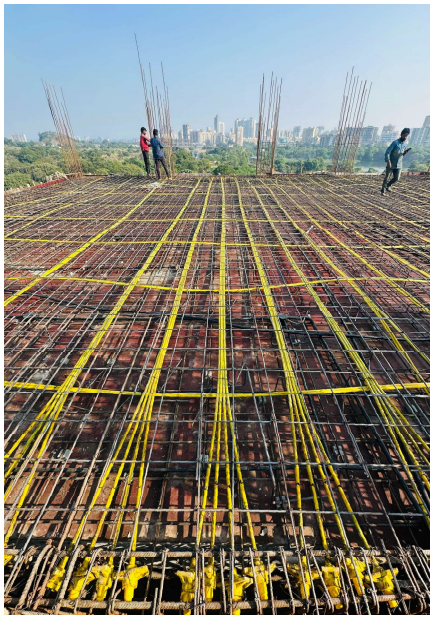
TWO PIECE WEDGE GIVING STRONG AND SECURED GRIP, IS PROVIDED WITH GALVANIZED COATING FOR DURABILITY

UNBONDED STRANDS PROVIDES EXCELLENT PROTECTION AGAINST HEAT AND MOISTURE

IT MINIMISES THE RISK OF CORROSION, ENSURING LONG TERM INTEGRITY AND DURABILITY

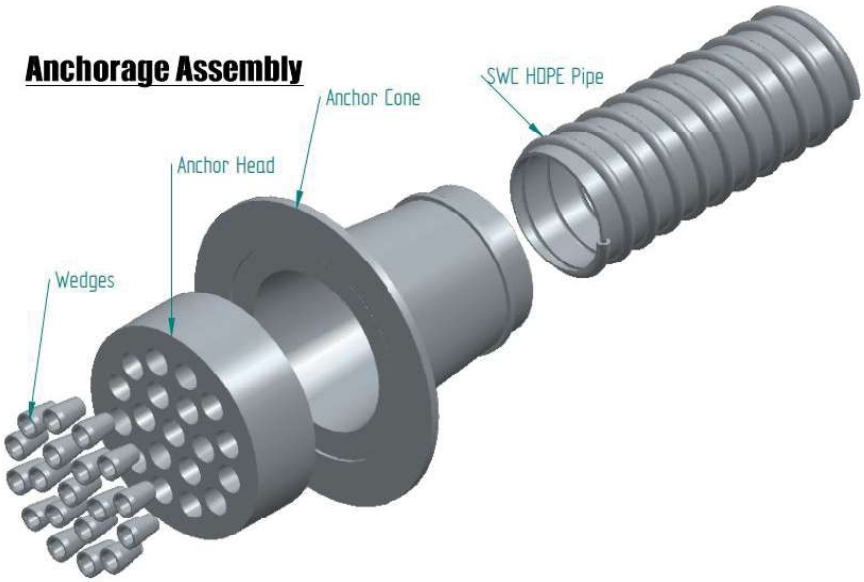
THESE STRANDS ARE PREFERRED IN:

- PT SLABS - RESIDENTIAL AND COMMERCIAL BUILDINGS
- METRO RAILWAY STATION BUILDINGS
- EXTERNAL PRESTRESSING
- ROCK ANCHORING
- RADIAL GATES, ATOMIC REACTORS, WIND MILLS



SCON PRESTRESSING ANCHORAGE SYSTEM - BONDED

Prestressing anchorage systems use high-strength steel tendons to apply pre-compressive force in concrete structures, enhancing strength and durability.



HDPE SHEATING PIPE

HDPE sheathing pipes are employed for the purpose of creating a void within concrete structures to facilitate the installation of strands, allowing them to remain free for stress application.
Our state-of-the-art production facility, equipped with three advanced HDPE pipe production machines, consistently produces high-quality pipes in various sizes as per specific requirements.

Advantages

- Corrosion Resistance
- Reduced Friction
- Flexibility
- Lightweight
- Cost-Effective
- Easy Installation
- Abrasion Resistance
- Environmentally Friendly

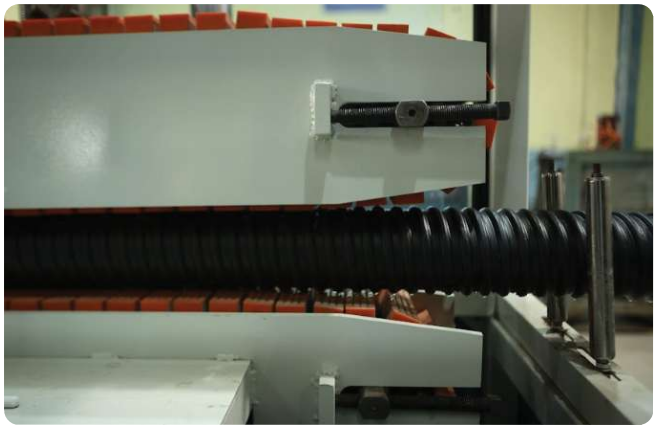
Applications

- Bridge Construction
- Highways/Tunnels
- Railway Tracks
- Nuclear Plants
- Silos
- Building Structures
- Underground Utilities

Technical Specification

Wobble Coefficient : 0.0020
Friction Coefficient : 0.17
Material Density : 0.94 - 0.96 gm/cm2 at 23oC
Grade of Material : P5200 Grade
Standard Code : IRC 112: 2020
Factory Output : < 1,50,000 rmt. per month

SIZE (O.D.) mm	THICKNESS (mm)	Duct Type
60 x 35	2	Flat Duct
65 x 35	2	Flat Duct
82 x 35	2	Flat Duct
85 x 35	2	Flat Duct
50 to 80mm	2	Round Ducts
85 to 100mm	2.5	Round Ducts
105 to 140mm	3	Round Ducts



ANCHOR CONE

Prestressing anchor cones are vital components in prestressed concrete systems, serving to anchor tendons or strands and transfer applied forces to the concrete. Proper installation and quality control are paramount to ensure the optimal performance and durability of prestressed concrete structures

- Grade of Material : FG 260 SG 500/7
- HARDNESS : 190-230 BHN
- Standard Code : IS 1343: 2012

TYPES

FOR 12.9 mm STRANDS	FOR 15.2/15.7 MM STRANDS	TYPE
2S13	2S15	FLAT
3S13	3S15	FLAT
4S13	4S15	FLAT
5S13	5S15	FLAT
7S13	7S15	ROUND
12S13	12S15	ROUND
19S13	19S15	ROUND
22S13	22S15	ROUND
27S13	27S15	ROUND

ANCHOR HEAD

MULTI STRANDS ANCHORS:

The specially forged bearing plates anchors the cable and transfers the prestressing force to the Anchor Cone.
Required no. of holes are accurately drilled the plate for anchoring individual strands
Anchor Heads are accurately drilled on VMC machines to achieve high accuracy and high quality.

- Grade of Material : EN 8
  EN 24
- Standard Code : IS 1343: 2012
- Factory Output :Approx. 2000 nos. per month

FOR 12.7/12.9 mm STRANDS	FOR 15.2/15.7 MM STRANDS	TYPE
2S13	2S15	SQUARE
3S13	3S15	SQUARE
4S13	4S15	SQUARE
5S13	5S15	SQUARE
7S13	7S15	ROUND
12S13	12S15	ROUND
19S13	19S15	ROUND
22S13	22S15	ROUND
27S13	27S15	ROUND

ENCAPSULATED MONO STRAND ANCHOR:

Mono anchor plates are integral to Unbonded Post Tensioning in flat slabs, facilitating the direct placement of Polyethylene-coated Unbonded HT Strand cables without HDPE sheathing ducts. Following strand stressing, the mono strand anchor is employed for precise locking and fixation of the Unbonded strand in the designated position within the slab.
Technical Specifications:
Material Grade : SG 500/7 Grade 1865
ASTM A 536 Grade 85-55-06
Hardness : 170-230 BHN

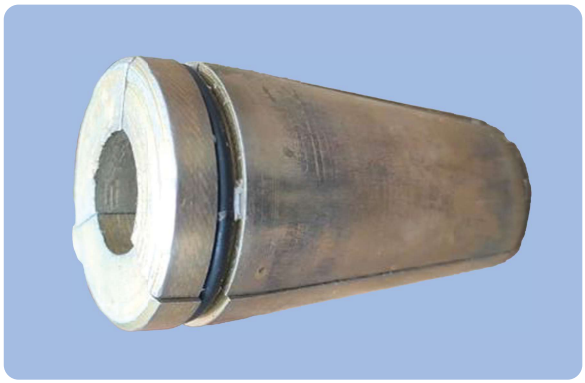
MONO STRAND BARREL:

MONO STRAND BARRELS, utilized for stress application on single cables, find extensive use in the precast industry. Equipped with precision machinery, Scon Infra Prestress LLP can manufacture custom sizes with competitive pricing and high-quality standards according to client specifications.

WEDGES

Individual strands are anchored by means of three segment conical grips.
These grips are made of case hardened and tempered carbon steel to ensure superior gripping.
Advanced CNC Machines are used for precise production of 2 Piece and 3 Piece wedges.
SCON INFRA PRESTRESS LLP is unique in utilizing raw materials produced through cold forging, preserving their original physical properties. This distinctive approach provides a significant advantage, enabling the reuse of materials multiple times, contributing to sustainability and cost-effectiveness.
Grade of Material : 20MnCr5
EN 343
Standard Code : IS 1343: 2012
Factory Output : Approx. 80,000 wedges per month

LIVE WEDGES



MASTER WEDGE

EQUIPMENTS

Specializing in the manufacturing of prestressing and rehabilitation equipment, our company is dedicated to providing high-quality, precision-engineered solutions that contribute to the advancement and longevity of concrete structures
Prestressing equipment includes hydraulic jacks and stressing beds, essential for applying controlled force to tension the tendons in prestressed concrete, ensuring optimal structural strength and load-bearing capacity. These specialized tools contribute to the efficient implementation of prestressing techniques in construction projects.

HYDRAULIC JACKS
MONO STRAND JACKS
MULTI STRAND JACKS
LIFTING JACKS
SPECIAL JACKS

PUMPS

Aggitator

Strand Dispensor

HYDRAULIC JACKS

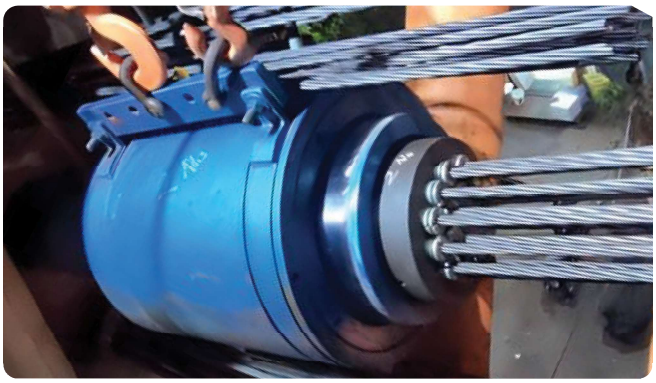
Hydraulic jacks, the cornerstone of controlled force application in construction, epitomize efficiency and precision, playing a pivotal role in lifting, positioning, and applying stress to structures with unparalleled reliability.
Scon Infra takes pride in the precision manufacturing of diverse jack types, offering customization to suit specific site conditions with utmost attention to detail.

TYPES

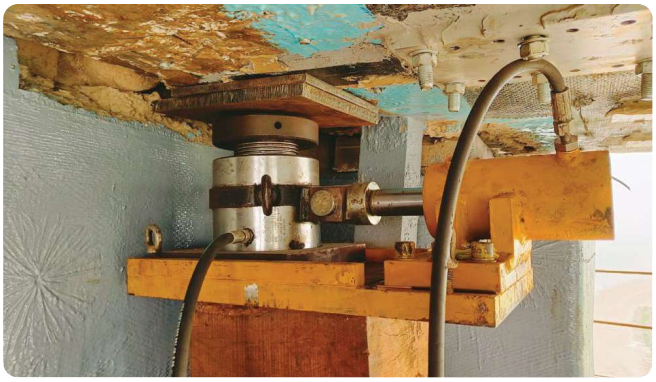
MULTI STRAND JACKS:
Multi-strand jacks, at the forefront of prestressing technology, exemplify advanced engineering, offering precise and simultaneous tensioning of multiple tendons to optimize structural strength in diverse construction applications.
SCON jacks are developed in-house to perfectly complement SCON anchorage systems.
Capacity : 100ton to 700 ton
Stroke : 200-250m

SPECIAL JACKS:
OMNI DIRECTIONAL JACKS/ CENTERAL HOLLOW JACKS AS PER SITE REQUIREMENT.

MONO STRAND JACKS:
Monostrand jacks, specialized in singular tendon tensioning, epitomize technical precision in prestressing applications for targeted and efficient force distribution in concrete structures
Capacity: 16T, 25T, 30T
STOKE: 150mm



LIFTING JACKS:
Lifting jacks are primarily employed for elevating girder segments in bearing replacement projects, facilitating controlled and efficient vertical displacement during the maintenance and refurbishment of infrastructure
Capacity : 50ton to 300 ton
Stroke : 50mm to 200m



PUMPS

Hydraulic pumps in prestressing applications serve as essential components, providing controlled fluid power to operate jacks and tensioning systems for precise force application in the prestressing of concrete structures

TYPES

ELECTRICALLY OPERATED HYDRAULIC PUMPS (EOHP)
-SINGLE ACTING EOHP
-DOUBLE ACTING EOHP

GROUT PUMP & AGGITATOR

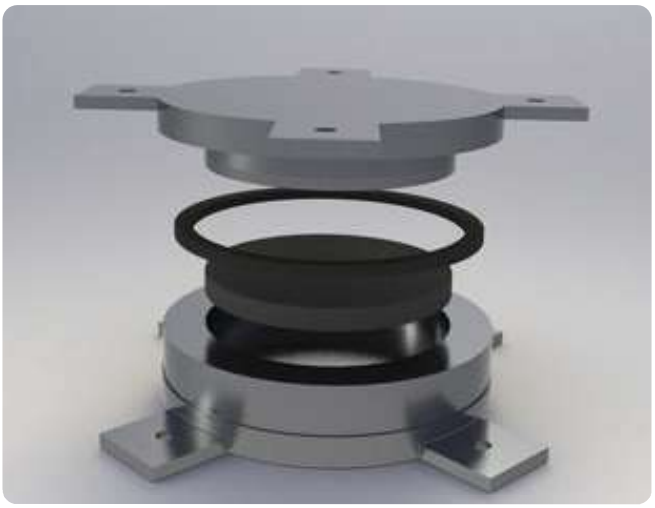
Agitators in cement grout mixing play a crucial role in ensuring homogeneity and consistency of the grout mixture. These mechanical devices are designed to stir and mix cementitious materials effectively, preventing sedimentation and ensuring uniform distribution of particles

STRAND DISPENSOR

A cable strand dispenser is a device designed for the controlled and systematic dispensing of cable strands, commonly used in construction and prestressing applications.

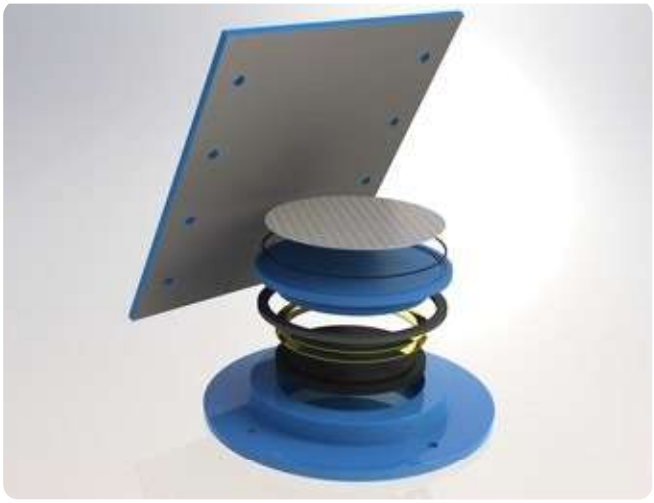
A completely encased natural rubber or elastomer or neoprene pad is positioned in a monolithic steel pot. Under high pressure the pad behaves like a liquid. The elasticity of the rubber allows tilting movement (rotation) of the piston in horizontal axis.

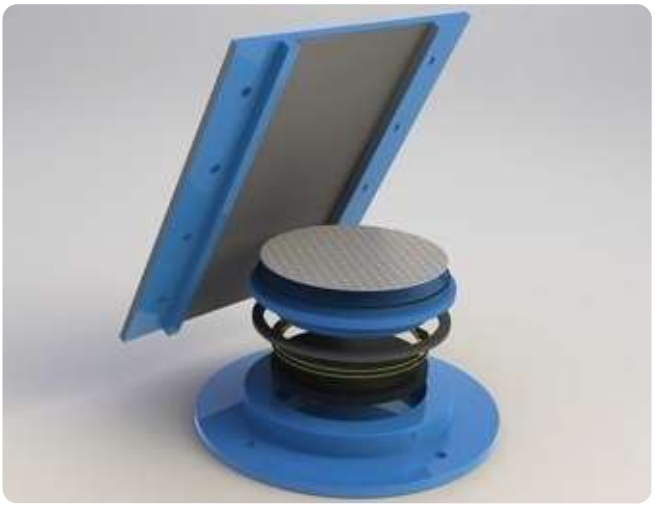
TYPES



Fixed Pot Bearing:
These bearings consist of a pot / piston assembly within which an elastomer disc is encapsulated and fitted with an anti-extrusion sealing ring. Under load, this encapsulated elastomer disc acts in a similar manner to an uncompressed confined fluid, enabling the pot and piston to rotate relative to each other.

Free Float Pot PTFE Bearing:
Identical to the above Fixed Pot Bearing, in addition a steel plate welded with authenticate Stainless Steel in contact with a virgin dimpled PTFE surrounded by a seal allows good friction and preventing dust enters into it, enables the movement in all directions.



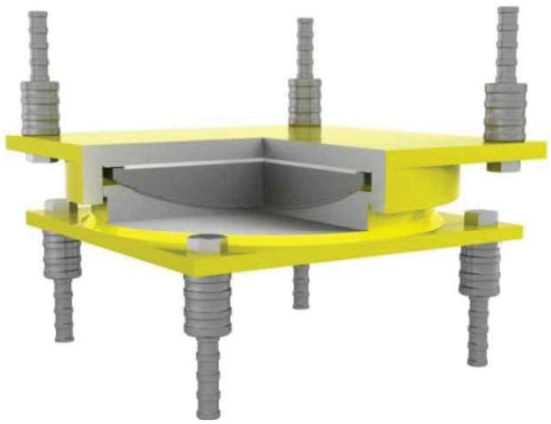


Guided Pot PTFE Bearing:
Identical to the above Free Float Pot PTFE Bearing, the steel plate is casting with a pair of Guide bars both the surfaces are welded with stainless steel with a virgin dimpled PTFE surrounded by a seal allows good friction and preventing dust enters into it to limit the movement in one direction perpendicular to the horizontal force acting on it.

SPHERICAL BEARING:

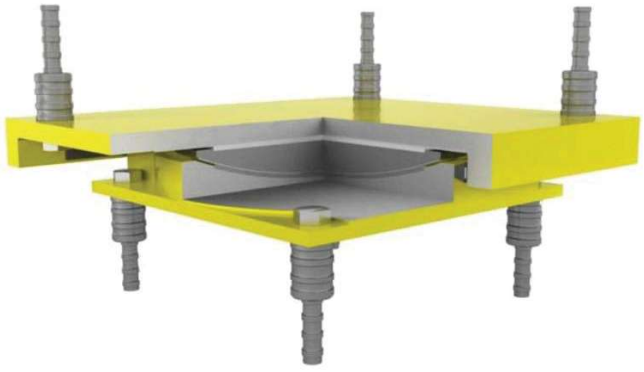
Spherical bearings are designed to transmit vertical forces while permitting large rotations by means of the spherical coupling of a convex and concave between the intermediate components coated with hard chrome or nickel. This interface is typically a mating of low coefficient of friction PTFE and stainless steel. Spherical bearing is suitable to be used when there is limitation for space due to support size restraint

TYPES



Fixed Spherical Bearing:
This Spherical bearing restricts movement in horizontal direction with restraining ring and also transmit the horizontal forces in all the direction to the substructure.

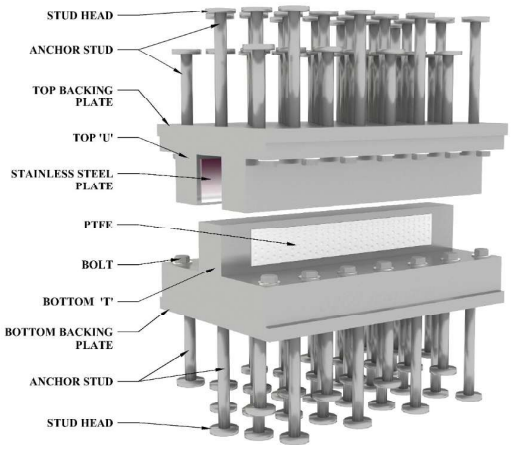
Free Sliding Spherical Bearing:
This spherical bearing comes with movable plate with sliding interface to the dimpled PTFE (with silicon grease) surrounded by the seal to prevent from debris and dust.



Guided Spherical Bearing :
This bearing will only allows the movement in one direction in longitudinal or transverse axis. Usually, the movement is restrained by guide bar(restrained steel component) to allow movement along the unrestrained axis.

METALLIC GUIDED BEARING

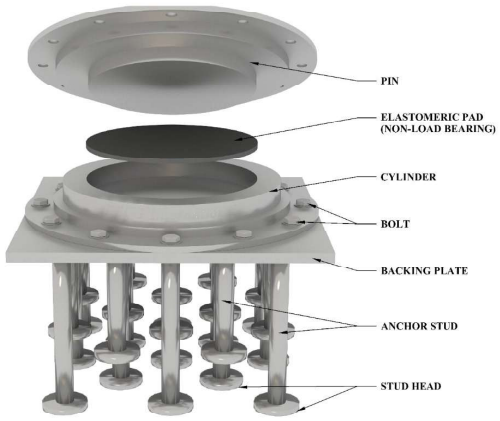
A bearing consisting of a sliding assembly with restraint along a desired direction(Longitudinal or Transverse) to bear and transmit horizontal force and capable of allowing movement in a direction perpendicular to the direction perpendicular to the direction of horizontal force. They are capable of allowing rotation only about an axis perpendicular to the plane of sliding but they cannot bear or transmit the vertical load. Studs will be provided for the bonding in the concrete for top and bottom surface.



METALLIC GUIDE BEARING

METALLIC PIN BEARING

A bearing consisting of a metal pin provided within a cylinder to bear and transmit horizontal force along any direction in the horizontal plane and accommodating rotational movement about any axis. They cannot transmit or bears the vertical load and the studs will be connected on the top and bottom surface and inserted in the concrete for bonding.

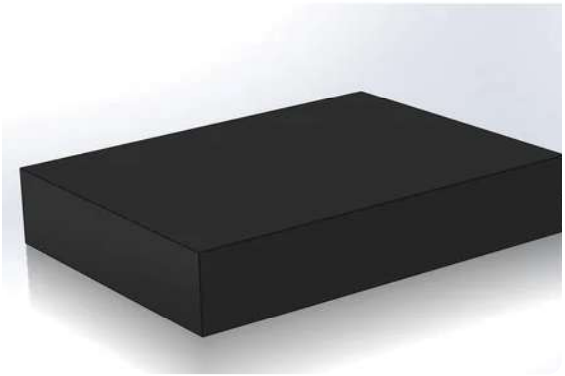


PIN BEARING

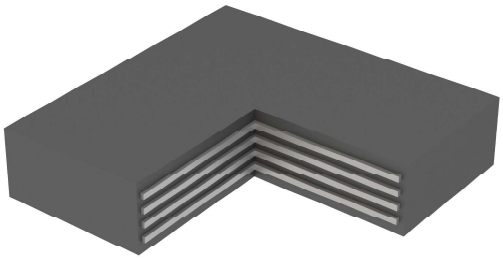
ELASTOMERIC BEARING

Elastomer is a macro-molecular material that regains its shape and initial dimensions approximately after being submitted to significant deformation under the influence of a low stress variation.

TYPES



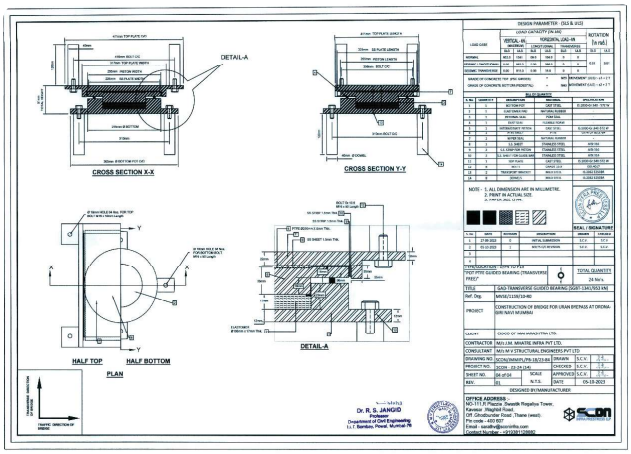
PLAIN ELASTOMERIC BEARING



LAMINATED ELASTOMERIC BEARING

DESIGN OF BEARINGS

SCON features a skilled and experienced team equipped with advanced software tools for the design of various types of bridge bearings.
All listed types of bridge bearings will be designed in accordance with the provisions outlined in the IRC codal book. Additionally, SCON specializes in the design of customized bearings tailored to the specific load conditions associated with various bridge projects.



MANUFACTURING PROCESS

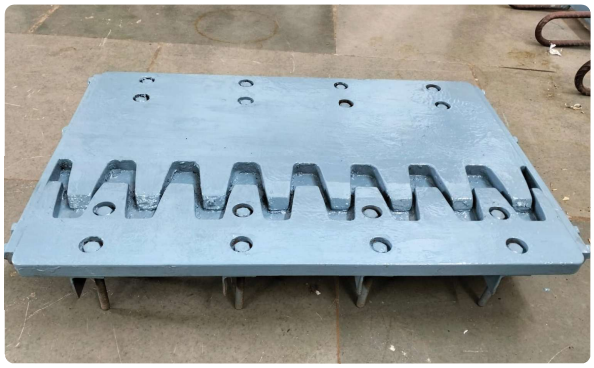
SCON INFRA PRESTRESS LLP is a fully approved ISO Facility producing CE marked bearings and adheres to strict quality procedures that abide the code book specifications.
All components are fully traceable to source. Parts are then machined or assembled to a unique order number for the specified project. On completion of every bearing is fully inspected and labeled before dispatch.

BRIDGE EXPANSION JOINT

Bridge expansion joints are engineered to enable uninterrupted traffic flow between structures, effectively accommodating the inherent movements, shrinkage, and temperature fluctuations in reinforced and prestressed concrete, composite, and steel structures.
Scon Infra has innovatively designed 'F' and 'I' sections with a monolithic structure, minimizing the need for extensive welding. This not only reduces manufacturing time but also preserves the integrity of raw materials without compromising strength, showcasing a commitment to efficiency and structural excellence

ADVANTAGES

- **MONOLITHIC "F" AND "I" SECTION DEVELOPED IN HOUSE**
- **Movement Accommodation**
- **Waterproofing**
- **Smooth Traffic Flow**
- **Low Maintenance**



Technical Characteristics:

Material : E250 BR:2011 (Hot Rolled Steel Section)

Standard Code : IRC SP 69

Factory Output : Approx. 2000 rmt. per month

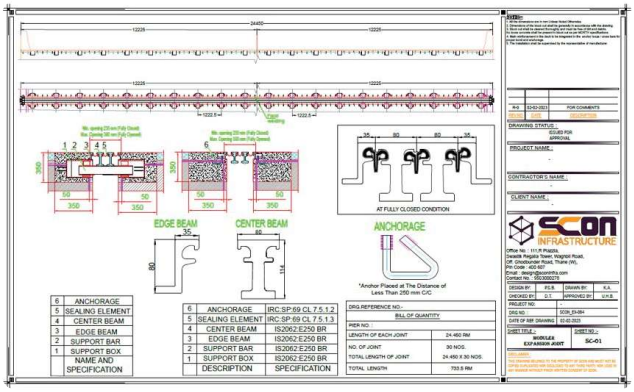
TYPES

SCON specializes in the design and manufacturing of various expansion joint types:

- Single Strip Seal Expansion Joint (up to 80mm movement)
- Modular Expansion Joint (movement exceeding 80mm, up to 560mm or more)
- Finger Type Expansion Joint

DESIGN OF EXPANSION JOINTS

SCON INFRA PRESTRESS LLP. employs a proficient team of designers specialized in the meticulous design of expansion joints, tailored to precise movement parameters and site specifications. Our professionals prioritize technical precision to seamlessly integrate structural elements in accordance with industry standards.



IN-HOUSE TESTING FACILITY

SCON INFRA PRESTRESS LLP. is equipped with a state-of-the-art in-house testing apparatus dedicated to materials, meticulously aligning with industry codes to ensure the production and delivery of high-quality tested products. Our commitment to excellence is demonstrated through regular testing of daily production items, thereby upholding the stringent standards of our production materials.

SCON HYDRAULIC PRESS :

Digitally Control Automatic & Manually Operated Hydraulic Power Press Machine
Vertical Test load capacity Upto Max. : 2000 MT
Horizontal Test load capacity Upto Max. : 650 MT
Test Performed according to Bridge Bearing classification

For Pot–Cum–PTFE Bearing & Spherical Bearing :

- Vertical Load Test.
- Rotation Test.
- Friction Test.

For Pin Fix & Metallic Guided Bearing :

- Only Horizontal Load Test.

For Elastomeric Bearing :

- Shear Modulus Test.
- Compressive Stiffness Test.

ANCHORAGE EFFICIENCY TEST

IN-HOUSE TEST BED DEVELOPED SUITABLE FOR ALL ANCHORAGE TESTING

HDPE SHEATHING DUCT TESING AS PER IRC 112:2020

- WORKABILITY TEST
- TRANSVERSE LOAD TEST
- WEAR RESISTANCE TEST
- WATER LOSS TEST
- LONGITUDINAL PULL TEST

WORKABILITY TEST

TRANSVERSE LOAD TEST

EXPANSION JOINT TESTING AS PER IRC SP 69

- CYCLIC MOTION TEST
- ANCHOR PULL-OUT TEST
- PONDING TEST
- DEBRIS WEAR AND TEAR TEST
- DYE PENETRATION TEST

CYCLIC MOTION TEST

ANCHOR PULL-OUT TEST

SITE EXECUTION

SCON INFRA PRESTRESS LLP boasts a highly experienced and skilled execution team comprised of talented engineers and technicians. This team operates under the guidance of industry experts with over 50 years of experience in Prestressing and heavy engineering materials.
Their extensive expertise empowers SCON to seamlessly and safely execute challenging projects.
SCON INFRA PRESTRESS LLP not only manufactures and supplies prestressing materials but also adeptly executes construction projects.

LAYING AND PROFILING OF HDPE SHEATHING DUCTS

STRESSING AND GROUTING OF PSC GIRDER

REPLACEMENT AND INSTALLATION OF BRIDGE BEARINGS

INSTALLATION OF EXPANSION JOINTS

LAYING AND INSTALLATION OF EXPANSION JOINT

NEW ZUARI CABLE STAY BRIDGE

INDIA'S 2ND LONGEST CANTILEVER SPAN WITH 360 METERS CENTER SPAN

Client : MoRTH & NHAI
Details : 140 + 360 + 140m span
100m Pylon height

Cable Quantity : 1400 Metric Ton

HANOGI CABLE STAY PROJECT, HIMACHAL

INDIA'S ONLY BRIDGE WITH BACK SPAN STAY CABLES ARE ANCHORED TO THE ROCK.

Contractor : AJAY KUMAR SHARMA CONTRACTOR
Client : HIMACHAL PRADESH P.W.D. (SERAJ DIVISION)
Details : 95m span cantilever
20m pylon ht.

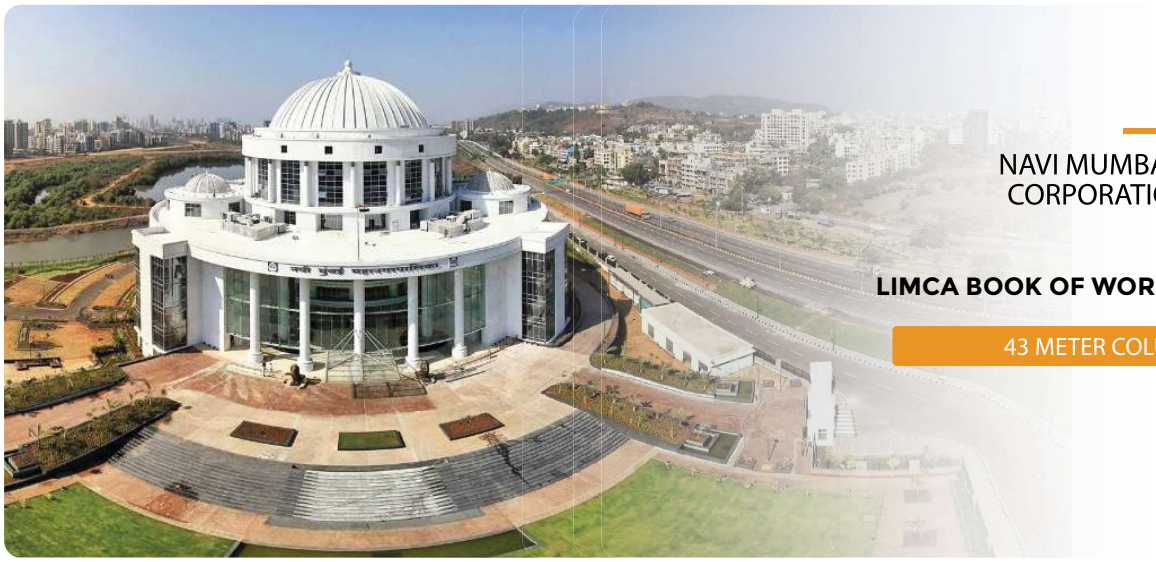
Cable Quantity : 25 MT

NALUCHIRA RIVER BRIDGE, KERALA

KERELAS 1ST CABLE STAYED BRIDGE IN NALUCHIRA

Contractor : KV Joseph & Sons
Client : Kerala Road Fund Board (K.R.F.B.)
Details : Extra-Dosed Cable Stay (20 MT)
Span- 42m + 75m + 42m

Pylon height 22m



NAVI MUMBAI MUNICIPAL CORPORATION BUILDING

MENTIONED IN
LIMCA BOOK OF WORLD RECORDS

43 METER COLUMN FREE SPAN

NAGPUR CANCER HOSPITAL BUILDING

POT PTFE BEARING WITH 3000 TONS CAPACITY FOR NAGPUR CANCER HOSPITAL

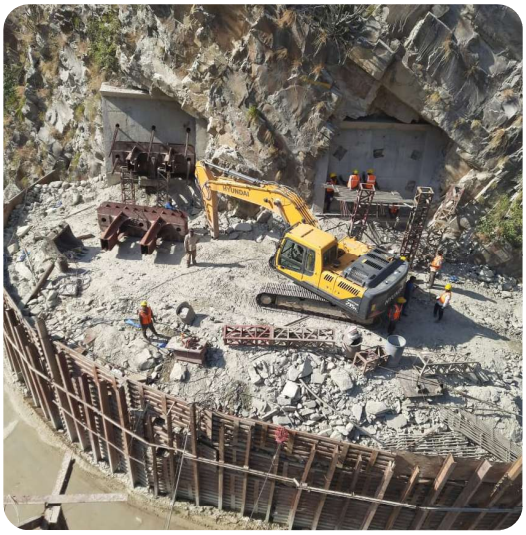
MULTI-MODAL TRANSIT HUB AT EXISTING RAILWAY STATION – STATION AREA TRAFFIC IMPROVEMENT SCHEME (EAST)

CONTRACTOR : NCC-SMC JV
WORK : SUPLLY, INSTALLATION AND STRESSING OF PSC GIRDERS

ROCK ANCHORING FOR HANOGI CABLE STAY BRIDGE

DESIGN, SUPPLY AND EXECUTION

BACK SPAN CABLES ROCK ANCHORED TO BACK ROCK.
45m TOTAL LENGTH OF CABLE WITH 10m FREE LENGTH



SCON

INFRA PRESTRESS LLP

Value Driven Excellence

BRANCH OFFICE

110-111,R. Plazzia, Swastik regalia,Kavesar,
Waghbil Road, Ghodbunder road,
Thane (west)

FACTORY

Plot no 72, Babosa Industrial Park,
Sarwali village, Nasik highway,
Bhiwandi - 421311

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