



Sika India Company Profile

BUILDING TRUST



What we do - Building Trust

Sika is a specialty chemicals company with a leading position in the development and production of systems and products for sealing, bonding, damping, reinforcing, and protecting in the building sector and automotive industry.

WE ARE THERE

Our products might not always be visible but the results they achieve bring clear added value to customers and society.

OUR STRATEGY

The Sika growth model is synonymous with long-term success, as well as sustainable and profitable growth. By targeting the strategic pillars of market penetration, innovation, operational efficiency, acquisitions, sustainability - and driven by its strong corporate values - Sika is growing successfully.

MORE THAN 100 YEARS OF EXPERTISE

Our reputation for quality and reliability is illustrated through a comprehensive portfolio of technologies and solutions.

Whether we are waterproofing your basement or your roof, sealing your skyscraper or your car, or working with you on your house or your multi-story building, you will see why we are renowned for Building Trust.

SIKA AT A GLANCE

25,000	TEAM MEMBERS
100	COUNTRIES
300+	FACTORIES WORLDWIDE
6	NEW / EXPANDED FACTORIES IN 2020
83	NEW PATENTS IN 2020
1	ACQUISITION IN 2020
7.88 BN	NET SALES IN 2020 (IN CHF)



Sika India at a glance

In India, the company started its operations in 1985 and was known as Qualcrete India Limited. In 1987, Qualcrete India Limited forged an alliance with Sika AG, Switzerland and was renamed as Sika Qualcrete Limited. In 2002, Sika AG, Switzerland acquired 100% stake in the company and since then the company has been rechristened as Sika India Pvt. Ltd., a wholly owned subsidiary of Sika AG.

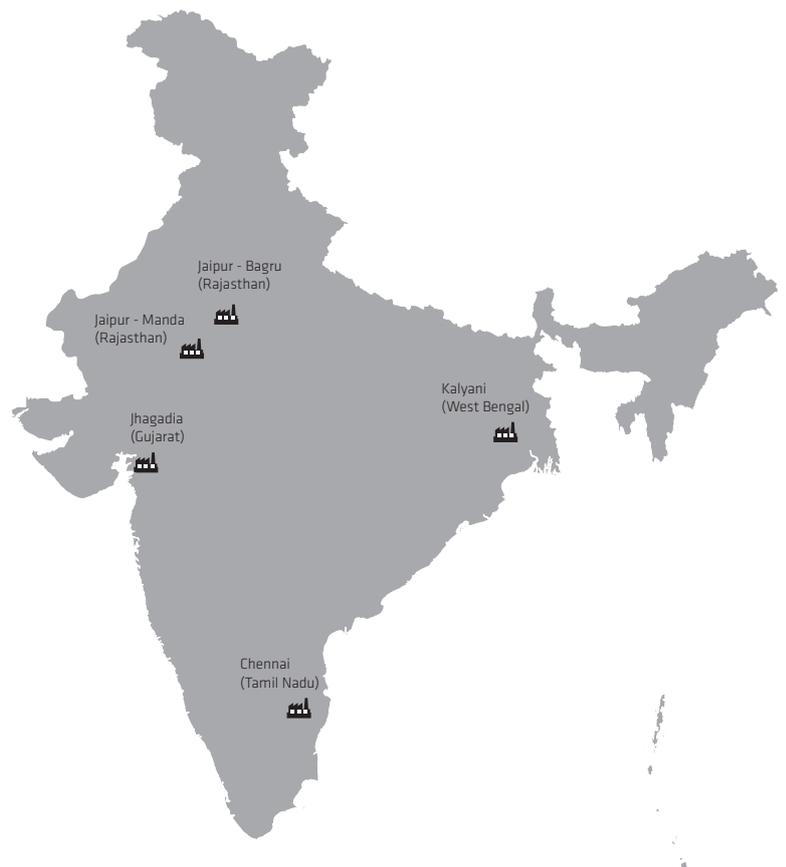
In the construction sector, business activities cover the full spectrum of project types ranging from infrastructural development to buildings, from institutional facilities to manufacturing plant. Sika India services direct customers - concrete producers, contractors and distributors - and stay close to them via the central sales & marketing office in Mumbai, and a pan India sales team presence.

SIKA INDIA HIGHLIGHTS

- **1986** Market entry with a JV, Sika Qualcrete Pvt. Ltd., head office in Kolkata
- **1987** Opening of first production site in Kalyani
- **1996** ISO 9001 certification
- **2003** Sika AG takes full ownership, name change to Sika India Pvt. Ltd.
- **2008** Shift of head office to Mumbai
- **2013** Opening of latest factory incl. R&D center in Jhagadia, Gujarat
- **2017** Achieved a milestone of 500 crore INR (72 Mio CHF) turnover
- **2018** Awarded best “Construction Chemical Company” by Construction opportunities
- **2019** Acquisition of Parex

CAPACITY ADMIXTURE

- **Jhagadia (Gujarat)** - 33,200 MT
- **Jaipur, Bagru (Rajasthan)** - 30,000 MT
- **Kalyani (West Bengal)** - 44,000 MT
- **Chennai (Tamil Nadu)** - 24,000 MT



Success Factors - Courage for Innovation

Sika's long history of innovation has led to unparalleled success in becoming a recognized global technology leader in many markets, as well as creating value for Sika's customers. While investing in established and new technology centers around the world, the company also nurtures and develops an international network of scientists, partners, suppliers, and customers. We provide intelligent solutions using the most advanced technologies, service and unique expertise.

1,000+

EMPLOYEES ARE
DEDICATED TO RESEARCH
AND DEVELOPMENT

600+ INVENTION DISCLOSURES
REGISTERED SINCE 2015

500+ NEW PATENTS WERE
FILED SINCE 2015

GLOBAL THINKING

Sika has a worldwide network of 21 Global Technology Centers which take the lead in long-term research programs and the development of new innovative solutions. To meet local markets' specific needs and requirements, new products and systems are also developed across the 20 Regional Technology Centers. This helps us to facilitate cost-optimization for manufacturing and effective market pricing.



INNOVATION LAB

In the development of products Sika focuses on value-adding solutions such as the new Purform[®] technology which has redefined polyurethanes in sealing and bonding and combines enhanced performance with sustainability and work safety, or the SikaPower[®] adhesives that make 25 million vehicles per year lighter, safer, and more stable.

MEETING HIGH EXPECTATIONS

Our aim is to meet the challenges our customers face by launching new products in response to tighter regulations for adhesives and sealants, developing new solutions to meet the ever-greater demands in terms of trouble-free application and environmental compatibility in the flooring market, or catering for the requirement for lightweight constructions in the automotive industry.



Market Penetration - Driver for growth

We pursue a growth strategy with a focus on enabling cross-selling and offering solutions for new-build as well as refurbishment activities. Our strong brands support market initiatives globally. We ensure that we are solution-driven and close to the customer by building up technical expertise within our local organizations, training local employees and transferring know-how on a global basis.

KEY INITIATIVES IN MARKET PENETRATION By focusing on emerging markets, key project management, cross-selling, and channel penetration we drive the future of Sika's growth

100

COUNTRIES ON ALL
CONTINENTS: SIKA'S
WORLDWIDE PRESENCE

MORE THAN

300

FACTORIES WORLDWIDE

Acquisitions - Growth Platforms

GROWTH ACROSS MULTIPLE DIMENSIONS

We aim for organic growth fueled by innovative drive and entrepreneurial spirit. Growth is further strengthened by carefully targeted acquisitions that add complimentary technologies and increase our access to markets and channels. We always strive to ensure a smooth integration – paying close attention to the local corporate culture and needs of our new team members.



SUCCESSFUL STRATEGIC LEVER

Acquisitions have proven to be a major growth driver that allows us to increase market penetration through market share, technology as well as channel access.



Values and Principles - Our Culture

We take a long-term perspective on the development of our business and we act with respect and responsibility towards our customers, our stakeholders, and our employees.

The future success of our company is not only dependent on pursuing the right strategy, but is just as much based on the trust and dedication of all our employees.

SIKA PEOPLE

We believe in the competence and the entrepreneurial spirit of our employees. Our team is the biggest asset we have and thanks to the dedicated people we employ we are able to provide high levels of customer and technical services.



VALUES AND PRINCIPLES

- Customer first
- Courage for innovation
- Sustainability & integrity
- Empowerment & respect
- Manage for results

Sika's Values and Principles are the foundation for the Code of Conduct. They are put into action through strong leadership and by all employees every day, worldwide.

AROUND

25,000

PEOPLE ARE EMPLOYED
BY SIKA WORLDWIDE



FOCUS ON ATTRACTIVE MARKETS: CROSS-SELLING, LIFE-CYCLE MANAGEMENT, ONE STRONG BRAND

CONCRETE

Sika develops and markets a complete range of admixtures and additives for use in concrete, cement, and mortar production. These products enhance specific properties of fresh or hardened concrete, such as workability, watertightness, durability, loadbearing capacity, and early and final strength.



WATERPROOFING

Sika's system solutions for waterproofing cover the full range of technologies used for below and above-ground waterproofing: flexible membrane systems (polymeric sheets, modified bitumen sheets), liquid applied membranes, joint waterproofing systems (waterstops, swelling profiles, adhered tapes), waterproofing mortars and mortar admixtures, and injection resins and grouts.



ROOFING

Sika provides a full range of flat roofing systems, incorporating both flexible sheet and liquid-applied membranes. In recent years, bituminous technologies have been acquired in markets where bitumen dominates. Demand in this segment is driven by the need for eco-friendly, energy-saving solutions such as green roof systems, cool roofs, and solar roofs, which simultaneously help to reduce CO2 emissions.



BUILDING FINISHING

Building Finishing encompasses ceramic tiles and natural stones installation, facade finishing, protection and decoration systems, as well as interior wall finishing. Sika is a global leader in Building Finishing and provides one of the most comprehensive sets of solutions such as tile adhesives and grouts, systems for under-tile waterproofing and sound reduction, as well as renders and decorative finishes, and Facade Thermal Insulation Systems



FLOORING

Sika provides liquid applied floor finishes and cementitious underlayments to protect, prepare, upgrade and finalize floor surfaces. Our full range of seamless flooring solutions meet the highest requirements for both industrial and decorative floor systems. We use a wide range of technologies such as cement, calcium sulphate, epoxy, polyurethane, hybrid versions among others.



SEALING & BONDING

Sika offers a wide range of high-performance and durable sealants, tapes, spray foams, and elastic adhesives for the building envelope, for interior finishing and for infrastructure construction. Typical applications include the sealing of movement joints between facade elements to make buildings weatherproof, the bonding of wood floors to reduce noise, the sealing of joints in airport aprons, and fire stopping



ENGINEERED REFURBISHMENT

Sika has developed fundamental procedures and pioneering products for the restoration, repair and protection of decaying and damaged concrete. Sika was the first manufacturer to develop and introduce carbon fibre technology for reinforcing and strengthening concrete structures. Sika provides technologies for the entire life cycle of commercial buildings, residential properties, and infrastructure rehabilitation projects.



INDUSTRY

The markets served by Sika include automobile and commercial vehicle assembly (structural bonding, direct glazing, acoustic systems, reinforcing systems), automotive aftermarket (auto glass replacement, car body repair), marine vessels, industrial lamination, appliances, renewable energies (solar and wind), and facade engineering (structural glazing, sealing of insulating glass units).



BUILDING TRUST SINCE 1910

SIKA HAS PROVIDED WATERPROOFING SOLUTIONS FOR MORE THAN

100 YEARS

THE FIRST PRODUCT, SIKA®-1, IS STILL ON THE MARKET

EVERY YEAR SIKA SUPPLIES ENOUGH ROOFING MEMBRANES TO COVER THE

WHOLE OF MANHATTAN

MORE THAN

30 %

INTERIOR NOISE REDUCTION IN VEHICLES THANKS TO SIKA'S ACOUSTIC SOLUTIONS

FLOORING RANGE BASED ON NEW AMINE HARDENER LEADS TO

85% LESS CO₂

COMPARED TO TRADITIONAL EPOXY FLOORING SYSTEMS

WITH MORE THAN

100 AWARDS

IN 19 YEARS, SIKA IS THE COMPANY WITH THE MOST CONCRETE REPAIR PROJECTS AWARDED WORLDWIDE

USING SIKA'S LONG-LASTING WINDOW INSTALLATION SEALANTS, MORE THAN

1 MILLION

WINDOW FRAMES ARE SEALED EACH YEAR HELPING TO SAVE MORE THAN

10,000

TANKER LOADS OF HEATING OIL OVER THEIR COMPLETE LIFETIME

50 %

OF ALL CARS PRODUCED WORLDWIDE USE SIKA PRODUCTS

THANKS TO SIKA'S RANGE OF WATER REDUCERS, OVER

6 BILLION LITERS OF WATER

IN 19 YEARS, SIKA IS THE COMPANY WITH THE MOST CONCRETE REPAIR PROJECTS AWARDED WORLDWIDE

BATTERY CASINGS COATED WITH SIKA'S INNOVATIVE FIRE PROTECTION COATING CAN WITHSTAND

UP TO 1,000 °C

WORLDWIDE MARKET PRESENCE



Sika is active in 100+ countries on all continents with strong local organizations. Sika has more than 300 plants worldwide.

BUILDING TRUST WORLDWIDE

- EMEA
- AMERICAS
- ASIA/PACIFIC



Sika India Pvt. Ltd.
Plot No D 101/2,
MIDC Industrial Area,
Shiravane, Nerul,
Navi Mumbai - 400706

Contact
Tel: +91 22 6270 4038
Fax: +91 22 6270 4039
Email: info.india@in.sika.com
Website: ind.sika.com

BUILDING TRUST





IS NOW PART OF **Sika**

Master Builders Solutions India Private Limited
Plot No D-126, TTC Industrial. Area, MIDC,
Shiravane Navi Mumbai, 400706 Maharashtra India

6th Jan 2024

To whomsoever it may concern

We are extremely proud to announce that Sika and MBCC Group have joined forces. Since 2nd May 2023, we are one company. As a valued customer, you are at the core of our decisions, and we want to keep you informed about what lies ahead.

Firstly, we want to ensure you that our strong relationship and focus on serving you continues: we will continue to deliver the same quality, products and services. In addition, there will be no unforeseen disruptions due to the acquisition: we have dedicated teams to ensure that.

Secondly, this acquisition will strengthen the value that we can provide to you. We will continue to offer you a better service and experience, as well as broaden our product portfolio and geographical coverage. We will push innovation to the next level, ensuring you get the best products, and, in particular, more sustainable solutions.

Finally, please rest assured that immediate implications or changes, if any, will be communicated clearly and well in advance. Unless explicitly communicated otherwise, you will kindly continue to interact with your usual sales and support points of contact, and your order processing will stay the same, including the product offering, current or near future.

We would like to personally thank you for your past support and look forward to sustaining Sika's commitment to you and your business going forward. Please do not hesitate to contact us if needed; we are happy to answer any additional questions.

Yours sincerely,

Master Builders Solutions India Pvt.Ltd.

Nilotpol Kar

Managing Director



Sika Asia Pacific Management Pte Ltd

Yumi Kan

Area Manager South Asia

Head TM Concrete & Eng.Refurbishment APAC

Master Builders Solutions India Private Limited

Registered Office:

Plot No D-126, TTC Industrial. Area, MIDC, Shiravane Navi Mumbai, 400706 Maharashtra, India

E-mail: Construction-india@mbcc-group.com

CIN - U24299MH2019FTC331051

<https://mbcc.sika.com/en-in>



CENTRAL BOARD OF EXCISE AND CUSTOMS
Ministry of Finance - Department of Revenue



FORM RC

Central Excise Registration Certificate
[Under Rule 9 of the Central Excise Rules, 2002]

This is to certify, subject to conditions specified below, that

M/s **SIKA INDIA PRIVATE LIMITED, MANUFACTURING OF EXCISABLE GOODS** (name and style in which the Registrant is likely to carry out business) (in case of a proprietary concern or business owned by a Hindu Undivided Family, the name of proprietor/Hindu Undivided Family, as the case may be, shall also be indicated)

is/are registered for **OPERATING AS A MANUFACTURER OF EXCISABLE GOODS** (type of business) at **SIKA INDIA PRIVATE LIMITED, PLOT NO. 916, JHAGADIA INDU. ESTATE, GIDC, JHAGADIA, BHARUCH, GUJARAT** (address of the business premises) on the basis of the application received in this office on **06/12/2012** (date of receipt).

Registration Number is **AAECS1119FEM032**



(Handwritten signature)

Signature of the Deputy Commissioner of Central Excise or Assistant Commissioner of Central Excise

सहायक आयुक्त / Asstt. Commissioner
के. ज. एवं सी. शुल्क / C. Ex. & Customs
मंडल-II Div-II अकलेष्वर / Ankleshwar-II

(with name and official seal)

Date of Issue of Original RC : 07/12/2012
Date of Last Amendment of RC :-

Place : BHARUCH

Conditions

1. This Registration Certificate is valid only for the premises and purposes specified in the application
2. Registration certificate is not transferable.
3. No corrections in the certificate will be valid unless the request for any correction/change is applied for and the same is acknowledged.
4. This certificate shall remain valid till the Registrant carries on the activity for which it has been issued or surrenders it or till it is revoked or suspended.
5. The grant of this certificate shall be without prejudice to the rights of any other person (s) over the registered premises or purpose to which such person may be lawfully entitled.





Form No.4 - Registration and Licence to work a factory
[Prescribed under Rule 4 (6) of the Tamil Nadu Factories Rules 1950]



Registration Number : **KPM07544**

Licence Fee : **₹ 36,000/-**

Licence is hereby granted / renewed to Mr. Nilotpol Kar valid only for the premises detailed below for use as a factory employing not more than 50 workers on any one day during the year and using installed horse power inclusive of mobile equipment not exceeding 129 horse power subject to the provisions of the Factories Act, 1948 and the Rules made thereunder.

This licence shall remain in force till the 31st day of December 2022 unless such licence is cancelled before that date under rule 109.

Name of the factory : **SIKA INDIA PVT LTD**

Description of Licensed Premises

The licensed premises shown on Plan No. R.Dis 1918/2006 dated 26/06/2006 are situated in Door No. / Plot No.: NO.23, GST Road, Madhuranthagam, Bukkathurai Village, Madhuranthangam Taluk, Kancheepuram District - 603308.

Digitally signed by RENGASAMY
SIDDHARTHAN
Date: 2024.01.18 17:18:10 IST

Date : 18/01/2024

Joint Director of Industrial Safety and Health, Cuddalore

Renewals				
Sl.No.	Date of Renewal	Fee for Renewal	Date of Expiry	Signature of Joint Director
1	18/01/2024	36,000/-	31/12/2026	
Amendments				
Sl.No.	Amended to Install horse power	Amended to Employ maximum number of workers	Additional fee	Signature of Joint Director
1.				
2.				
Transfers				
Sl.No.	Name of the person to whom transfered	Name of the factory	Signature of Joint Director	
1.				
2.				

Certificate CH15/1206.00

The management system of

Sika AG

Zugerstrasse 50, 6340 Baar, Switzerland

has been assessed and certified as meeting the requirements of

ISO 9001:2015

For the following activities

Development, Production and Distribution of Systems and Products in the Building Sector and Industry

This certificate is valid from 03 December 2023 until 02 December 2026 and remains valid subject to satisfactory surveillance audits.

Issue 9. Certified since 01 September 2015

Certified activities performed by additional sites are listed on subsequent pages.



Authorised by
Daniel Willemin

Authorised by
Jan Meemken

SGS Société Générale de Surveillance SA
Technoparkstrasse 1, 8005, Zurich, Switzerland
t +41 (0)44 445-16-80 - www.sgs.com



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Sika AG

ISO 9001:2015

Sika India Private Ltd. 620, Diamond Harbour Road, 700034 Kolkata, India
Sika India Private Ltd. Plot No D 101/2, TTC Industrial Area, 400706 Navi Mumbai, India
Apurva India Pvt Ltd No.2, Office No.2, 2nd Floor, 7-C Pitambar Lane, 400016 Mumbai, India
Sika India Private Ltd. 23, GST Road, Bukkathurai Village, 603 308 Chennai, India
Sika India Private Ltd. Industrial Estate(New), 741 235 Kalyani, India
Sika India Private Ltd. Plot No: 916, Jhagadia Industrial Estate, GIDC, 393110 Jhagadia, India
Sika India Private Ltd. F1/F2, RIICO Industrial Area, Extn II, 303 007 Jaipur, India
Sika India Private Ltd. Plot No 247, Sompura Industrial Area, 562111 Dabaspet, India
Sika India Private Ltd. M/S MBT Infrastructure Pvt Ltd, NH-6, 711114 Pakuria, India
Apurva India Pvt Ltd. Plot No F-4/11, MIDC Boisar, 401506 Palghar, India
Apurva India Pvt Ltd. Plot No. 17/6, MIDC Tarapur Industrial Area, 401506 Palghar, India
Sika Indonesia P.T. Bogor JL. Raya Cibinong - Bekasi km 20, Limusnunggal, Cileungsi, 16820 Bogor, Indonesia
Sika Indonesia P.T. Jl. KIG Raya Utara Kav. 3-4, Kawasan Industrial Gresik, Roomo, Manyar, 61151 Gresik, Indonesia
Sika Indonesia P.T. - Bekasi - West Java Jl. Serui, Blok AE-06, BeFa-MM2100 Industrial Estate, Cikarang Barat, 17530 Bekasi , Indonesia
Sika Ireland Ltd. Sika House, Ballymun Industrial Estate, D11 DA2V, IE - Ballymun - Dublin 11



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Certificate CH15/1207.00

The management system of

Sika AG

Zugerstrasse 50, 6341 Baar, Switzerland

has been assessed and certified as meeting the requirements of

ISO 14001:2015

For the following activities

Development, Production and Distribution of Systems and Products in the Building Sector and Industry

This certificate is valid from 03 December 2023 until 02 December 2026 and remains valid subject to satisfactory surveillance audits.

Issue 8. Certified since 01 September 2015

Certified activities performed by additional sites are listed on subsequent pages.

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Sika AG

ISO 14001:2015

Sika Automotive Deutschland GmbH Weinsheimer Str. 96, 67547 Worms, Germany
Sika Deutschland GmbH Kornwestheimer Straße 103-107, 70439 Stuttgart, Germany
Sika Deutschland GmbH Stuttgarter Straße 117, 72574 Bad Urach, Germany
Sika Manufacturing Deutschland GmbH Mülheimer Strasse 26, 53840 Troisdorf, Germany
Sika Deutschland GmbH Peter-Schuhmacher-Strasse 8, 69181 Leimen, Germany
Sika Deutschland GmbH Alfred-Nobel-Strasse 6, 48720, Rosendahl, Germany
Hago PU GmbH Max-Planck-Strasse 17, 86899 Landsberg am Lech, Germany
Sika Hellas ABEE Arkadiou 6, 570 09 Kalochori , Greece
Sika Hungaria Kft. Rozália Park 5-7., 2051 Biatorbágy, Hungary
Sika India Private Ltd. Plot No. A-127, RIICO Industrial Area Phase-1, 303712 Jaipur, India
Sika India Private Ltd. 620, Diamond Harbour Road, 700034 Kolkata, India
Sika India Private Ltd. Plot No D 101/2, TTC Industrial Area, 400706 Navi Mumbai, India
Sika India Private Ltd. 23, GST Road, Bukkathurai Village, 603 308 Chennai, India
Sika India Private Ltd. Industrial Estate(New), 741 235 Kalyani, India
Sika India Private Ltd. Plot No: 916, Jhagadia Industrial Estate, GIDC, 393110 Jhagadia, India



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Certificate CH20/1034.00

The management system of

Sika AG

Zugerstrasse 50, 6340 Baar, Switzerland

has been assessed and certified as meeting the requirements of

ISO 45001:2018

For the following activities

Development, Production and Distribution of Systems and Products in the Building Sector and Industry

This certificate is valid from 03 December 2023 until 02 December 2026 and remains valid subject to satisfactory surveillance audits.

Issue 4. Certified since 03 December 2020

Certified activities performed by additional sites are listed on subsequent pages.

Authorised by

Daniel Willemin

Authorised by

Jan Meemken

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Technoparkstrasse 1, 8005, Zurich, Switzerland

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Sika AG

ISO 45001:2018

Sika Hellas ABEE Arkadiou 6, 570 09 Kalochori, Greece
Sika Hellas ABEE Protomagias 15, 145 68, Kryoneri, Greece
Sika Guatemala, S.A. Kilometro 36.6 carretera al pacifico, 2073 Palin, Guatemala
Sika Guatemala, S.A. 15 calle 7-77 Zona 10, Edificio Optima Centro de Negocios, 2074 Ciudad de Guatemala, Guatemala
Sika India Private Ltd. M/S MBT Infrastructure Pvt Ltd, NH-6, 711114 Pakuria, India
Sika India Private Ltd. Plot No: 916, Jhagadia Industrial Estate, GIDC, 393110 Jhagadia, India
Sika India Private Ltd. 23, GST Road, Bukkathurai Village, 603 308 Chennai, India
Sika India Private Ltd. F1/F2, RIICO Industrial Area, Extn II, 303 007 Jaipur, India
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Sika India Private Ltd. 620, Diamond Harbour Road, 700034 Kolkata, India
Sika India Private Ltd. Industrial Estate(New), 741 235 Kalyani, India
Sika India Private Ltd. Plot No D 101/2, TTC Industrial Area, 400706 Navi Mumbai, India
Sika India Private Ltd. Plot No. A-127, RIICO Industrial Area Phase-1, 303712 Jaipur, India
Sika Indonesia P.T. JL. Raya Cibinong - Bekasi km 20, Limusnunggal, Cileungsi, 16820 Bogor, Indonesia
Sika Indonesia P.T. Jl. KIG Raya Utara Kav. 3-4, Kawasan Industrial Gresik, Roomo, Manyar, 61151 Gresik, Indonesia



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Ref: URS/IE Krishnapatnam/Pkg-III/ NHA/2024/61

Date: 14.02.2024

To,
The Authorized Signatory,
M/s AMR India Pvt Ltd. & M/s Rithwik Projects Pvt Ltd.
Muthkur.

Sub: - Construction of Four Laning of Green field Road connecting North & South Industrial Cluster of Khandaleru creek near Krishnapatnam port at Thamminapatnam to Narikellapalle (Part-I from km 0+000 to km 14+650) and Six laning of extension of Dedicated port road on NH-67 (Part-II from Km 18+000 to km 19+300) in the state of Andhra Pradesh under Bharatmala Pariyojana Phase-I on EPC Mode(2nd Call)-Review for Source approval of Admixture1)M/s Sika India Pvt Ltd -Reg.

Ref: -

1.EPC Agreement

Dated:28.06.2023

2.Appointed Date declared

25.09.2023

3.YourLr.no.AMRIL-RITHWIK(JV)/Krishnapatnam/PKG-3/2023-24/121

Dated:11.02.2024.

Dear Sir,

This has reference to your above cited letter by which you have submitted for source approval of Admixture credentials of M/s Sika India Pvt Ltd has been reviewed by this office and found in order.

Before finalizing the material, the concrete trial mix designs at site laboratory is to be done to check the performance of the product.

The approval shall be accorded after satisfactory completion of mix design trials.

This is for your information and necessary action

Thanking you

Yours faithfully,

For **URS Scott Wilson India Pvt. Ltd. in JV with
Lion Engineering Consultants Pvt. Ltd.**


B. Ravi Kumar
Team Leader Cum Senior Highway Engineer



Copy submitted to the Project Director PIU NHA, Nellore for favour of information & record.

Ref: ALT/1023.1/2024/BLR-VJY/P8/084

Date: 08.05.2024

To
M/s. MEIL Mallapalle Roadways Private Limited
Plat No.5-1, Phase-1, Technocrat Indl. Estate,
Balanagar, Hyderabad - 500037,
Telangana

Project: Development of Six-Lane Access Controlled Greenfield Highway from Mallapalle (Ch. 176+000) to Kavulakunlla (Ch. 196+000) Bengaluru - Vijayawada Economic corridor on HAM Mode under Bharatmata Pariyojana Phase-I in the state of Andhra Pradesh- (Pkg-08)

Sub: Source Approval of Admixture from M/s Saint-Gobain (Chryso), M/s Fosroc Chemicals (India) Pvt Ltd, MYK Arment Pvt Ltd, Sika India Pvt Ltd & Molecules Conchem Pvt Ltd -Reg.

Ref: MEIL/NHA/BV PKG 8/2023-24/QC/001: dated:06-05-2024

Dear Sir,

This is with reference to your letter and subject cited above, we have received your submission for **M/S Saint-Gobain (Chryso), M/s Fosroc Chemicals (India) Pvt Ltd, M/s MYK Arment Pvt Ltd, M/s Sika India Pvt Ltd & M/s Molecules Conchem Pvt Ltd** Admixtures, as source of chemical manufacturers, intended to procure from, for concrete works in the project. We have reviewed the same & hereby approved subjected to the following conditions: -

1. After satisfactory trial test, specific product/brand of admixture to be used for concreting works in the project may please be intimated to IE.
2. All tests relating to the concrete admixture shall be conducted periodically in an approved independent testing establishment, after joint sampling with IE. These test reports shall be submitted to IE for comparing the test data given by the manufacturer in accordance with the requirements of sub clause 1012.3.2 (e) of MoRT&H technical specification.
3. Check the conformity of the chemical admixture, as mentioned in Table 1A & Table 1B of IS 9103-2018 Clause 04 & ASTM C-494-2010 (Type-G) Clause 1.3 and other details mentioned in MORTH Clause 1012.3.1 & 1705.
4. Ensure that every consignment of the material shall be along manufacturer's test report.
5. Each container of admixture shall legibly marked with Identification of manufacturer source, year & date of manufacture, Type of admixture Batch number & Chloride content.
6. If any test specimen selected from the lot fails, no retesting shall be done and the entire lot is liable to be rejected.



7. The approval shall stand cancelled automatically in case of any negative feedback about performance or if it fails when tested in Independent lab.

As per MORTH clause 107.3, "**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**".

Thanking you

For Altinok in JV with SA Infra in Association with Marsway

Yours sincerely,


Swetabh Singh
Authorized Signatory

Copy To: Project Director, PIU Kadapa

Tele: 23019702
Fax: 23019488
E-mail: eincdirdes1-mes@nic.in

BY REGD SDS/POST
Engineer-in-Chief's Branch
Military Engineer Services
Sub Dte of Design, Room No 166
Kashmir House, Rajaji Marg
New Delhi - 110 011

43285/CMPT/ 668 /Des-2

29 Jan 2024

E-in-C's List 'A' & List 'B'

RENEWAL OF PRODUCT APPROVAL: M/S SIKA INDIA PVT LTD

1. Reference this HQ letter No 43285/CMPT/593/Des-2 dated 19 Nov 2020.
2. M/s Sika India Pvt Ltd, New Delhi had approached this HQ for renewal/approval of their following products under various categories of construction chemicals viz. "Joint Sealants, Waterproofing, Refurbishment, Grout, Flooring and Admixture" as under for use in Defence Works :-

JOINT SEALANTS.

- (a) Sikasil 728NS/SL
- (b) Sika Polysulphide
- (c) Sikaflex Construction +
- (d) Sikaflex PRO-3
- (e) Sikadur Combiflex SG
- (f) Sikaflex 11 FC
- (g) Sikaflex Pro 3 SL
- (h) Sikaflex 402 Airport
- (j) Sika Emseal Joint Systems
- (k) SikaSeal 106 Construction
- (l) Sikaflex 118 Extreme Grab
- (m) Sikaflex 406 KC
- (n) SikaHyflex 160 Construction

REFURBISHMENT

- (a) Sikawrap glass Fibre.
- (b) Sikawrap Carbon Fibre
- (c) Sika Anchofix 2+ Tropical
- (d) Sikadur 31 IN
- (e) Sikadur 32 IN
- (f) Sikadur 32 LP IN
- (g) Sikadur 41 IN
- (h) Sikadur 43 IN
- (j) Sika FerroGard 903
- (k) Sika Ferrogard 950 IN
- (l) Sikagard 550 W IN
- (m) Sikacrete 145 IN
- (n) Sikacrete 155 UW IN
- (o) Sikacrete 145 IN/ 165 IN
- (p) Sika Carbo Dur
- (q) Sikadur 12 Pronto
- (r) Sika Top 77
- (s) Sika Top 122.
- (t) Sika Top 122HS.
- (u) Sika Top Armatec 108
- (v) Sika Top Armatec 110 Epo Ce
- (w) Sikagard 551S Elastic Primer
- (x) Sikagard PU UR/Sikagard PU UR (W)

WATERPROOFING

- (a) Sikaplan WP 1100-15HL/20HL
- (b) Sikalastic 450h/450l
- (c) Sika Cemflex
- (d) Sika Latex Power & Sika Latex Super
- (e) Sika 101h
- (f) Sika Top 107 Seal IN
- (g) Sika Top 109 Seal IN
- (h) Sika 2
- (j) Sika 4a
- (k) Sika Swell P Profile
- (l) Sika Fuko Smart
- (m) Sika Injection 101 IN
- (n) Sika Waterbar h
- (o) Sikalastic 830N
- (p) Sikalastic 842BG
- (q) Sikalastic 618 MTC
- (r) Sika Shield P24 PE IN-3mm/P24 MG IN-3mm/P24 PE IN - 4mm/P24 MG IN-4mm
- (s) Sikaplan 12G/15G
- (t) SikaProof 808/A+12/T10
- (u) Sika Swell A/S2
- (v) Sika WP Shield 103F/102F
- (w) Sika Fuko VT1/VT2/Eco1
- (x) Sarnafil G 410L/G476/S327L
- (y) Sikalastic 590 IN
- (z) Sika Shield P35 PE IN-3mm/P35 MG IN-3mm/ P35 PE IN-4mm/P35 MG IN-4mm/Sikaproof 312/315/612
- (aa) Sika Shield P24 S IN -3mm/P24 S IN-4mm
- (ab) Sikalastic 851/851R/901
- (ac) Sika Injection 202IN/201CE/306/307/310
- (ad) Sika MultiSeal
- (ae) SikaCim Pink
- (af) Sika Raintite I
- (ag) Sika FlexiCoat 1K
- (ah) Sikalastic 520 Cool Coat Fibres IN/ Sikalastic 10 Primer W
- (aj) Sika Cemcrete
- (ak) Sika Control WT 200 P IN
- (al) SikaSeal Tape F



P.T.O

REFURBISHMENT (Contd)

- (y) Sika MonoTop 122 F/R
- (z) SikaGrout Precast 40
- (aa) Sikagard 5310 Coal Tar
- (ab) Sikagard 552 W IN
- (ac) Sikagard 625 Clearcoat
- (ad) Sika Anchorfix 3030
- (ae) Sikawrap FX 50
- (af) Sika carbodur BC Rod
- (ag) Sika Carbodur NSM
- (ah) Sika Monotop 412N
- (aj) Sikagard XT
- (ak) Sika Rustoff 100

FLOORING

- (a) Sika Chapdur IN
- (b) Sikafloor3 Quartztop IN
- (c) Sikafloor 20N Purcem
- (d) Sikafloor 41 Purcem
- (e) Sikafloor 49 Purcem
- (f) Sikafloor 31 Purcem IN
- (g) Sikafloor 81 EpoCem
- (h) Sikafloor 82 EpoCem
- (j) Sikafloor 105
- (k) Sikafloor 161 HC
- (l) Sikafloor 220 W Conductive
- (m) Sikafloor 262 AS N
- (n) Sikafloor 264 HC N
- (o) Sikafloor 390 N
- (p) Sikafloor 381 ECF
- (q) Sikafloor 7530
- (r) Sikafloor Curehard 24
- (s) Sikafloor Proseal 22
- (t) Sikagard 63
- (u) Sikagard 63 N
- (v) Sikagard 67
- (w) Sika Ceram
- (x) Sika Tilofix
- (y) Sika Wall Décor
- (z) Sikafloor 2350 ESD
- (aa) Sikafloor 315
- (ab) Sikafloor 325
- (ac) Sikafloor 359 N
- (ad) Sikafloor 44 Purcem EDF
- (ae) Sikafloor 326
- (af) Sika Extender T
- (ag) Sikafloor Joint S/EXA/XS/X
- (ah) Sikafloor Leitset (Earthing Kit)
- (aj) Sikafloor 290 Primer
- (ak) Sikafloor 291
- (al) Sikagard 720 Epocem IN
- (am) Sikafloor Multidur System
- (an) Sika Colourflake IN
- (ao) Sika Block Joining Mortar
- (ap) Sika Tilogrout/Epoxy Tilogrout
- (aq) Sika Ceram Grey/155/212/255 (White & Grey)/288 (White & Grey)

WATERPROOFING (Contd)

- (am) SikaShield W159 ED 1,5mm
- (an) Sikalastic 853 RAP
- (ao) Sika Monotop 151 Migrating
- (ap) Sika Shield P22 PE IN-3mm

GROUT

- (a) Sika Grout 104 IN
- (b) Sika Grout 214 IN
- (c) Intraplast EP.
- (d) Sikacem 130 Intraplast
- (e) Sikacem 135 Intraplast
- (f) Sikadur 42 IN
- (g) Sikadur 42 HES IN
- (h) Sikadur 52
- (j) Sikadur 53 UF
- (k) Rokkon 1
- (l) RokkonR
- (m) Sikadur 42 MP (IN)
- (n) Sikadur 55 LP IN
- (o) Sikagrout 60 RR
- (p) Sikagrout 295 IN

ADMIXTURE

- (a) Sika AER
- (b) Sika FerroGard-901(IN)
- (c) Sika Rapid 1
- (d) Sika Antifreeze
- (e) Sikament
- (f) Sikament 4003NS
- (g) Sikament 4211 PQ
- (h) Sikament NN
- (j) Sikament 1016NS
- (k) Sikament 2002NS
- (l) Sika ViscoCrete
- (m) SikaPlast
- (n) Sikaplast 4201NS
- (o) Sikaplast 3001NS
- (p) Sika Viscocrete 20 HE.
- (q) Sika ViscoFlow
- (r) Sika Plastiment
- (s) Sika Plastocrete
- (t) Sika Singunit
- (u) Singunit L54AF
- (v) Sika Singunit Powder K
- (w) Sika Antisol
- (x) Antisol EWP.
- (aa) Sigunit Powder (K)
- (ab) Sika Separol
- (ac) SikaRapid C100
- (ad) Sikament 3070NS/2009PQ
- (ae) Sika Viscocrete 4107PQ
- (af) Sikaplast 3144PQ
- (ag) Sika Control-WT 200 P(IN)



3. Based on feedback/performance reports received from Zonal CEs/CsWE, **Renewal/Approval** of products under various categories of construction chemicals viz. "Joint Sealants, Waterproofing, Refurbishment, Grout, Flooring and Admixture" sourced from the factory/registered addresses listed below is hereby accorded in terms of policy letter No A/37696/12-114/Pol/E2W (PPC) dt 01 Dec 2022, for use in Defence Works for a further period of three years i.e. upto 28 Jan 2027.

4. Further continuation of the approval of product shall be decided, thereafter, based on the mandatory feedback/ performance report submitted by Zonal Chief Engineers/ CsWE. In case any formation using the product notices any defect/ discrepancy, the same will be reported immediately without waiting for the expiry of the approval period.

5. The approval does not absolve the executive/ supervisory staff from their responsibility for using correct quality product. It is only after they are satisfied about the quality and the performance, the product will be used. Mandatory checks about the quality will be carried out as laid down and the records of the same maintained.

6. At the time of renewal, the firm is required to submit details of sales/ supply of approved products to MES Contractors/ Formations/ Units as per format given below alongwith minimum three number of performance reports from MES formations, failing which their approval will not be considered for renewal. **MES units using the product are requested to issue performance report when approached by the firm duly signed by the GE and countersigned by the CE/ CWE.**

S. No	Name of Product	Supply to MES Contractor/ Formation/ Unit	Location/ Station	Date of Supply	Quantity Supplied	Amount (Rs)	Supply Order No	Remarks
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)

7. Further specifications/ details of the product, samples etc, can be obtained from the manufacturer at the address given below:-

Registered/ Correspondence Address:-

M/s Sika India Pvt Ltd
Plot No D101/2, TTC Industrial Area,
Shiravane, Nerul - 400706
Navi Mumbai
Ph : +91 22 6270 4038
Fax: +91 22 6270 4039
Email :- info@in.sika.com
Website : www.ind.sika.com

Contact Person:-

Mr Pankaj Roy - 9136672062
Email : roy.pankaj@in.sika.com




(M K Deepak, IDSE)
EE (SG)
Jt Dir (Des)
For E-in-C


Copy to:-

M/s Sika India Pvt Ltd
Plot No D101/2, TTC Industrial Area,
Shiravane, Nerul – 400706
Navi Mumbai

Please Note that:-

1. Six monthly report is dispatched so as to reach this office in April and October every year. Nil supply/ report will be assumed for the preceding six months in case of non-receipt of report.
2. Approval given here can be cancelled at any time during the currency of this approval period, in case of adverse report/ unsatisfactory performance of above approved products or in case any documents/certificates submitted are found to be fraudulent.
3. Further renewal of the firm/ product will be considered online on portal mes.bisag-n.gov.in based on inputs and feedback received from MES units/ formations as given at Para 4 and Para 6 of this letter.

Internal:-

TS to DG MAP, E2 (Army TC), E2 (Navy), E2 (Air), E4, E6, E8, E2W (PPC), CCEs

Automation Cell :- It is requested to upload this letter on restricted domain MES website.





भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय)
National Highways Authority of India
(Ministry of Road Transport & Highways)



Project Implementation Unit - Chennai

श्री टावर 3rd फ्लोर DP 34 (SP) Industrial Estate Guindy, Chennai - 600 032
SRI TOWER 3rd Floor DP 34 (SP) Industrial Estate Guindy, Chennai - 600 032
दूरभाष / Phone 01 44 2226 1885 फैक्स / Fax 01 44 2226 1805
ईमेल / E-mail chennai@nhai.org / chennaipiu@gmail.com

NHA/11018/1/2022/PIU.Chennai/1116

17th September 2022

To,

Authorized Signatory,
EKK Infrastructure Limited
Thiruvallur - Pakkam Main Road,
Vellakulam(V), Kilambakkam(Post)
Thiruvallur (Dist.) - 602025
Tamil Nadu

Sub: NHA, PIU-Chennai - Balance works of four Lane from km 43+950(Thiruvallur Bypass) to km 61+470 (Veppampattu Bypass) passing through Thannerkulam, Thozur and Sevapet Bypass (17.520 Kms) of Tirupati-Tiruttani-Chennai Section of NH 205 on EPC Mode in the state of Tamil Nadu - **Source Approval for admixture - M/s. Sika India Limited- Provisional Approval- Reg.**

Ref: 1. Contract Agreement dated 21.07.2022
2. Contractor Lr. No. EKK/TVLB/SO/2022/005 dated 01.08.2022

Sir,

With reference to the letter submitted vide reference 2nd cited regarding source approval for admixture - **M/s. Sika India Limited**, based on the credential and observation of source, it is to inform that the provisional approval is hereby accorded for **casting test pile only** which is subjected to the following conditions:

- Trail mixes shall be conducted & shall be confirmed by using the above source of admixture for -structural concrete works, prior to use in permanent works.
- The above source of admixture shall meet all the requisite standards and specifications of MORTH/IRC, IS: 9103 and IS:6925.
- Every consignment brought to site should be supported with MTC.
- Before use of said materials. "Jointly Collected Samples", shall be tested in recognized NABL accredited laboratory for confirmation of Physical Properties, Chemical composition and other parameters and shall meet all the requisite standards and specifications of MORTH/IRC & IS for obtaining Final approval.
- Arrangement of factory visit for Inspection of manufacturing plant, quality control and internal laboratory facilities etc. is to be done.**

D:\Sathiya\205\Gen ltr.docx

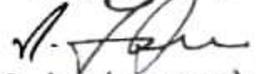
National Highways Authority of India

- vi. Stock/consumption registers of each product shall be maintained and shall be produced

The right to reject the above source approval without prior notices is hereby reserved if it is found that the material has failed to comply with the specifications or the above conditions.

This is for your information and necessary action please.

Yours sincerely,



(S. Janakumaran)

DGM (T) & Project Director
PIU - Chennai



Chennai Metro Rail Limited
(A Joint Venture of Govt. of India and Govt. of Tamil Nadu)

T. Livingstone Eliazer
Chief General Manager (PP & D)

Tel: 044 24378326
livingstone.eliazer@cmrl.in

Lr. No. CMRL/CON/DES/538/2023

Date: 08.05.2023

To Whomsoever it may concern

Sub: No objection to use the Products of **M/s Sika India Pvt. Ltd** in CMRL Projects
– Reg.

CMRL has "No objection" in usage of the following products of **M/s Sika India Pvt. Ltd** by the contractors of Chennai Metro Project, provided the quality of the products meet the specifications as stipulated in the Contract.

1. Bipolar Corrosion Inhibitor
2. Segmental glue
3. HDPE Waterproofing membrane
4. Curing Compound

The approval is subject to the following conditions.

1. This approval is here by accorded on the condition of maintaining of quality as per stipulated Standards.
2. Mandatory quality checks will be carried out as and when required so as to satisfy the qualitative requirements.
3. Satisfactory performance tests to be conducted as site/approved laboratory initially & from time to as per standard practice / codes and also as directed by the Engineer in-charge.
4. In case of negative feedback or deterioration in quality, this approval will stand cancelled automatically.
5. CMRL reserves the right to suspend the usage on the basis of review any time.

However, it will not be binding on CMRL or their Contractors in any way for the usage of the above products in the project.

For Chennai Metro Rail Ltd.

T. Livingstone Eliazer
08/05/23

CGM – Project Planning and Design

Copy to: DP/CMRL for kind information please.

METROS, Anna Salai, Nandanam, Chennai - 600 035.

Email: chennaiemtorail@cmrl.in / Website: www.chennaiemtorail.org

CIN : U60100TN2007SGC065596



ಬೆಂಗಳೂರು ಮೆಟ್ರೋ ರೈಲ್ ನಿಗಮ ನಿಯಮಿತ

(ಕರ್ನಾಟಕ ಸರ್ಕಾರ ಹಾಗೂ ಕೇಂದ್ರ ಸರ್ಕಾರ ಸಹಭಾಗಿತ್ವದ ಉದ್ಯಮ)
ನೋಂದಾಯಿತ ಕಛೇರಿ : ಬಿ.ಎಂ.ಟಿ.ಸಿ. ಕಾಂಪ್ಲೆಕ್ಸ್, 3ನೇ ಮಹಡಿ, ಕೆಂಗಲ್ ಹನುಮಂತಯ್ಯ ರಸ್ತೆ, ಶಾಂತಿನಗರ
ಬೆಂಗಳೂರು - 560 027, ಭಾರತ

Bangalore Metro Rail Corporation Ltd.

(A Joint Venture of Government of Karnataka & Government of India)

Regd. Office : B.M.T.C. Complex, 3rd Floor, K.H. Road, Shanthinagar,
Bangalore - 560 027. INDIA

No. BMRCL/0304/P-2/RT-04/2022/1198/ 7289

18-Aug-2022

To:

Project Manager,

M/s ITD Cementation India Limited,

Survey No.14,

Behind Baiyappanahalli Metro Station,

Railway Parallel Road,

Sadanand Nagar,

Bengaluru - 560038

Email: UG-RT04-BMRCL@itdcem.co.in

(Attn. Mr. Sanjay Kumar Singh)

Project : Design & Construction of Underground structures (Tunnels & Stations) of length 4.591 Km (approx.) from South of Tannery Road station to North Ramp (Ch. 16822.521 m to Ch. 21413.298 m) including allied works and 4 Nos. of UG Metro Stations viz., Tannery Road, Venkateshpura, Arabic College and Nagawara in Reach-6 line of Bangalore Metro Rail Project, Phase-2.

Subject : Vendor approval for M/s SIKA India Pvt Ltd-Reg.

- Ref :**
1. ITD letter No.420/AT048319/TNL&STN/BMRCL/RT-04/2020 dated 06-Oct-2020
 2. BMRCL letter No. BMRCL/0304/P-2/RT-04/2020/221/16529 dated 19-Oct-2020
 3. BMRCL letter No. BMRCL/0164/P-2/RT-04/2022/877/12955 dated 14-Feb-2022
 4. ITD letter No.2066/AT048319/TNL&STN/BMRCL/RT-04/2022 dated 04-Aug-2022

Dear Sir,

With reference to above subject, the vendor of M/s SIKA India Pvt Ltd for procuring curing compound submitted by you has been reviewed. The list of comments is enclosed. You are requested to incorporate the comments and resubmit the updated document for further process.

Thanking you,

Yours faithfully,

(Dayanand Shetty)
Chief Engineer (UG-2)

Encl: As above.



Bangalore Metro Rail Corporation Limited.
3rd Floor, BMTC Complex, K.H Road, Shanthinagar, Bangalore-560 027
Phone No.: 080-22969300

BANGALORE METRO RAIL PROJECT CONTRACT- : BMRCL/Phase2/Reach-6/UG/TNL&STN/(R6-CC-02)-RT04/2019/42

REVIEW COMMENTS- M/s SIKA

SI No	Reference for comments	Comments by BMRCL
1.	General	• BMRCL vendor format Part-2 is not attached.
2.		• Details of Supply made to any Metro/Railway Projects/Railways/Government Organizations shall be submitted.
3.		• Previous client approval letters and details of contracts executed /supplied in the last 3 years shall be submitted.
4.		• Third party test certificates of proposed product shall be submitted.

Handwritten signature in blue ink.



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)

No. MSV ARMENGE/HO/CHI-THA/2022/10

Dated: 18.04.2022

To,
The DGM(T) & Project Director,
National Highway Authority of India,
D.No.2-1273/1F, B.V. Reddy Colony,
Chittoor-517001, Andhra Pradesh.
E-Mail: - chittornhaipiu@gmail.com, piuchittoor@nhai.org.

Sub: - Independent Engineer Services for Supervision of Development of Six Lane Chittoor – Thatchur Highway from Km.0.000 (Varadharajulu) to Km.61.380 (Veera Kaveri Raja Puram) on Hybrid Annuity Made under Bharatmala Pariyojna in the state of Andhra Pradesh and Tamil Nadu on HAM Made (Package-I) – Source Approval for Admixtures applicable for the Project– Reg.

Ref: 1. KCC/KCCCHPL/FY2022-23/046
2. Concession Agreement

Dated.08.04.2022
Dated.10.11.2021

Dear Sir,

With reference to your letter no.1 dated.08.04.2022 regarding Procurement of Admixture initially you start your mix design with M/s Sika India Pvt. Ltd. admixture and M/s Fosroc Chemical India Pvt Ltd. After words we will examine the Performance of other brand of admixture and give our comment for the same.

So in this regard we grant our approval for M/s Sika India Pvt. Ltd. admixture and M/s Fosroc Chemical India Pvt Ltd. During supply of admixture MTC and Third Party test reports from NABL accredited laboratory kindly ensure that the relevant provisions of BIS/IRC Code /MoRT&H and NHAI Specification & Guidelines on the above mentioned subject as complied with.

This is for your information and necessary action Please.

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


(Subrata Mukhopadhyay)
Team Leader

Copy to: -

1. KCC Chittoor Highways Private Limited, Shambaram College, Mustipalli Village, Puthur Main Road G D Nellore, Chittoor, AP-517125.



LEA Associates South Asia Pvt. Ltd.

Pallivasal Street, Panaiyur,

Edaikazhindau,

Chengalpattu – Dist,

Email: lasamarakkanam@lasaindia.com, www.lea.ca

Corporate Identification Number: U74899DL1993PTC055750

No: LASA/73863/MM_TN/2023/002

Date: 09.02.2023

To,
Authorized Signatory,
M/S SPL ECR Highway Private Limited,
No-24, 1st Floor, Crescent Park Street,
Cheenai – 600 017, Tamil Nadu.
Email: info@splecrhighway.com

Subject: Four Laning of Mugaiyur to Marakkanam section of NH-332A from Km 31.000 to Km. 62.000 (Design Chainage) under Bharatmala Pariyojana Phase-I (Feeder Routes) on Hybrid Annuity Mode in the State of Tamil Nadu (Package-II of Mahabalipuram Puducherry section)
Provisional approval for admixture (M/s Sika India Pvt. Ltd.,) – regarding.

Ref.: Your Letter Ref: SIPL/NH-332A/MM/P2/06 Dated 06.02.2023.

Dear Sir,

The credentials and test certificates of concrete admixture from **M/s Sika India Pvt. Ltd.**, (having manufacture unit at Plant Factory No-23 GST road, Bukkathurai Village, Madhuranthagam Taluk, Chengalpet District – 603308 Chennai) submitted along with the above-cited letter under reference, is reviewed by IE and found satisfactory.

Hence, the source of **M/s Sika India Pvt. Ltd.**, is herewith provisionally approved and has "no objection" to procuring the "Admixture - SikaPlast -348 X" with the following conditions.

1. Admixture shall conform respectively to the requirements of IS 9103 & MORTH 1012.3.2
2. Invoice, Manufacturing test Certificate (MTC) and delivery challan should accompany with each Consignment. All records of Incoming, Consuming details on daily basis shall be maintained in the laboratory.
3. Joint samples shall be collected from the site and tested in an approved NABL accelerated Independent laboratory as per IS 9103 – 1999 (reaffirmed 2004) & MORTH 1012.3.2. Based on third-party lab test results and successful demonstration of the concrete design mix, final source approval shall be accorded.
4. Admixture shall be stored and protected as per required specifications. Further, frequency tests as per MORTH specifications shall be conducted and the report will be submitted to this office.

[Handwritten signature]
RF/LEA



LEA Associates South Asia Pvt. Ltd.

Pallivasal Street, Panaiyur,

Edaikazhindau,

Chengalpattu – Dist,

Email: lasamarakkanam@lasaindia.com, www.lea.ca

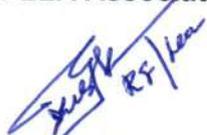
Corporate Identification Number: U74899DL1993PTC055750

5. In case of any abnormalities found during the execution of the supplied material, IE reserved all rights to withdraw this provisional approval at any time.

Hence, the concessionaire is advised to initiate the process of concrete mix design at the earliest.

Yours Sincerely,

For LEA Associates South Asia Pvt. Ltd.,


(J Marees Kumar)
Resident cum Highway Engineer

Copy forwarded to the following for information, please:

1. **Project Director** PIU, NHAI – Chengalpattu, No. 41/8A, 2/285, Second Floor, Velachery-Tambaram Main Road, Santhoshapuram, Medavakkam, Chengalpattu District – 600 073.
Email: piuchengalpattu@nhai.org, chengalpattupiu@gmail.com
2. **Independent Engineer**, LEA Associates South Aisa Pvt. Ltd., New Delhi

No: LASA/73863/MM_TN/2023/003

Date: 08.02.2023



L.N. MALVIYA INFRA PROJECTS PVT.LTD.,

In associatin with M/s. Intratech Civil Solutions & Consultant

Project Office : Plot No.150, Vallalar Main Road, Narasankuppam Village, Thirukalukundram Taluk, Chengalpattu District-603 127. Tamil Nadu.

Corporate Office : T-10, IIIrd Floor, City Centre, Press Complex, Plot No.1, M.P. Nagar, Zone-1, Bhopal (M.P.)-462011.

Email : Inmamallapuram456@gmail.com

Tel./Fax : 0755 - 4295421

CIN No.: U45201DL2010PTC373715

Ref .No: LNM/JSR ECR/NHA/Mamalla-Muga/2023-24/354

Dated. 12.04.2023

To,

M/s. JSR ECR Road Project Pvt.Ltd,

No. 17/8, Vijaya Raghava Road,

T.Nagar, Chennai-600017

Sub: Consultancy Services as Independent Engineer for Four Laning of Mamallapuram to Mugaiyur Section of NH-332A Km 0/000 to 31/000 (Design Chainage) under Bharatmala Pariyojana Phase-I (Feeder Routes) on Hybrid Annuity Mode in the State of Tamil Nadu – **Source Approval of M/s.Sika India Pvt Ltd – Concrete Admixtures – Reg.**

Ref:

1. Factory visit dated 05.04.2023.
2. JSR Lr. No. JSR ECR/HAM/IE/Site/2023/278 dated 25.02.2023.

Dear Sir,

With reference to the above cited subject, the Concessionaire vide letter referred Sl. No.02 has submitted the company profile, credentials and other supporting documents in context of source approval for supply of SIKA PLAST 348X Concrete admixtures produced by M/s.Sika India Pvt Ltd.

The submitted credential of above said Manufacturer was reviewed by IE and generally found in order.

Further IE team has inspected the factory on 05.04.2023 along with representative of the Concessionaire. Few relevant tests were carried out at in established Lab of Manufacturer on the proposed Admixture to be used. The test results were found meeting the requirement as per IS:9103-1999. During inspection the Quality Assurance system of Manufacturer was examined and found to be satisfactory.



Registered Office : Plot No.29, F/F Sector-11, Dwarka, New Delhi - 110078

Corporate Office : ● Bhopal ● Indore ● Mumbai ● Pune

In view of above provisional consent for the above said source is given by IE subjected to condition that

- Manufacturer test certificate (MTC) should be procured for each lot by Concessionaire and copy of same to be submitted to IE for review and record purpose.
- Only fresh lot should be procured for use on Project.
- Supply of each lot shall confirms to requirements of IS:9103, MORT&H Specifications, other relevant codes/ Manual and provisions of Contract Agreement prior to use.
- All test related to Admixtures should be conducted periodically at an NABL accredited laboratory and same should be compared with the results provided in the Manufacturer Test Certificate prior to use.
- The approval of source would be automatically withdrawn without any prior notice if any deficiency would be found in supplied Admixture on site.
- The final approval will be accorded after observing satisfactory performance of SIKAPLAST 348X Concrete on Project from the said source, meeting the "acceptance" tests required by the specifications, or as directed by the Independent Engineer.

This is for your information and necessary action.

With Regards,


P.Chandra Sekhar,


Team Leader, cum Sr.Highway Engineer,

L.N.Malviya Infra Projects Pvt.Ltd.

In Association with M/s.Infratech Civil Solutions & Consultant.

Encl: As above.

Copy to: 1. The Project Director, NHAI, PIU Chengalpattu, Tamil Nadu- 600073.
2. The CMD, LN Malviya Infra Projects Pvt Ltd, Bhopal.

Lr.No: THEME/NH-45A/WSNRPL/P -IV/21/4216
Date: 12.08.2022

To,

M/s. Welspun Sattanathapuram Nagapattinam Road project Pvt.Ltd,
 T. Manalmedu Village,
 Near Kalaimagal School,
 Thirukkadaiyur - 609 311.

Project : Four Laning of Sattanathapuram to Nagapattinam (Design Ch. Km123+800 to Km 179+555) section of NH-45A (New NH-32) in the State of Tamil Nadu under NHDP Phase-IV on Hybrid annuity Mode - **UPC: N/08019/04001/TN.**

Subject : Pavement Quality Concrete (M40-PQC) mix design – Reg

Ref : Concessionaire letter no. WSNRPL/IE/2022-23/PRJ/997 dated 27.07.2022

Dear Sir,

With reference to the above subject, the mix designs submitted by the Concessionaire for Pavement Quality Concrete (M40-PQC) with material as tabulated below has been reviewed by IE and test results are in accordance with MORT&H (fifth revision) specification and found in order.

Sl. No	Description of Material	Source of Material
1	Cement	Dalmia & Ultratech OPC 53 grade
2	Fine Aggregate (Sand)	Perambalur Quarry
3	Coarse Aggregate	Perambalur Quarry
4	Admixture	Fosroc Auramix 350 PQC,Tremco plastol 355 & Sika Plast 2008 PQ
5	Water	Bore well at km.124+450 RHS
6	Fly Ash	North Chennai Thermal Power station, NCTP (Chennai)

However, IE's consent to PQC mix design shall be accorded subjected to satisfactory site trial stretch and methodology.

This is for your information and necessary action.

Yours faithfully,

For Theme Engineering Services Pvt. Ltd.,


 (Joy Abraham)
 Team Leader.



CC: The Project Director, National Highways Authority of India, PIU, Puducherry.

Page 1 of 1

Lr.No: THEME/NH-45A/WSNRPL/P -IV/21/4178

Date: 18.05.2022

To,

M/s. Welspun Sattanathapuram Nagapattinam Road project Pvt.Ltd,

T. Manalmedu Village,

Near Kalaimagal School,

Thirukkadaiyur - 609 311.

Project : Four Laning of Sattanathapuram to Nagapattinam (Design Ch. Km123+800 to Km 179+555) section of NH-45A (New NH-332) in the State of Tamil Nadu under NHDP Phase-IV on Hybrid annuity Mode - **UPC: N/08019/04001/TN.**

Subject : **Concrete Mix Design trial of M-15 PCC, M-20 PCC, M-30 RCC, M-35 RCC, M-35 Pile and M-40 RCC– Reg**

Ref : Concessionaire letter no. WSNRPL/IE/2021-22/PRJ/892 dated 05.05.2022

Dear Sir,

With reference to the above subject, the concrete mix design submitted by the Concessionaire for Design trial of **M-15 PCC, M-20 PCC, M-30 RCC, M-35 RCC, M-35 Pile and M-40 RCC** with material as tabulated below has been reviewed and found in order.

S.No	Description of Material	Source of Material
1	Cement	Dalmia OPC 53 Grade
2	Fine Aggregate (M-Sand)	ARN Blue metals
3	Coarse Aggregate	ARN Blue metals
4	Water	Bore well at Km 167+600 LHS
5	Admixture	Sika CLD 358
6	Fly Ash	North Chennai Thermal Power Station

The Concurrence of the concrete mix design is subjected to the following:

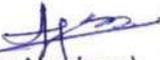
1. The Materials in the concrete mix should confirm to the test results and specification submitted in the mix design at all times in daily concrete production. Any deviation in test results of material, as submitted in the mix design or change in source of material, the mix design is to be revised.

Page 1 of 2

2. Confirmation test for sulphate content in bore well water at Km 167+600 LHS RMC Plant, shall be done by collecting joint sampling and witnessing of test by IE representatives.
3. The workability of concrete and retention should confirm to the workability submitted in concrete mix design during daily concrete production. If any change in workability of concrete during execution is observed, the concrete mix design has to be revised and submitted for approval.

This is for your information and action.

Yours faithfully,
For Theme Engineering Services Pvt. Ltd.,


(Joy Abraham)
Team Leader.



CC: **The Project Director, National Highways Authority of India, PIU, Puducherry.**



APARNA ENTERPRISES LIMITED

SURVEY NO 11(P) &17(P), RAIDURGA KHALSA, SERLINGAMPALLY

#MANDAL, RANGAREDDY # DIST, TELANGANA- 500008

GSTIN:36AABCA9108R1Z8



PURCHASE ORDER

PO :4500097750

Date:29.07.2024

TO
SIKA MBCC INDIA PRIVATE LIMITED
Plot no 1/1A,APIIC Industrial Park Menakur, Naidupet, Sriramulu
Nellore 524421,Andhra Pradesh IN
PH no: 7799902833
GSTIN / UID:37AAMCM9697A1ZW
EMAIL:ravi.goli@basf.com

Warehouse/ Unit:Apama RMC AQUA
Ph No: 6305646890
Email:aqua@aparnaenterprisesltd.com
Delivery Address
SURVEY NO 11(P) &17(P), RAIDURGA KHALSA,
SERLINGAMPALLY #MANDAL, RANGAREDDY # DIST,
TELANGANA- 500008

Ref:Ref Order No-4500097043

Please supply the undermentioned goods subject to Terms & Conditions mentioned in this PO & overleaf. Please quote this PO No. in all your supply documents.

S No	Material/OEM	Description	HSN	UOM	Qty	Basic Rate	Disc %	Discount Amt	GST %	Amt. in RS.
1	101000004558	Sika ViscoCrete-3705 Ease	382440	KG	20,000.000			0	18.00	

Sika ViscoCrete-3705 Ease

Delivery date: 28.07.2024 Schedule Quantity:20000.000

Freight Basis:F.O.R at Plant

Payment:within [redacted] days Due net

Sub-Total	[redacted]
Freight	[redacted]
Total Taxable Value	[redacted]
CGST	0.00
SGST	0.00
IGST	[redacted]
GRAND TOTAL	[redacted]

Value in Words: [redacted]

Quality / General instructions:

- 1.Material should be supply as per specification Mentioned above.
- 2.Material subject to inspection at our Site if any rejection of material should be retrun back at your own cost and replaced immediately with our any extra cost to us.
- 3.Original Invoice copies should be submitted along with material.Without invoice material not accepted.
- 4.Product Shelf life : 1 Year from the date of manufacturing (You must be maintained product shelf life minimum 9months from the date of material received at site.
- 5.Manufacturer test certificate should be submitted along with the material.
- 6.Barrels are on non returnable basis.
- 7.Transport charges shall be added in Invoice.

Please Mention GSTIN No, Shipping address and other details as per GST Act in Invoice

This document is a system generated from SAP ERP hence signature is not required.

Buyer details:

Contact Person:Sydeswara Rao S

Phone: 7993300688

Email Id: sydeswararao.s@apamaenterprisesltd.com



PURCHASE ORDER

ARUNACHALA LOGISTICS PRIVATE LIMITED
 AVTAR NIVAS, SRINAGAR COLONY MAIN ROAD, -500082
 Hyderabad INDIA
 Phones : 040-67751200

Supplier Address: Vendor Code: 800048 Vendor Name:SIKA MBCC INDIA PRIVATE LIMITED SIKA MBCC INDIA PRIVATE LIMITED Naidupet Andhra Pradesh - 524221 Tel: Email: GST NO : 37AAMCM9697A1ZW	Bill To: Arunachala Logistics Pvt.Ltd. (RMC RAMPALLY) SURVEY NO: 312 & 315, RAMPALLY (V), KEESARA (M), Medchal District, Telangana, Pincode: 501301. 36AAGCS1855C1ZI	Ship To: Arunachala Logistics Pvt.Ltd. (RMC RAMPALLY) SURVEY NO: 312 & 315, RAMPALLY (V), KEESARA (M), Medchal District, Telangana, Pincode: 501301. 36AAGCS1855C1ZI	Purchase Order Information: PO Number : 502066532 Purchase Date : 05.07.2024 Contact : SRINIVAS / ISMAIL Telephone : 040-67751202/10/11 Email : purchase3@arunachala.biz purchase2@arunachala.biz
--	--	--	--

S No	HSN/SAC Code	Description	UOM	Qty	Unit Price	Discount	CGST	SGST	IGST	Amount
3	38244010	MASTER PLOYHEED 8930(SikaPlast® PH 8930)	KG	5,000.00	██████	0.00	0.00 % 0.00	0.00 % 0.00	18.00 % ██████	██████
7		Transportation Charges (Freight)	NOS	5,000.00	██████	0.00	0.00 % 0.00	0.00 % 0.00	18.00 % ██████	██████
TOTAL						0.00	0.00	0.00	██████	██████

Freight 0.00

Total P.O. Value (In words) : ██████████	Grand Total ██████████ INR
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Payment Terms :

Dispatch Instructions :

Delivery Terms :

IncoTerms :

Instruction To Vendor:

- 1) Payment will be done on only GST upload confirmation, GST amount should upload before 11th of every month.
- 2) Invoice must be accompanied at the time of delivery of goods.
- 3) Invoice should be prepared in the name of as above
- 4) Delivery Note, Invoice should have our Purchase Order Number
- 5) Payment will be done on receipt of the Original Invoice from the Vendor
- 6) The Above prices are valid until delivery of entire quantity of all items.
- 7) Goods receipt for all the delivery will have conditional acceptance for quality verification by authorized person at delivery site.

If the quality is not as per the requirement, ALPL has all rights to return the material within 7 days of delivery.

Authorized Signatory



AURO INFRA™

PURCHASE ORDER

To, STELLENCE INFRA TECHNOLOGY PRIVATE LIMIT GROUND FLOOR,UNIT 8., BUILDING B,RAJLAXMI, AGRA ROAD,KAHLER BUIDLING B BHIWANDI, Thane, Maharashtra, India, 421302 GST : 27AASCS0661E1Z7 Phone : + 91-9136988181 Email : amit@stellence.in	Order Number : 6000007340 Order Date : 07.03.2024 Project : Ramayapatnam Port Vendor No : 41001531 Payment Tems : Delivery Date : 20.02.2024 Delivery Terms : As Per Site requirement Freight Terms : FOR-Site Insurance : Included
--	--

Ship to: Auro Infra Private Limited (Formerly known as Aurobindo Realty & Infrastructure Private Limited) 27-5-429, Ravuru Panchayithi, Modivaripalem Village, Gudluru Mandal, Ramayapatnam, SPSR Nellore, Ramayapatnam, Andhra Pradesh, 523291, India GST No: 37AAOCA6755B1ZJ	Bill To: Auro Infra Private Limited (Formerly known as Aurobindo Realty & Infrastructure Private Limited) 27-5-429, Ravuru Panchayithi, Modivaripalem Village, Gudluru Mandal, Ramayapatnam, SPSR Nellore, Ramayapatnam, Andhra Pradesh, 523291, India GST No: 37AAOCA6755B1ZJ
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S No	HSN/SAC Code	Item Code	Item Description	UOM	Qty	Unit Price (Rupees)	Value (Rupees)
1	38241000	2000006764	CURING COMPOUND SIKA- ANTISOL A4 WHITE	LTR	20,000.00	IGST @ 18.00 % Total Value	
Total Basic Value: INR							
Total Freight Value: INR							0.00
Total Tax Value: INR							
Total TCS Value: INR							0.00
Total Order Value: INR							

Amount in words: [REDACTED]

Repeat Order 6000003824 dated 17.10.2023

DRAFT

Auro Infra Private Limited

(Formerly known as Aurobindo Realty & Infrastructure Private Limited)

Registered Office: 21st Floor, Wing A, Galaxy, Plot No.1, Sy.No.83/1, Hyderabad Knowledge City, Raidurg(Panmaktha), Hyderabad - 500081, Telangana, India.

Phone: 040-46704600 Email id: info@auroinfra.com



Village : Nandigaon, Patancheru
Mandal
Hyderabad-502300
Hyderabad-Telangana (India)
CIN : U26990TG2019PTC136901

PURCHASE ORDER

Vendor Code:0010020907
SIKA INDIA PVT LTD
PLOT NO. 916,,JHAGADIA IND ESTATE, GIDC
JHAGADIA,
TAL. JHAGADIA, DIST BHARUCH,,
JHAGADIA-GUJARAT-393110-Gujarat
Ph.No.:9987585221
Mb.No.:022-40384038
Fax No.:022-40384039
E-mail:PATI.SUJIT@IN.SIKA.COM
PAN NO:AAECS1119F
GST No:24AAECS1119F1ZU

P.O.No.:JGCPL/GANDIMAI/24-25/2820001133
P.O.Date:31.05.2024
Type:RM-DOM

Supply of HIGH PCE Admixtures for Patancheru Plant for FY 2024-25

Dear Sir/Madam,

We are pleased to place the order as per below mentioned price, terms & conditions.

ALL THE PRICES MENTIONED BELOW ARE IN # INR #

SR. NO.	ITEM CODE DESCRIPTION/ SPECIFICATION	UOM	QTY.	UNIT PRICE	TOTAL BASIC VALUE	DELIVERY SCHEDULE
1	HIGH_PC_ADMIXTURE RAW MAT,CHEMECAL,CHEM_CONSTR_ADMIX HPCE	KG	150000.000			31.03.2025

RAW MATERIAL ,TYPE:CHEMECAL;SPECIFICATION:CHEM_CONSTR_ADMIX HPCE;ADDITIONAL INFORMATION:HPCE CHEMICAL
,CONSTRUCTION,TYPE:HPCE ADMIXTURE;MATERIAL:SUPERPLASTICISER;BASE:POLYCORBOX YLIC;CONTAINER:TANKER

, HSN Code : 38244090

Total Basic Value :

Total Basic Value (In Figures):

Thanking you
Yours Sincerely
For JSW Green Cement Private Limited.

Authorized Signatory

Commercial Terms and Conditions

PRICE BASIS: Free on Road / Rail

PAYMENT TERMS:Payment in 60 days from Invoice date

1. Send all correspondence to: Dhanashree Patil Email # dhanashree.patil@jsw.in Phone Fax:
2. JSW Cement Ltd is an environment friendly company.Your acceptance of Order assumes that your services will not cause any environmental damage.
3. In case of any conflict in any specific Terms & Conditions between the General Terms & Conditions and this Work Order, the terms contained in this Work Order shall Prevail.

PURCHASE 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.lntec.com>
Email :

ORDER NO. : LE/LE171010/POD/24/000907
PO DATE : 04-Apr-2024
LATEST AMENDMENT NO : -
AMENDMENT DATE : -
VALUE : ██████████ INR
STATUS : **AUTHORIZED**



Order Essentials

Job : LE171010 - VIH-PH
Payment Centre : SZ000010 - Shared Services Centre - Accounting Center
Type : Revenue and Domestic
Purchase Group : Project
Delivery Period : 01-Apr-2024 to 31-Jul-2024
RFQ No. : LE/LE171010/RFQ/24/001050
BQ No. : 4

Vendor Details

Name : VMS00781 - SIKA INDIA PRIVATE LIMITED
Address : GSTin Address: 33AAECS1119F1ZV
State : Tamil Nadu - 0
Country : India
Country of Origin : India
Mobile : 7702022788
Phone : (033) 446 6594, 447 2448,
Email : mukherjee.santu@in.sika.com
PO Accepted : No

Statutory Details - Job

GST : 37AAACL0140P1Z1
GST State : Andhra Pradesh
Vertical : Larsen & Toubro Limited, Construction

Statutory Details - Vendor

GST : 33AAECS1119F1ZV
GST State : Tamil Nadu
Vertical :

Billing To

LE171010 - VIH-PH
O LARSEN & TOUBRO LIMITED,INS VARSH
RAMBILLI MANDALAM,NEAR ATCHUTAPURAM
VISAKHAPATNAM DISTRICT,AP531061
Visakhapatnam
Visakhapatnam
Andhra Pradesh
India - 531061 .

Shipping To

5400 - CONSTRUCTION OF INNER HARBOUR FOR
PROJECT
LARSEN & TOUBRO LIMITED,INS VARSH
RAMBILLI MANDALAM,NEAR ATCHUTAPURAM
VISAKHAPATNAM DISTRICT,AP531061
Visakhapatnam
Visakhapatnam
Andhra Pradesh
India - 531061.

Nature of Scope

Admixture SIKA viscoflow 5133 NS. Admixture SIKA viscoflow 5133 NS with MSDC & MTC (255 kg Barrel). Packing material Returnable. MATERIALS SUBJECT TO INSPECTION AT OUR SITE AND REJECTION IF ANY SHALL BE TO YOUR ACCOUNT & YOU HAVE TO REPLACE IT WITHIN SPECIFIC TIME AT NO ANY EXTRA COST. PL MENTION PO NO. PO DATE, OUR GST NO.37AAACL0140P1Z1 ON YOUR TAX INVOICE. If any cost implication to L&T on GST account because of vendor default on filing of GST returns, no GST No. , wrong GST No., mismatch of GST No. etc., the same shall be recovered from agency supply bills or from any other pending /future bills

Refer Annexure Details

Delivery Schedule, Itemwise Tax Details



NISA INFRA

Authorised Project Distributor of SIKA Master Builders Solutions India Pvt Ltd.

Ref No: Nisa/24-25/27

Date: 03.08.2024

Purchase order

To,
M /s. SIKA MBCC INDIA PRIVATE LIMITED..

Kind Attn: Mr. Manoj

SL. No	Description of Goods	Pack Size in kgs	Requird qty	Price	Amount
1	MasterGlenium 8609	Tanker	20000kgs		

Terms & Conditions:

- Price Basis: The price above is **EXclusive** of GST 18% which shall be charged extra.
- Transportation: Extra Rs. ■■■ kg
- Mode of Dispatch : Dispatch from **Nellore Plant**.
- Payment Term: 60days Cr.
- GSTIN: 36AWRPD4142P1Z1.
- Billing Address : M/S NISA INFRA,176/B, IDA ,MALLAPUR, Hyderabad Telangana.
- Delivery Address: M/s. NISA INFRA, Chegincherla, Mallapur, Nacharam, Hyderabad, Telangana-500076.

For

M/s. Nisa infra

Raju.

RAMKY INFRASTRUCTURE LIMITED

Address :
 Ramky Grandiose, 15th floor
 Sy.No: 136/2&4, Gachibowli
 Hyderabad - 500032
 Telangana, India



PURCHASE ORDER

Vendor Details: Code - 1016987 Dhairya Marketing Llp Basheerbagh Square, 2nd 3 6 322 Chamber No 206,,Mahavir House, Hyderabad - 500029 jrbabaria@vrajindia.com		Billing To: RIL - STP: Nagole, 320 MLD Nagole Nagole Hyderabad - 500068 Site A/c Contact No: CIN L74210TG1994PLC017356		Shipping To: RIL - STP: Nagole, 320 MLD Nagole Nagole Hyderabad - 500068 Site Stores Contact No: PO No 100127888	
GSTIN 36AAUFD5686M1ZF	GSTIN 36AAACR9627B1ZH	PO Creation Date	24.04.2024		
PAN AAUFD5686M	PAN AAACR9627B	PO Approved Date			
Ref Quotation QO-040/MAR	Plant Code 1165	Amendment No / Date	0 /		
State of Origin Telangana	Destination State Telangana	Purchase Req	1000077345		

Please supply the under mentioned goods, subject to standard terms and conditions stated in annexures and any special conditions included in the Purchase Order (PO).

S.No.	Item Description	Quantity	Net Price	SGST/UGST%	CGST%	Tax Value	Net Value
1	100026546 [REDACTED] Sika Viscocrete 3705 HE Ease ----- HSN: 38244090, UOM: KG	20000.000	[REDACTED]	9.00	9.00	[REDACTED]	[REDACTED]

Sub Total

Sub Total with Taxes, P & F, CESS, After Discount : [REDACTED]

Grand Total : [REDACTED] (Indian Rupee)

Amount in words : [REDACTED]

Packaging And Forwarding Charges (P&F) : 0.00	Delivery Terms : CFR / Cost & Freight Included.
Total Discount : 0.00	Delivery Date/Schedule : 30.04.2024
Taxes and Duties : GST @ 18% as shown above.	Payment Terms : 30 days credit from the date of receipt of materials at site subject to submission of Invoice

Special Instructions if any:
 1. Price escalation: prices are firm till completion of the entire Ordered quantity
 2. Empty barrels on returnable basis.
 3 Delivery: As per site schedule.
 4. Freight: Included.
 5. You will provide test certificate along with material. Make: BASF

Important:
 For supplies, please contact Mr. Kamal Mob. [REDACTED] & [REDACTED] email: kamalkishore.singh@ramky.com Mr. Raju, Mob No. [REDACTED] and email - store.stpnagole@ramky.com

GENERAL CONDITIONS OF PURCHASE

- 1. ACCEPTANCE:** The Seller shall acknowledge the receipt of the Purchase Order within seven days following the mailing of this order by the Buyer and shall thereby confirm its acceptance of this Purchase Order in its entirety without exception. This Purchase Order, together with any documents incorporated herein by reference, constitutes the sole and entire agreement of the parties with respect to this Purchase Order and supersedes all prior and/or contemporaneous understandings, negotiations, representations, warranties, and communications, both written and oral, in connection with the subject matter of this Purchase Order. The Terms and conditions of this Purchase Order expressly exclude any of Seller's terms and conditions of sale or any other document issued by Seller in connection with this Purchase Order. This Purchase Order shall be deemed unconditionally accepted by the Seller upon the passage of seven days after communicating this Order to Seller unless the Seller notifies the Buyer of its non-acceptance of the same in writing well before the expiry of such seven days' time.
- 2. SPECIAL CONDITIONS:** 'Special Conditions of Purchase' attached to this Purchase Order, if any, shall be read in conjunction with these 'General Conditions of Purchase' and all other related documents forming part of this contract. Where any portion of the 'General Conditions of Purchase' is repugnant to or at variance with any provisions of the 'Special Conditions of Purchase', then 'Special Conditions of Purchase' shall be deemed to override the provisions of the 'General conditions of Purchase' and shall to the extent of such repugnancy or variance, prevail. The terms found on the face of this Purchase Order shall govern over the terms and conditions herein.
- 3. DELIVERY:** Time of delivery as mentioned in the Purchase Order, shall be essence of the contract. Seller shall deliver the Goods and/or perform the Services at the delivery

SHREE CEMENT LTD.

Registered Office: Bangur Nagar, Beawar, Rajasthan-305901

CIN: U26940RJ2021PTC075323 Ph: 01462-228101-6 Fax: 01462228117/228119 E-mail: shreebwr@shreecement.com

09/08/2024

M/s Sika India Pvt. Ltd

Factory : No.23, GST Road, Pukkathurai Village,

Madurantagam Taulk, Kanchipuram (Dt),

Tamil Nadu - 603308

Tel : +91- 44-28340467/68/69/70

Sub: - Order for Supply of Admixture @ Hyderabad RMC Mankhal Plant

Sir, with reference above referred subject, we are pleased to award order with following terms & conditions:

1. **Contract Value & Rate:** The tentative order value will be Rs. [REDACTED] + GST Extra

Description	Qty In Kgs	Rate (Excluding GST)	Amount (Rs.)
Sika Plast 646 X (Formerly Known as Master Polyheed ASTP 382) Mid PCE Admixture	10000	Rs. [REDACTED]	[REDACTED]
Sika Viscocrete Sky 8321IN (Formerly as Master Glenium Sky 8321IN)	4830	Rs. [REDACTED]	[REDACTED]
Total			[REDACTED]

2. **Payment:**

- i. 30 days from the date of submission of the bills to our commercial department.

3. **Mode of Measurement:** The mode of measurement of the volume delivered shall be as per the quantities mentioned on Batch Sheet / Weighment system duly certified by SCL EIC or quantity delivered by Shree Cement to Contractors jointly verified by SCL EIC and respective contractors. However, at the time of final billing, the overall quantity of RMC shall be reconciled with quantity supplied by M/s Sika India Ltd.

4. **Goods & Service Tax:** GST shall be paid against submission of proper invoice/documents. You will raise your proper invoice incorporating PAN & GST registration number. A copy of GST challan along with an acknowledgement copy of the online GST return should be submitted to our Accounts department monthly / quarterly as applicable.

5. **TDS:** TDS (if applicable) and other applicable taxes shall be deducted from your monthly running bills/payments as per prevailing government rules / applicable rates.

6. **Statutory Levies:** The prices given by you are inclusive of all tax rates, royalty, and GST on material. You must ensure that you make all such statutory payments in due time & manner. SCL will not be responsible for any further demand by Govt. authority for such non/delayed payment. No price variation on labour, material, taxes, royalty, GST and or any other levies shall be allowed during the entire project period. Labour Cess / BOCW cess and ESI if applicable for this project, then contractor shall bear the liability.

7. **Liquidity Damages for Late supply:** It is agreed that the time is the ESSENCE of the order and you have agreed to supply the required material well within the time frame as instructed by EIC. However, in case of delay in supply, the liquidated damages will be recovered @ 0.5% (Zero point five percent) per week subject to maximum of 5% (Five percent) of actual billing / work order value whichever is higher. GST if any shall be charged separately.

8. **Reconciliation of Material:** Monthly statement of material issue/consumption should be provided by you along with each running bill. However, along with the final bill, you will submit Reconciliation Statement in totality.

Invoice Address:

SCL Invoice Address	Contact Details
Shree Cement Limited Plot No. 29, Sy. No. 460, I.D.A. Mankhal Village, Mankhal Panchayat, Maheshwaram Mandal, District Ranga Reddy, Telangana - 501359 GST No.: 36AACCS8796G1ZS, PAN No.: AACCS8796G	Mr. PEELA KUMAR Mo. No.: 8919032939

Please sign a copy of this work order & send it back to us as a token of your acknowledgement and acceptance.

Thanking You,
For Shree Cement Limited

Sohan Bansal

Head - F&C (RMC)

2nd Floor, House No. 6-3-243/2/A,
PVR Chambers, Road No. 1, Banjara Hills,
Hyderabad-500 034, Telangana.

Accepted: (Seal & Sign)
M/s Sika India Ltd.

(Authorized Signatory)



ORDER TYPE	SBU & PROJECT NAME	ORDER NUMBER	ORDER DATE	AMENDMENT NUMBER	AMENDMENT DATE
PURCHASE ORDER	ENERGY & RESOUR(E&R) 500049-OGH-KG-DWN 98/	5500011888	24.04.2024		

Vendor Name	22025100 SIKA INDIA PRIVATE LIMITED				
Vendor Address	Industrial Estate New 15, 1/b, Kalyani, Nadia Nadia 741235 09937362858				
Vendor Contact Details-1	ameenjirubber@gmail.com	Vendor Contact Details-2			
Vendor PAN Number	AAECS1119F	Vendor MSMED Registration Number			
Vendor GSTIN Number	19AAECS1119F1ZL	Buyer Company GSTIN Number		37AAACT4119L1Z7	
ABG-CPBG-		Inco Terms		CPT-KAKINADA	
Buyer's Contact Details	Tushar Suresh Salvi tusharsalvi@tataprojects.com				
Order Annexures	Annexure 1	Schedule of Quantity, Item and Price		6 Pages Integrated Part of this document	
	Annexure 2	Specific Conditions of Contract (SCC)			
	Annexure 3	Payment Terms			
	Annexure 4	Shipment Instructions			

Dear Sir/Madam,

Subject: PURCHASE ORDER FOR SUPPLY OF SIKA GROUT 214 IN FOR ONGC KAKINADA

Reference:

Previous WO Ref. - SBU - O & G (OIL, GAS & HYDROCARBONS)/KG DWN 98 2 PROJECT/500049/18813 dtd. 17-Jan-2023.

With reference to the above, we are pleased to issue this Order for the subject requirement as per the documents enclosed herewith as Annexures and the terms and conditions as detailed below. The technical specification sent along with the RFQ, Subsequent clarifications, MOMs (if any) and all other terms and conditions (except otherwise specifically agreed to in writing) as specified here under and to be read along with attached annexures shall form an integral part of this Order.



ORDER TYPE	SBU & PROJECT NAME	ORDER NUMBER	ORDER DATE	AMENDMENT NUMBER	AMENDMENT DATE
PURCHASE ORDER	ENERGY & RESOUR(E&R) 500049-OGH-KG-DWN 98/	5500011888	24.04.2024		

ANNEXURE 1: SCHEDULE OF QUANTITY, ITEM AND PRICE

All Prices and Amounts in the below table are in (INR -Indian Rupee)

Sl.	Item Code	HSN / SAC Code	Tax Rate (%)	Item Description	UOM	Quantity	Unit Price	Tax Amount	Amount
10	2300209025	995454	18.00	GROUT-30 KG BAG-SIKA 214 S-SIKA	Bag	750.000			
Total Contract Price Excluding Taxes									
Total Taxes									
Total Contract Price Including Taxes									
Amount in Words: (INR -Indian Rupee)									

For TATA PROJECTS LIMITED,
Authorised Signatory(ies)

TATA PROJECTS LIMITED

One Boulevard 2nd 3rd & 4th Floor Lake Boulevard Street Powai Mumbai 400 076

Tel +91 22 6740 2900 Fax +91 22 2570 0174

e-mail tpimumbai@tataprojects.com www.tataprojects.com

Megha Engineering & Infrastructures Ltd.

An ISO 9001-2015 Company

S-2, Technocrat Indl. Estate, Balanagar, Hyderabad-500037, Telangana, INDIA

Tel: +91-40-44336700 Fax: +91-40-44336800

E-mail: info@meil.in Visit us: www.meil.in U45202TG2006PLC050271

PURCHASE ORDER

PO No: MEIL/TIMS/1329/2023-24/158

Date: 18.10.2023

To,

M/s.VR Associate,

Hyderabad.

Email Id: mukherjee.santu@in.sika.com.

Contact Person: Mr. Santu - 77020 22788.

Dear Sir,

Sub: Purchase Order for Supply of Admixture- TIMS, Sanath Nagar Project Site.

Ref: Your final quotation mail on 16.09.2023.

With reference to your above mentioned offer and subsequent discussions, we are pleased to release this PO for supply of below items with the following terms & conditions mentioned below:

SL. NO	MATERIAL DESCRIPTION	UOM	QTY	UNIT RATE (Rs.)	TOTAL AMOUNT (Rs.)
	Admixture for Concrete:				
1.	Admixture. Product Code: Sika Plast 469 PR. Make: SIKA. Empty Barrels Returnable Basis.	KGS	5000		
	Total:		5000		
				Packing Charges:	Inclusive
				Transportation Charges:	Inclusive
				CGST@9% & SGST@9%:	
				Grand Total Amount (Rs.):	
PO Value In Words: [REDACTED]					

[Handwritten Signature]

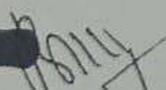
Terms & Conditions:

1. Price Basis:	The above total amount is included of GST & Transportation Charges.
2. Packing, Freight & Transit Insurance:	Included in the above price.
3. Payment Terms:	100% of order basic value with taxes shall be paid within 45 days from the date of the materials supply at site & receipt of GRN.
4. Invoice Address:	M/s.Megha Engineering & Infrastructure Limited, S-2, TIE, Balanagar, Hyderabad - 500037, Telangana. GST No: 36AAECM7627AA1ZO.
5. Delivery Address:	M/s.Megha Engineering & Infrastructure Limited, TIMS-Super Speciality Hospital, Near to ESI metro station, Pillar no 1009, Government chest Hospital Inside, Sanath Nagar, Hyderabad. Contact No: Mr.Veeranjaneyulu - 75748 81188.
6. Delivery Schedule:	Immediately.
7. Compliance of GST and Bills accounting:	You have to mention the GST number as a mandatory on each and every invoice which you have raised on MEIL name against our purchase order. As per the latest development of GST law, Supplier has to files GSTR 1 return (i.e sales declaration) on or before 11 th of the subsequent month for supplies made in previous month. The same GSTR 1 return has to be submitted to MEIL for further process on every month. Strictly comply the GSTR 1 return will help to avoid the statutory compliance.
8. Inspection & Rejection:	The material should be in accordance with the description and specification of this Purchase order. Inspection of material shall be carried out by MEIL at your works. Any quality/manufacturing issues observed during inspection, the same shall be rejected. "Testcertificates/Tech Data Sheets/WC shall be provide along with Material".
9. Test Certificates:	You should submit along with materials.
10. Order Acceptance:	Please confirm your acceptance within 3 working days on the issue of this order, failing which it will be deemed that you have accepted this P.O.
11. Dispute Resolution:	Any dispute arising out of this Purchase Order shall be subjected to Hyderabad jurisdiction.

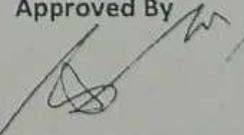
Thanking you,

Yours faithfully,

For Megha Engineering & Infrastructures Ltd.,


B.Srinivasa Reddy
Director (BD & P)

Approved By


G. Siva Kumar
Vice President



NCL INDUSTRIES LIMITED

NCL Pearl, 6th & 7th Floor,
Near Rail Nilayam, S.D. Road,, Secunderbad 500 026

Tel 04030120000

RMC RAMPALLY

SY.No.281(P) & Sy No 282(p), Rampally Village,Keesara Mandal ,Medchal
Dist.,Hyderabad-501301,Telangana,INDIA

GSTIN : 36AAACN7002L1ZJ

PURCHASE ORDER

PO. No. : PO-RMCRAM-2024-05-7 Date : 30-May-2024 Currency : Indian Rupee

Vendor Code : V-8706
Vendor Name : SIKA INDIA PVT. LTD.
Address :
23, Rajpalani Complex, GST Road, Bukkathurai,
Madurantakam Taluk,
KANCHEEPURAM 603308
Tamil Nadu INDIA
Tel :
Email : a@gmail.com
GSTIN : 33AAECS1119F1ZV

Your Quotation No. :
Your Quotation Date :
Remarks : Repeat Order No: PO-RMCKWG-2024-01-3

Dear sir,
We are pleased to place our order on you for supply of the following materials as per the stipulated terms and conditions

SNo	Ref No.	Item Code / HSN Code / Item Description	Delivery Date	Quantity	UOM	Unit Rate	Total Value
1	PR-RMCRAM-2 024-05-12	P690500050 / 38244090/ CONCRETE ADMIXTURE	3-Jun-20 24	10000.00	KGS		
						Gross Total	
						Net Total	

Rs in Words : [REDACTED]

Price : FOR our plant Rampally
Packing & Forwarding : NA
TAXES : GST Extra as applicable
Insurance : At your cost
Payment : 30 DAYS CREDIT
Inspection : At our works
Freight : Inclusive
LD :
Authorized Transporter Name :
Guarantee : MATERIAL SHOULD BE AS MENTIONED
IN ANNEXURE
Warranty : NA
Billing Address / Destination : NCL INDUSTRIES LIMITED,
SY.No.281(P) & Sy No 282(p),
Rampally Village, Keesara Mandal
,Medchal Dist.,Hyderabad,INDIA,
501301
PI.NO : PR-RMCRAM-2024-05-12
PI.Date : 25-May-2024
Annexure : • Grade Of Admixture -SikaPlast 495 PR (MID - PCE)

Other Conditions : 1. HSN Code of the Item/ SA Code of the Service to be provided in Invoice and in all other Documents.
2. Any denial/rejection of Input Tax Credit under GST Laws due to Non-Submission/Insufficient/Incorrect
Details , will be to your Account. 3. General Purchase Order Terms: Enclosed.

All disputes subject to Hyderabad jurisdiction

For NCL INDUSTRIES LTD

Authorised Signatory

Verkalesh Choudhary

GENERAL PURCHASE ORDER TERMS:

The Supplier is encouraged to scrutinize this Purchase Order thoroughly before acceptance. If the Supplier objects to any terms and conditions of this

DRAFT PURCHASE ORDER AMENDMENT

Amended PO No.: 410008742972 / Date: 27.07.2024

Plant Code No: 2153 / My Home Infra RMC Plant

BILL TO:
My Home Infrastructures Pvt Ltd
 8th Floor, 3rd Block, My Home Hub
 Hyderabad - 500081
 State: Telangana
 Phone: 040-66398686/90
 E-mail: myhomecons@rediffmail.com

SHIPPED TO : My Home Infrastructures Pvt Ltd
 MHC Infra RMC Plant
 Survey No 475 to 480 Manmole(V),
 Ranga Reddy District-502032
 State: Telangana
 Phone:
 Contact
 Mobile No.

VENDOR CODE: 105343
Tanishqa Infratech
 #A-201 Akshay Comforts, Akshay Colony, Hubli
 Dharwad Dist
 Karnataka - 580030, State: Karnataka
 Phone :
 E-mail: tanishqa@infratech2019@gmail.com
 Contact: Mr Ravikant Patil Mob: 8884620447
 Vendor Ref No.

OUR TAX DETAILS :

GST NO : 36AAF02179L1Z3
 PAN NO : AAF02179L

VENDOR TAX DETAILS

GST NO : 29AVPPP7740L1ZM
 PAN NO :

Dear Sirs,
 In continuation to our above order cited under reference we wish to inform you that the order is being amended as shown below. This is for your information and other terms and conditions will remain unchanged.

Sl No.	Material Code	HSN Code	Material Description	UOM	Quantity		Rate (INR)		Amended Amount(INR)
					Previous	Amended	Previous	Amended	
1	30066465	3824	Basf Master Glenium Sky-8662 Make: "Sika"	KG	35,000.000	50,000.000			
			IGST @ 18.00 %						
Sub Total (INR)									
Loading - Inclusive		Loading		0.00	Insurance		0.00		0.00
Unloading - Inclusive		Unloading		0.00	Custom		0.00		0.00
Freight - Inclusive		Freight		0.00	Others		0.00		0.00
TOTAL AMOUNT (INR):									

AMOUNT IN WORDS: [REDACTED]

STANDARD TERMS & CONDITIONS:

- a) Please acknowledge receipt of order and confirm the delivery Schedule.
- b) We request you to sign the copy of the order and mail us at the earliest. This is necessary for our updating and payment purpose.
- c) Basic amount will be released as per mutually agreed credit period. Tax amount will be released after your uploading the invoice on Tax portal.
- d) Tax invoice should contain PO Number & date, Delivery address, Invoice No, Date, Vendor GST No, Recipient GST No, HSN Code, Place of Supply and State. If not material is bound to be returned.
- e) By any reason, if input tax credit is denied, the same amount will be debited to vendor account with interest.
- f) If there are any damages/shortages of material or discrepancies in invoices, and if the material is accepted at our end, payment will be made only after certificate of documentation by way of credit/debit notes.
- g) Please indicate your Bank account details as your invoice for making the payment through RTGS/NEFT.
- h) Test certificates should accompany with each and every consignment.

TERMS & CONDITIONS

1. Payment terms:

100% Payment will be made within 30 days from the date of receipt of the material at our site duly certified by our concerned person

2. Delivery Schedule:

Immediate

3. Other Terms & Conditions: Note: Empty Barrels on returnable basis



STEDRANT TECHNOCLINIC PVT. LTD.

(Construction Materials Testing Laboratory)

Office / Lab : Shed No. F-3/A, Street No. 10, IDA, Nacharam, Hyderabad - 500076

Mob : +91 9000085790, +91 9000095790, +91 9908875790, +91 9908065790

E-mail : labhyd@stedrant.com www.stedrant.com

CIN: U74999KA2017PTC100477 GST No.: 36AAYCS1231L1ZV

STPL

Job order / Report No. CUBE: STPL/HYD/185/07/2024-25/1

Date: 17.07.2024

Job order Dated: 11.07.2024

M/s. SIKA INDIA PRIVATE LIMITED.

Plot No - D 101/2, TTC Industrial Area,

Shiravane, Nerul, Navi-Mumbai, Maharashtra.

WATER PERMEABILITY TEST (WPT) RESULTS ON HARDENED CONCRETE CUBE SAMPLES

Source of sample : Sample supplied by the customer
 Customer's Reference : Letter No., Dated. 10.07.2024
 No. of samples Tested : 03 (Three only)
 Material received on : 11.07.2024
 Period of Test : 13.07.2024 to 16.07.2024
 Condition of samples : Satisfactory
 Technical reference : BSEN 12390 (Part 8) - 2006

Sl. No.	Identification/ Grade of Concrete/ Name of the supplier/ Location/ Date of Casting/ Age *	Test Results		Requirements for Water Penetration test as per ANNEX-B of IS 16700: 2017
		Depth of Water Penetration (mm)	Average Depth of Water Penetration (mm)	
1	Grade: M-30 Casting Date : 24-05-2024 Age: More than 28 days	8	10	a) Foundations - Max. 15 mm b) Super Structure - Max. 20 mm
		9		
		12		

*As furnished by the customer

- Note:**
1. The results relate only to the items tested.
 2. Report shall not be reproduced except in full, without the written approval of the laboratory.
 3. Any corrections invalidates this report

For STEDRANT TECHNOCLINIC PVT.LTD.

17.07.2024
AUTHORISED BY
AUTHORISED BY

**** END OF REPORT ****

 **SOMA RAVI TEJA**
 TECHNICAL MANAGER
 STPL STEDRANT TECHNOCLINIC PVT.LTD.
 HYDERABAD

(Soil and Material Testing, Designs, Restoration and Non Destructive Testing Services)

Corporate Office :

"Suvak Pride" # 95, Model House Street, Basavanagudi,
Bangalore - 560 004. Ph : 080 26629992

Bangalore Lab :

39/5, Govardhan Garden, J C Industrial Area, Yelechenahalli,
off. Kanakapura Main Road, Bangalore - 560062. Ph.: 080 26860348



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Job order / Report No. CUBE: STPL/HYD/185/07/2024-25/1

Date: 17.07.2024

Job order Dated: 11.07.2024

M/s. SIKA INDIA PRIVATE LIMITED.

Plot No - D 101/2, TTC Industrial Area,

Shiravane, Nerul, Navi-Mumbai, Maharashtra.

RAPID CHLORIDE ION PENETRATION TEST (RCPT) RESULTS ON CONCRETE CORE SAMPLES

Source of sample : Sample supplied by the customer
 Customer's Reference : Letter No., Dated. 10.07.2024
 No. of samples Tested : 03 (Three only)
 Material received on : 11.07.2024
 Period of Test : 15.07.2024 to 16.07.2024
 Condition of samples : Satisfactory
 Technical reference : ASTM C 1202-19

Sl. No.	Identification/ Grade of Concrete/ Batch quantities(kg/m ³)/ Date of Casting/Age *	Total Charge passed (Coulombs)	Total Charge passed (Coulombs) (Average test results)
1	Grade: M-30 Casting Date : 24-05-2024 Age: More than 28 days	1112	1102
		1088	
		1106	

Requirement as per ASTM C-1202-19, Table X1.1, Chloride ion penetrability based on charge passed.

Charge passed (Coulombs)	Chloride Ion penetrability
> 4000	High
2000 - 4000	Moderate
1000 - 2000	Low
100 - 1000	Very low
< 100	Negligible

*As furnished by the customer

- Note:**
1. The results relate only to the items tested.
 2. Report shall not be reproduced except in full, without the written approval of the laboratory.
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Remarks: The tested samples show "Low" Chloride Ion Penetrability according to ASTM C 1202-19.

For STEDRANT TECHNOCLINIC PVT.LTD.,

17.07.2024
AUTHORISED BY
 SOMA RAVI TEJA
 TECHNICAL MANAGER
 STPL STEDRANT TECHNOCLINIC PVT.LTD.
 HYDERABAD

**** END OF REPORT ****

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E-mail : labhyd@stedrant.com www.stedrant.com

CIN: U74999KA2017PTC100477 GST No.: 36AAYCS1231L1ZV

STPL

Job order / Report No. CUBE: STPL/HYD/185/07/2024-25/2
Job order Dated: 11.07.2024

Date: 17.07.2024

M/s. SIKKA INDIA PRIVATE LIMITED.

Plot No - D 101/2, TTC Industrial Area,
Shiravane, Nerul, Navi-Mumbai, Maharashtra.

WATER PERMEABILITY TEST (WPT) RESULTS ON HARDENED CONCRETE CUBE SAMPLES

Source of sample : Sample supplied by the customer
 Customer's Reference : Letter No., Dated. 10.07.2024
 No. of samples Tested : 03 (Three only)
 Material received on : 11.07.2024
 Period of Test : 13.07.2024 to 16.07.2024
 Condition of samples : Satisfactory
 Technical reference : BSEN 12390 (Part 8) - 2006

Sl. No.	Identification/ Grade of Concrete/ Name of the supplier/ Location/ Date of Casting/ Age *	Test Results		Requirements for Water Penetration test as per ANNEX-B of IS 16700: 2017
		Depth of Water Penetration (mm)	Average Depth of Water Penetration (mm)	
1	Grade: M-50/SDC Casting Date : 16-05-2024 Age: More than 28 days	9	10	a) Foundations - Max. 15 mm b) Super Structure - Max. 20 mm
		10		
		12		

*As furnished by the customer

- Note:**
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For STEDRANT TECHNOCLINIC PVT.LTD.

17-07-2024



STPL

SOMA RAVI TEJA AUTHORIZED BY

TECHNICAL MANAGER

STEDRANT TECHNOCLINIC PVT.LTD.

HYDERABAD

**** END OF REPORT ****

(Soil and Material Testing, Designs, Restoration and Non Destructive Testing Services)

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STPL

Job order / Report No. CUBE: STPL/HYD/185/07/2024-25/2
Job order Dated: 11.07.2024

Date: 17.07.2024

M/s. SIKA INDIA PRIVATE LIMITED.

Plot No - D 101/2, TTC Industrial Area,

Shiravane, Nerul, Navi-Mumbai, Maharashtra.

RAPID CHLORIDE ION PENETRATION TEST (RCPT) RESULTS ON CONCRETE CORE SAMPLES

Source of sample : Sample supplied by the customer
Customer's Reference : Letter No., Dated. 10.07.2024
No. of samples Tested : 03 (Three only)
Material received on : 11.07.2024
Period of Test : 15.07.2024 to 16.07.2024
Condition of samples : Satisfactory
Technical reference : ASTM C 1202-19

Sl. No.	Identification/ Grade of Concrete/ Batch quantities(kg/m ³)/ Date of Casting/Age *	Total Charge passed (Coulombs)	Total Charge passed (Coulombs) (Average test results)
1	Grade: M-50/SDC Casting Date : 16-05-2024 Age: More than 28 days	1189	1203
		1218	
		1201	

Requirement as per ASTM C-1202-19, Table X1.1, Chloride ion penetrability based on charge passed.

Charge passed (Coulombs)	Chloride Ion penetrability
> 4000	High
2000 - 4000	Moderate
1000 - 2000	Low
100 - 1000	Very low
< 100	Negligible

*As furnished by the customer

- Note:**
1. The results relate only to the items tested.
 2. Report shall not be reproduced except in full, without the written approval of the laboratory.
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Remarks: The tested samples show "Low" Chloride Ion Penetrability according to ASTM C 1202-19.

For STEDRANT TECHNOCLINIC PVT.LTD.,

17.07.2024
AUTHORISED BY

**** END OF REPORT ****

 **SOMA RAVI TEJA**
TECHNICAL MANAGER
STPL STEDRANT TECHNOCLINIC PVT.LTD.
HYDERABAD

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E-mail : labhyd@stedrant.com www.stedrant.com

CIN: U74999KA2017PTC100477 GST No.: 36AAYCS1231L1ZV



TC-7523

Job order/Report No. Admixture: STPL/HYD/454/07/2024-25/1

Date: 31-07-2024

Job order Dated: 29-07-2024

ULR- TC752324000005415F

M/s. SIKA INDIA PVT LTD

No. 102/2, MID Industrial Area, Shiravane,

Nerul, Navi Mumbai, Maharashtra - 400 706.

UNIFORMITY TEST REPORT ON CHEMICAL ADMIXTURE SAMPLE

Source of the sample : Sample supplied by the customer
 Customer's reference : Letter No. Nil, Date: 29.07.2024
 UIN : 2420330
 Product Name* : Sika Viscocrete 3708 Ease Formerly Master Ease 3708
 Batch No* : Batch No: M424/24
 Mfg Date* : Mfg Date: 25/05/2024
 Material received on : 29.07.2024
 Period of test : 29.07.2024 to 31.07.2024
 Condition of sample : Satisfactory

Sl. No.	Test Conducted	Results	Requirements as per Table 2 of IS: 9103-1999 (RA 2018)	Test Method
1	Dry material content (DMC) (% by mass)	30.27	$0.95T \leq DMC < 1.05 T$ T - Manufacture's stated Value	IS: 9103 - 1999 (RA 2018)
2	Ash Content (AC) (% by mass)	3.18	$0.95T \leq AC < 1.05 T$ T - Manufacture's stated Value	IS: 9103 - 1999 (RA 2018)
3	Chloride Content (% by mass)	0.016	Within 10% of the value or within 0.2% whichever is greater as stated by the manufacturer	IS: 6925 - 1973 (RA 2018)
4	pH	6.96	Minimum 6.0	IS 9103 - 1999 (RA 2018)
5	Relative Density	1.088	Within 0.02 of the value stated by manufacturer	IS 9103 - 1999 (RA 2018)

*As furnished by the customer

- Note:
1. The results relate only to the items tested.
 2. Report shall not be reproduced except in full, without the written approval of the laboratory.
 3. Any correction invalidates this report.

For STEDRANT TECHNOCLINIC PVT. LTD.

AUTHORISED BY



R. Pradeep
 31/07/2024
R. PRADEEP
 Principal Engineer
 STPL STEDRANT TECHNOCLINIC PVT. LTD.
 HYDERABAD

**** END OF REPORT ****

(Soil and Material Testing, Designs, Restoration and Non Destructive Testing Services)

Corporate Office :

"Sunvak Pride" # 95, Model House Street, Basavanagudi, Bangalore - 560 004. Ph : 080 26629992

Bangalore Lab :

39/5, Govardhan Garden, J C Industrial Area, Yelechenahalli, off. Kanakapura Main Road, Bangalore - 560062. Ph.: 080 26860348



STEDRANT TECHNOCLINIC PVT. LTD.

(Construction Materials Testing Laboratory)

Office / Lab : Shed No. F-3/A, Street No. 10, IDA, Nacharam, Hyderabad - 500076

Mob : +91 9000085790, +91 9000095790, +91 9908875790, +91 9908065790

E-mail : labhyd@stedrant.com www.stedrant.com

CIN: U74999KA2017PTC100477 GST No.: 36AAYCS1231L1ZV



TC-7523

STPL

Job order/Report No. Admixture: STPL/HYD/454/07/2024-25/2
Job order Dated: 29-07-2024

Date: 31-07-2024
ULR- TC75232400005415F

M/s. SIKA INDIA PVT LTD

No. 102/2, MID Industrial Area, Shiravane,
Nerul, Navi Mumbai, Maharashtra - 400 706.

UNIFORMITY TEST REPORT ON CHEMICAL ADMIXTURE SAMPLE

Source of the sample : Sample supplied by the customer
 Customer's reference : Letter No. Nil, Date: 29.07.2024
 UIN : 2420330
 Product Name* : Sika Plast PH 8162 Formerly Master Polyheed 8162
 Batch No* : Batch No: AE45224
 Mfg Date* : Mfg Date: 24/05/2024
 Material received on : 29.07.2024
 Period of test : 29.07.2024 to 31.07.2024
 Condition of sample : Satisfactory

Sl. No.	Test Conducted	Results	Requirements as per Table 2 of IS: 9103-1999 (RA 2018)	Test Method
1	Dry material content (DMC) (% by mass)	20.81	$0.95T \leq DMC < 1.05 T$ T - Manufacture's stated Value	IS: 9103 - 1999 (RA 2018)
2	Ash Content (AC) (% by mass)	2.25	$0.95T \leq AC < 1.05 T$ T - Manufacture's stated Value	IS: 9103 - 1999 (RA 2018)
3	Chloride Content (% by mass)	0.036	Within 10% of the value or within 0.2% whichever is greater as stated by the manufacturer	IS: 6925 - 1973 (RA 2018)
4	pH	7.77	Minimum 6.0	IS 9103 - 1999 (RA 2018)
5	Relative Density	1.076	Within 0.02 of the value stated by manufacturer	IS 9103 - 1999 (RA 2018)

*As furnished by the customer

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For STEDRANT TECHNOCLINIC PVT. LTD.

AUTHORISED BY



R. Pradeep
31/07/2024

R. PRADEEP
Principal Engineer

STPL STEDRANT TECHNOCLINIC PVT.LTD.
HYDERABAD

**** END OF REPORT ****

(Soil and Material Testing, Designs, Restoration and Non Destructive Testing Services)

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E-mail : labhyd@stedrant.com www.stedrant.com

CIN: U74999KA2017PTC100477 GST No.: 36AAYCS1231L1ZV



TC-7523

Job order/Report No. Admixture: STPL/HYD/454/07/2024-25/3

Date: 31-07-2024

Job order Dated: 29-07-2024

ULR- TC752324000005415F

M/s. SIKA INDIA PVT LTD

No. 102/2, MID Industrial Area, Shiravane,
Nerul, Navi Mumbai, Maharashtra - 400 706.

UNIFORMITY TEST REPORT ON CHEMICAL ADMIXTURE SAMPLE

Source of the sample	:	Sample supplied by the customer
Customer's reference	:	Letter No. Nil, Date: 29.07.2024
UIN	:	2420330
Product Name*	:	Sika Viscocrete Sky 8609 Formerly Master Glenium Sky 8609
Batch No*	:	Batch No: LNE01324
Mfg Date*	:	Mfg Date: 21/05/2024
Material received on	:	29.07.2024
Period of test	:	29.07.2024 to 31.07.2024
Condition of sample	:	Satisfactory

Sl. No.	Test Conducted	Results	Requirements as per Table 2 of IS: 9103-1999 (RA 2018)	Test Method
1	Dry material content (DMC) (% by mass)	29.98	$0.95T \leq DMC < 1.05 T$ T - Manufacture's stated Value	IS: 9103 - 1999 (RA 2018)
2	Ash Content (AC) (% by mass)	2.73	$0.95T \leq AC < 1.05 T$ T - Manufacture's stated Value	IS: 9103 - 1999 (RA 2018)
3	Chloride Content (% by mass)	0.043	Within 10% of the value or within 0.2% whichever is greater as stated by the manufacturer	IS: 6925 - 1973 (RA 2018)
4	pH	6.74	Minimum 6.0	IS 9103 - 1999 (RA 2018)
5	Relative Density	1.085	Within 0.02 of the value stated by manufacturer	IS 9103 - 1999 (RA 2018)

*As furnished by the customer

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For STEDRANT TECHNOCLINIC PVT. LTD.

AUTHORISED BY

R. PRADEEP
Principal Engineer
STPL STEDRANT TECHNOCLINIC PVT.LTD.
HYDERABAD

**** END OF REPORT ****

(Soil and Material Testing, Designs, Restoration and Non Destructive Testing Services)

Corporate Office :

"Sunvak Pride" # 95, Model House Street, Basavanagudi,
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Bangalore Lab :

39/5, Govardhan Garden, J C Industrial Area, Yelechenahalli,
off. Kanakapura Main Road, Bangalore - 560062. Ph.: 080 26860348



B.S. ENVI - TECH PVT. LTD.

Recognized by MoEF & CC, Gol: Valid upto November, 2025



TC-5233

TEST REPORT

ULR No.TC 523324000 000 052 F

Name & Address of the Customer : M/s. SIKA INDIA PVT LTD Plot No. D101/2, TTC Industrial Area Shiravane , Nerul-400706 Navi Mumbai-India	Test Report No. : BSET/2024/AD -00391	
	Lab Code No. : 241010902	Issue Date : 12/02/2024
	Your Ref : Letter dated 07.02.2024	Date of Receipt : 07/02/2024
Sample Description: Admixture Sample Qty : 1 No. x 1 Ltr Sample Packing : Sealed Bottle Test Required : As Mentioned below	Date of Registration	07/02/2024
	Date of commencement of testing	07/02/2024
	Date of completion of testing	12/02/2024
	Sample condition at receipt	Found ok
	Sample tested as received	
Sampling Details		
Sampling Method/Procedure: Sample collected and submitted by the Customer		
General Environment conditions: Normal		
Location of Sample / Sample ID: SIKAPLAST 496 PR		Page No: 1 of 1

TEST RESULTS

Discipline : Chemical
Group : Building Materials

S.No.	Test Parameter	Units	Test Method	Results	Requirement as per IS:9103
1.	Dry Material Content	% by Mass	IS:9103-1999	31.42	-
2.	Ash Content	% by Mass	IS:9103-1999	3.51	-
3.	Relative Density	-	IS:9103-1999	1.096	-
4.	Chloride as Cl	% by Mass	IS:6925 (Turbidimetric Method) : 1973	0.006	0.2 Max
5.	pH Value	-	IS:9103-1999	6.20	6 Min

Goutham
12/02/2024.
Reviewed By
(Goutham Gangula)
Technical Manager

A.V. Hanumantha Rao
12/02/2024
Authorized Signatory
(A.V. Hanumantha Rao)
Director - Laboratory

*** End of the Report***

Note: This report is subject to the terms and conditions mentioned overleaf.

Doc No.: BSET/Cl.7.8/Form -01	Issue No / Date : 01 / 02.01.2020	Amend. No. / Date : 00 / --	Page 1 of 1
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*Complaints Register is available at Laboratory.

4th Floor, 'AMITY VILLE', 12-13-1270/71/73,
St. Ann's Road, Tarnaka,
Secunderabad - 500017,
Telangana, India

Phone : +91 40 49783062 / 27016806 Fax : +91 40 49783063
Email : lab@bsenvitech.com, info@bsenvitech.com
Website : www.bsenvitech.com
CIN No. : U74210TG1999PTC032358



BUREAU VERITAS (INDIA) PVT LTD.
(Construction Services Laboratory)
F-2/B, Road no; 9, IDA Nacharam, Hyderabad-500 076

Test order no.: HL/2200/10/2023
Date: 25-10-2023

**BUREAU
VERITAS**

To: Larsen & Toubro Limited,
TIMS Project, Survey No. 124 to 128, Kothapet, L B Nagar, Hyderabad – 500035, Telangana.

(BY WEIGHT) PER CUBIC METER OF CONCRETE (SSD CONDITION)	
Mix Ingredients	Quantity of Concrete Making Materials for One Cubic Meter
Mix Designation	M25 A (NRS:CSS -50:50)
Cement (kg/m ³) - (Brand : Not furnished)	250
Flyash (kg/m ³) NTPC	80
Fine Aggregate (Natural River Sand) (kg/m ³) **	408
Fine Aggregate (Crushed Stone Sand) (kg/m ³) **	408
20 mm Coarse Aggregate (kg/m ³) **	637
12.5 mm Coarse Aggregate (kg/m ³) **	425
Free Water (kg/m ³) *	165
Admixture (kg/m ³) - (SIKA 495PR)*	1.65
Slump Obtained(mm) – After 1 Hr After 2 Hrs After 2 Hrs 30minutes	Collapse 220 160
Compressive Strength at 7 days (N/sq.mm)	24.3
Compressive Strength at 28 days (N/sq.mm)	35.4

** Cement+PFA: Fine Aggregate (NRS: CSS – 50:50): Coarse Aggregate

- I. REMARKS:** Trial mix was carried out as per the mix proportions suggested in your Mail dated 25.10.2023 design data sheet using materials supplied by you.
- II. REMARKS:** (1) All the concrete making materials such as cement, fine & coarse aggregates, Admixture and water should conform to relevant Indian Standards.
(2) Correction for water absorption fine aggregates and coarse aggregate to be applied at site.
(3) Performance of admixture (If used) shall be checked and verified periodically at site.
(4) The trial mix proportions considered above need to be modified in the field using the proposed materials and finalized by observing the actual Performance of the concrete mix. Suitable modifications may be necessary to suit field conditions in the light of experience as well as for the Particular materials used at the site in each case.

- Note:** 1. The results relate only to the items tested.
2. Report shall not be reproduced, except in full, without the written approval of the laboratory.
3. Any correction invalidates this report.

MVSS CHAITANYA
MANAGER-LAB



BUREAU VERITAS (INDIA) PVT LTD.
(Construction Services Laboratory)
F-2/B, Road no; 9, IDA Nacharam, Hyderabad-500 076

Test order no.: HL/2200/10/2023
Date: 25-10-2023

**BUREAU
VERITAS**

To: Larsen & Toubro Limited,

TIMS Project, Survey No. 124 to 128, Kothapet, L B Nagar, Hyderabad – 500035, Telangana.

(BY WEIGHT) PER CUBIC METER OF CONCRETE (SSD CONDITION)

Mix Ingredients	Quantity of Concrete Making Materials for One Cubic Meter
Mix Designation	M30 AG (NRS:CSS -50:50)
Cement (kg/m ³) - (Brand : Not furnished)	280
Flyash (kg/m ³) NTPC	80
Fine Aggregate (Natural River Sand) (kg/m ³) **	393
Fine Aggregate (Crushed Stone Sand) (kg/m ³) **	393
20 mm Coarse Aggregate (kg/m ³) **	640
12.5 mm Coarse Aggregate (kg/m ³) **	427
Free Water (kg/m ³) *	165
Admixture (kg/m ³) - (SIKA 495PR)*	1.55
Slump Obtained(mm) – After 1 Hr After 2 Hrs After 2 Hrs 30minutes	Collapse 220 150
Compressive Strength at 7 days (N/sq.mm)	22.5
Compressive Strength at 28 days (N/sq.mm)	38.3

** Cement+PFA: Fine Aggregate (NRS: CSS – 50:50): Coarse Aggregate

I. REMARKS: Trial mix was carried out as per the mix proportions suggested in your Mail dated 25.10.2023 design data sheet using materials supplied by you.

II. REMARKS: (1) All the concrete making materials such as cement, fine & coarse aggregates, Admixture and water should conform to relevant Indian Standards.

(2) Correction for water absorption fine aggregates and coarse aggregate to be applied at site.

(3) Performance of admixture (If used) shall be checked and verified periodically at site.

(4) The trial mix proportions considered above need to be modified in the field using the proposed materials and finalized by observing the actual performance of the concrete mix. Suitable modifications may be necessary to suit field conditions in the light of experience as well as for the

Particular materials used at the site in each case.

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- Note:**
- 1.
 - 2.
 - 3.

MYSS CHAITANYA
MANAGER-LAB



BUREAU VERITAS (INDIA) PVT LTD.
(Construction Services Laboratory)
F-2/B, Road no: 9, ID-1 Nacharam, Hyderabad-500 076

Test order no.: HL/2200/10/2023
Date: 25-10-2023

**BUREAU
VERITAS**

To: Larsen & Toubro Limited,
TIMIS Project, Survey No. 124 to 128, Kothapet, L B Nagar, Hyderabad – 500035, Telangana.

(BY WEIGHT) PER CUBIC METER OF CONCRETE (SSD CONDITION)

Mix Ingredients	Quantity of Concrete Making Materials for One Cubic Meter
Mix Designation	M40 AG (NRS:CSS -50:50)
Cement (kg/m ³) - (Brand : Not furnished)	350
Flyash (kg/m ³) NTPC	90
Fine Aggregate (Natural River Sand) (kg/m ³) **	363
Fine Aggregate (Crushed Stone Sand) (kg/m ³) **	364
20 mm Coarse Aggregate (kg/m ³) **	631
12.5 mm Coarse Aggregate (kg/m ³) **	421
Free Water (kg/m ³) *	165
Admixture (kg/m ³) - (SIKA 496PR)*	2.07
Slump Obtained(mm) – After 1 Hr After 2 Hrs After 2 Hrs 30minutes	Collapse 210 160 36.1
Compressive Strength at 7 days (N/sq.mm)	55.9
Compressive Strength at 28 days (N/sq.mm)	

** Cement+PFA: Fine Aggregate (NRS: CSS – 50:50): Coarse Aggregate

- I. REMARKS:** Trial mix was carried out as per the mix proportions suggested in your Mail dated 25.10.2023 design data sheet using materials supplied by you.
- II. REMARKS:** (1) All the concrete making materials such as cement, fine & coarse aggregates, Admixture and water should conform to relevant Indian Standards.
(2) Correction for water absorption fine aggregates and coarse aggregate to be applied at site.
(3) Performance of admixture (If used) shall be checked and verified periodically at site.
(4) The trial mix proportions considered above need to be modified in the field using the proposed materials and finalized by observing the actual performance of the concrete mix. Suitable modifications may be necessary to suit field conditions in the light of experience as well as for the Particular materials used at the site in each case.

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MANAGER-LAB



BUREAU VERITAS (INDIA) PVT LTD.
(Construction Services Laboratory)
F-2/B, Road no. 9, IDA Nacharam, Hyderabad-500 076

Test order no.: HL/2200/10/2023
Date: 25-10-2023

**BUREAU
VERITAS**

To: Larsen & Toubro Limited,
TIMS Project, Survey No. 124 to 128, Kothapet, L B Nagar, Hyderabad – 500035, Telangana.

(BY WEIGHT) PER CUBIC METER OF CONCRETE (SSD CONDITION)

Mix Ingredients	Quantity of Concrete Making Materials for One Cubic Meter
Mix Designation	M50 (NRS:CSS -50:50)
Cement (kg/m ³) - (Brand : Not furnished)	430
Flyash (kg/m ³) NTPC	100
Fine Aggregate (Natural River Sand) (kg/m ³) **	346
Fine Aggregate (Crushed Stone Sand) (kg/m ³) **	346
20 mm Coarse Aggregate (kg/m ³) **	613
12.5 mm Coarse Aggregate (kg/m ³) **	409
Free Water (kg/m ³) *	160
Admixture (kg/m ³) - (SIKA 496PR)*	2.38
Slump Obtained(mm) – After 1 Hr After 2 Hrs After 2 Hrs 30minutes	Collapse 210 150 52.1
Compressive Strength at 7 days (N/sq.mm)	68.0
Compressive Strength at 28 days (N/sq.mm)	

** Cement+PFA: Fine Aggregate (NRS: CSS – 50:50): Coarse Aggregate

I. REMARKS: Trial mix was carried out as per the mix proportions suggested in your Mail dated 25.10.2023 design data sheet using materials supplied by you.
II. REMARKS: (1) All the concrete making materials such as cement, fine & coarse aggregates, Admixture and water should conform to relevant Indian Standards.

(2) Correction for water absorption fine aggregates and coarse aggregate to be applied at site.

(3) Performance of admixture (If used) shall be checked and verified periodically at site.

(4) The trial mix proportions considered above need to be modified in the field using the proposed materials and finalized by observing the actual Performance of the concrete mix. Suitable modifications may be necessary to suit field conditions in the light of experience as well as for the Particular materials used at the site in each case.

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BUREAU VERITAS (INDIA) PVT LTD.
(Construction Services Laboratory)
F-2/B, Road no: 9, IDA Nacharam, Hyderabad-500 076

Test order no.: HL/2200/10/2023
Date: 25-10-2023

**BUREAU
VERITAS**

To: Larsen & Toubro Limited,
TIMS Project, Survey No. 124 to 128, Kothapet, L B Nagar, Hyderabad – 500035, Telangana.

(BY WEIGHT) PER CUBIC METER OF CONCRETE (SSD CONDITION)

Mix Ingredients	Quantity of Concrete Making Materials for One Cubic Meter
Mix Designation	M60 (NRS:CSS -50:50)
Cement (kg/m ³) - (Brand : Not furnished)	430
Flyash (kg/m ³) NTPC	120
Micro Silica (Kg/m ³)	40
Fine Aggregate (Natural River Sand) (kg/m ³) **	333
Fine Aggregate (Crushed Stone Sand) (kg/m ³) **	333
20 mm Coarse Aggregate (kg/m ³) **	614
12.5 mm Coarse Aggregate (kg/m ³) **	409
Free Water (kg/m ³) *	160
Admixture (kg/m ³) - (SIKA 496PR)*	3.58
Slump Obtained(mm) –	
After 1 Hr	Collapse
After 2 Hrs	200
After 2 Hrs 30minutes	130
Compressive Strength at 7 days (N/sq.mm)	74.1
Compressive Strength at 28 days (N/sq.mm)	91.8

** Cement+PFA: Fine Aggregate (NRS: CSS – 50:50); Coarse Aggregate

- I. REMARKS:** Trial mix was carried out as per the mix proportions suggested in your Mail dated 25.10.2023 design data sheet using materials supplied by you.
- II. REMARKS:** (1) All the concrete making materials such as cement, fine & coarse aggregates, Admixture and water should conform to relevant Indian Standards.
(2) Correction for water absorption fine aggregates and coarse aggregate to be applied at site.
(3) Performance of admixture (If used) shall be checked and verified periodically at site.
(4) The trial mix proportions considered above need to be modified in the field using the proposed materials and finalized by observing the actual Performance of the concrete mix. Suitable modifications may be necessary to suit field conditions in the light of experience as well as for the Particular materials used at the site in each case.

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MVSS CHAITANYA
MANAGER-LAB



Building Concrete
Relationship

Hitech Concrete Solutions Chennai Pvt. Ltd.,

NABL Accredited Laboratory as per ISO / IEC 17025

No.64, Galaxy Road, Ponniyamman Nagar, Ayanambakkam,
Chennai - 600095. Ph: 044-4862 2665, M: 99404 55530

Web : www.hitechconcrete.net



TC - 5814

TEST REPORT

ULR No.: TC581423000007927F	Certificate No & Date: HCSCPL/CT/23-24/09/00104 & 28-12-2023	
Report Type: Full	Amendment/Reissue (if any): N.A	
Name & Address of the Customer: M/s Sika India Pvt Ltd GST Road,Pukkathurai Village, Madurantagam Taluk, Kanchipuram, Chennai-603 308	Project Name/Address: Same as Above	
Name of the Client: N.A	Name of the Contractor: N.A	
Customer's Reference: Letter	Dated: 26/12/2023	
Sample Description: Admixture	Discipline: Chemical	Group: Building Material
Sample Supplied by: Customer	Sample Quantity: 1 Ltr	Batch No: CP23001119
Date of Receipt: 26/12/2023	Product: SIKA PLAST 348 X	Condition: Acceptable
Brand : Sika India Private Limited	Date/Period of Testing: From: 27-12-2023 To: 28-12-2023	

Chemical Test Results on Admixture

Sr. No	Specific Tests Performed	Results	Specified Requirement as per IS 9103:1999 (RA 2018)	Test Method
1.	pH @ 25°C	6.54	Above 6	IS 9103:1999 (RA 2018)
2.	Relative Density	1.090	Within 0.02 of the value stated by the Manufacturer	IS 9103:1999 (RA 2018)
3.	Dry Material Content, (For liquid admixture) %	27.78	0.95 T < DMC < 1.05 T T-Manufacturer's stated value	IS 9103:1999 (RA 2018)
4.	Ash Content %	2.08	0.95 T < AC < 1.05 T T-Manufacturer's stated value	IS 9103:1999 (RA 2018)
5.	Chloride ion Content %	0.012	Within 10% of the value or Within 0.2% whichever is greater as stated by the Manufacturer	IS 6925:1973 (RA 2018)



Tested By

E.Ramesh
E.Ramesh



For Hitech Concrete Solutions Chennai Pvt Ltd

K Aravindh
Authorised Signatory
K Aravindh
(Quality Manager)

****End of Report****



STEDRANT TECHNOCLINIC PVT. LTD.

(Construction Materials Testing Laboratory)

Office / Lab : Shed No. F-3/A, Street No. 10, IDA, Nacharam, Hyderabad - 500076
Mob : +91 9000085790, +91 9000095790, +91 9908875790, +91 9908065790
E-mail : labhyd@stedrant.com www.stedrant.com
CIN: U74999KA2017PTC100477 GST No.: 36AAYCS1231L1ZV



Job order/Report No.: STPL/JO/ STPL/JO/289/01/2024-25
Job order Dated: 20-01-2024

Dated: 29-01-2024
ULR- TC752324000000304F

M/s. SUPADHA INFRA PRIVATE LIMITED
Plot No. 159, 160, 161 and 162, Gachibowli Village,
Serilingampally Mandal, Hyderabad.

UNIFORMITY TEST REPORT ON CHEMICAL ADMIXTURE SAMPLE

Source of the sample : Sample supplied by the customer
Customer's reference : Letter No. QC/DIVYASREE/JLL/BCIM/Tech Ridge P3/01/289, Dated: 05.01.2024
UIN : 2401950
Project* : VELUMALA, NEAR KOLLUR, HYDERABAD
Description* : SIKA PLAST 495 PR
Material received on : 20.01.2024
Period of test : 22.01.2024 to 27.01.2024
Condition of sample : Satisfactory

Sl. No.	Test Conducted	Results	Requirements as per Table 2 of IS: 9103-1999 (RA 2018)	Test Method
1	Dry material content (DMC) (% by mass)	22.68	$0.95T \leq DMC < 1.05T$ T - Manufacture's stated Value	IS: 9103 - 1999 (RA 2018)
2	Ash Content (AC) (% by mass)	2.70	$0.95T \leq AC < 1.05T$ T - Manufacture's stated Value	IS: 9103 - 1999 (RA 2018)
3	Chloride Content (% by mass)	0.010	Within 10% of the value or within 0.2% whichever is greater as stated by the manufacturer	IS: 6925 - 1973 (RA 2018)
4	pH	6.69	Minimum 6.0	IS 9103 - 1999 (RA 2018)
5	Relative Density	1.070	Within 0.02 of the value stated by manufacturer	IS 9103 - 1999 (RA 2018)

*As furnished by the customer

Note: 1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the laboratory.
3. Any correction invalidates this report.

For STEDRANT TECHNOCLINIC PVT. LTD.

29/1/24
PRANEETH KUMAR P.
QUALITY MANAGER
HYDERABAD

**** END OF REPORT ****

(Soil and Material Testing, Designs, Restoration and Non Destructive Testing Services)

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PRODUCT DATA SHEET

SikaPlast® PH 8162

(formerly MasterPolyheed® 8162)

Superplasticiser based on synthetic carboxylic ether

DESCRIPTION

SikaPlast® PH 8162 is an admixture of a new generation based on modified poly-carboxylic ether. The product has been primarily developed for applications in Ready-mix & Site-batched concrete where the highest performance is required.

USES

- Ready mixed & Site mix Concrete
- Long-distance transporting
- Pumped concrete
- High workability without segregation or bleeding
- High performance concrete for durability
- Mixes requiring >20% water reduction
- Concrete containing pozzolans such as microsilica, GGBFS, PFA including high volume fly ash concrete

CHARACTERISTICS / ADVANTAGES

- Good dispersion even in mixes with high cementitious fines
- Retains workability for long periods
- Lower pumping pressure
- Resistance to segregation even at high workability
- Reduced water content for a given workability
- Higher ultimate strengths
- Increased ease in finishing concrete

Chemistry and mechanism of action

What differentiates SikaPlast® PH 8162 from the traditional superplasticisers is a new, unique mechanism of action that greatly improves the effectiveness of cement dispersion. Traditional superplasticisers based on melamine and naphthalene sulphonates are polymers which are absorbed by the cement granules. They wrap around the granules surface areas at the very early stage of the concrete mixing process. The sulphonic groups of the polymer chains increase the

negative charge of the cement particle surface and disperse these particles by electrical repulsion. This electrostatic mechanism causes the cement paste to disperse and has the positive consequence of requiring less mixing water to obtain a given concrete workability.

SikaPlast® PH 8162 has a different chemical structure from the traditional superplasticisers. It consists of poly-carboxylic ether with long side chains. At the beginning of the mixing process it initiates the same electrostatic dispersion mechanism as the traditional superplasticisers, but the side chains linked to the polymer backbone generates a steric hindrance which greatly stabilises the cement particles ability to separate and disperse. Steric hindrance provides a physical barrier (alongside the electrostatic barrier) between the cement grains. With this process, flowable concrete with greatly reduced water content is obtained.

APPROVALS / STANDARDS

ASTM C494 Type F&G, EN 934-2 T3.1/3.2, IS 9103

PRODUCT INFORMATION

Packaging	245 kg
Shelf life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
Storage conditions	SikaPlast® PH 8162 must be stored where temperatures do not drop below +5°C. If product has frozen, thaw at +5°C or above and completely reconstitute using mild mechanical agitation. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice, consult your local Sika representative.
Appearance / Colour	Reddish brown liquid
Density	1.07 ± 0.02 at 25°C
pH-value	≥ 6

APPLICATION INFORMATION

Recommended Dosage	<p>Optimum dosage of SikaPlast® PH 8162 should be determined with trial mixes. As a guide, a dosage range of 500ml to 1800ml per 100kg of cementitious material is normally recommended. Because of variations in concrete materials, job site conditions, and/or applications, dosages outside of the recommended range may be required. In such cases, contact your local Sika representative.</p> <p>For addition information on SikaPlast® PH 8162 admixture or on its use in developing concrete mixes with special performance characteristics, contact your local Sika representative.</p> <p>Effects of over dosage A severe over-dosage of SikaPlast® PH 8162 can result in the following: Extension of initial and final set Bleed/segregation of mix A slight overdosing may not adversely affect the ultimate strength of the concrete and can achieve higher strengths than normal concrete, provided it is properly compacted and cured. Due allowance should be made for the effect of fluid concrete pressure on form work, and stripping times should be monitored. In the event of over dosage, consult your local Sika representative immediately.</p>
Dispensing	<p>SikaPlast® PH 8162 is a ready-to-use liquid which is dispensed into the concrete together with the mixing water. The plasticising effect and water reduction are higher if the admixture is added to the damp concrete after 50 to 70% of the mixing water has been added. The addition of SikaPlast® PH 8162 to dry aggregate or cement is not recommended.</p> <p>Thorough mixing is essential and a minimum mixing cycle, after the addition of the SikaPlast® PH 8162, of 60 seconds for forced action mixers is recommended.</p>
Compatibility	<p>SikaPlast® PH 8162 is compatible with most of the Sika products.</p> <p>SikaPlast® PH 8162 is not compatible with Melamine or Naphthalene based admixtures and should not be used in conjunction in the same mix.</p> <p>SikaPlast® PH 8162 is compatible with lingosulphonates and carboxylic acid based plasticizer and retarders and also with most type of airentrainers, accelerators, retarders, extended set control admixtures, corrosion inhibitors, and shrinkage reducers. SikaPlast® PH 8162 is also compatible with slag and pozzolans such as fly ash, metakaolin and silica fume</p>

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER DOCUMENTS

CORROSIVITY – NON CORROSIVE

SikaPlast® PH 8162 admixture will neither initiate nor promote corrosion of reinforcing steel embedded in concrete, prestressed concrete or concrete placed on galvanized steel floor and roof systems. Neither calcium chloride nor any calcium chloride-based ingredients are used in the manufacture of SikaPlast® PH 8162 admixture. In all concrete application, SikaPlast® PH 8162 admixture will conform to the most stringent or minimum chloride ion limits currently suggested by construction industry standards and practices

WORKABILITY

SikaPlast® PH 8162 ensures that rheoplastic concrete remains workable for 90 minutes. Workability loss is dependent on temperature, and on the type of cement, the nature of aggregates, the method of transport and initial workability. It is strongly recommended that concrete should be properly cured particularly in hot, windy and dry climates

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Product Data Sheet

SikaPlast® PH 8162
July 2024, Version 01.01
02130100000002144

SikaPlastPH8162-en-IN-(07-2024)-1-1.pdf

Product Data Sheet

Edition 03/12/2022

Identification no:

01 13 01 01 100 0 00

SikaPlast®**Powered by ViscoCrete®****SikaPlast® 495 PR**

High efficient superplasticizer

Product Description	SikaPlast® 495 PR is the latest development of superplasticizer for concrete. It meets the requirements for high range water reducing superplasticizers
Uses	SikaPlast® 495 PR is a unique multipurpose superplasticiser that is particularly suitable for the production of ready mixed concrete. Additionally it provides high water reduction and improved fresh concrete characteristics. With its outstanding cost / performance SikaPlast® 495 PR is used for the following: <ul style="list-style-type: none">■ A wide range of applications where excellent workability is requested■ Concrete with high water reduction■ High efficient concrete application■ Variable use in different concrete systems with different raw materials
Characteristics / Advantages	SikaPlast® 495 PR is a powerful superplasticiser based on advanced technology which gives the following advantages: <ul style="list-style-type: none">■ Strong water reduction, resulting in high density, high strength and reduced Permeability■ Less sensitive against variations in aggregates and / or different cement types■ High efficiency even at low dosage rates■ Extended workability in conjunction with subsequent strength development■ Superior plasticising effect, resulting in improved flow, placing and compaction Characteristics
Tests	
Approval Standard	IS 9103, ASTM C494
Product Data	
Form	
Appearance / Colour	Light Brown Liquid
Packaging	230 kg HDPE carboy or Tanker supply.
Storage	
Storage Conditions / Shelf -Life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.
Technical Data	
Chemical Base	Polycarboxylate ether

Construction**SikaPlast®**
Powered by
ViscoCrete®

Relative Density	~1.06 kg/l at 25°C
pH	≥ 6
System Information	
Application Details	
Consumption / Dosage	0.2 % to 2% b. w. o. cementitious. Optimum dosage has to be finalized through site trials. Stir well before use.
Application Condition/ Limitations	
Application Instructions	
Dispensing	SikaPlast® 495 PR is added to the gauging water or added with it into the concrete mixer. To take advantage of the high water reduction, a wet mixing time, which is depending on the mixing conditions and mixer performance, of at least 60 seconds is recommended. To avoid excess water in the concrete, the final dosage must begin only after 2/3 of the wet mixing time.
Application Method/ Tools	The standard rules of good concreting practice, concerning production and placing, are to be followed. Laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components. Fresh concrete must be cured properly and curing applied as early as possible.
Cleaning of Tools	Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be mechanically removed.
Notes on Application/ Limitation	When using SikaPlast® 495 PR a suitable mix design has to be taken into account and local material sources shall be trialled. SikaPlast® 495 PR shall not be added to dry cement. Excessive water addition, overdosing, changes in aggregates properties, cement properties, cementitious materials properties may cause bleeding, segregation issue, workability or setting issues.
Value Base	All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.
Legal Notes	The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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SikaPlast®
Powered by
ViscoCrete®

PRODUCT DATA SHEET

Sika® ViscoCrete®-3708 Ease

(formerly MasterEase® 3708)

High range water reducer / superplasticiser with advanced rheological properties

DESCRIPTION

Sika® ViscoCrete®-3708 Ease is a concrete admixture used as high-range water reducer or superplasticiser. The Product is used to impart exceptional rheological properties to fresh concrete. It improves significantly the placing and finishing of concretes, while also enhancing the ease of concrete pumping for all construction activities.

USES

Sika® ViscoCrete®-3708 Ease is used for:

- Production of self-compacting concrete requiring low viscosity, long workability retention and high compressive strength
- Very good concrete pumping

is used in:

- Ready-mixed concrete
- All consistencies, including Self-Compacting Concrete (SCC)
- High performance and ultra-high strength concrete
- All standard cement types, including low-clinker mixes containing fly ash, slag, and silica fume
- Architectural concrete
- Reinforced and pre-stressed concrete

CHARACTERISTICS / ADVANTAGES

At fresh state:

- Decreases the viscosity of the concrete at constant W/C ratio
- Possible reduction of W/C ratio without affecting the viscosity
- Improves mixing, lowers pressure on pumping, and eases the placing
- Very good finishing, floating and smoothing operations
- Improves the response to vibration
- Very good flexibility, mobility and flow of self-compacting concrete
- Enables technical and economic optimization of concrete mix designs
- Workability retention over 120 minutes without set-retardation
- Good compatibility with all types of cement and mineral additions
- If used in conjunction with Sika® Rapid® concept, cycle times can be further reduced, and temperature curing regimes can be further reduced or even eliminated

At hardened state:

- Very good early and late compressive strength
- Improves the quality of surface finishes
- Increases mechanical resistance
- Decreases porosity and permeability
- Decreases shrinkage and cracking
- Enhances durability

APPROVALS / STANDARDS

Conforms to IS 9103 / ASTM C494 Type G

PRODUCT INFORMATION

Packaging	245kg drum
Shelf life	12 months from date of production

Storage conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +35 °C. Protect from direct sunlight and frost. Always refer to the packaging. Frost: If frozen or if precipitation has occurred, the Product may be used after thawing slowly at room temperature and intensive mixing.
Appearance / Colour	Reddish brown liquid
Density	1.10 ± 0.02 @ 25°C
pH-value	≥ 6

TECHNICAL INFORMATION

Concreting Guidance	<ul style="list-style-type: none"> ▪ Follow the standard rules of good concreting practice for both production and placement. ▪ Carry out laboratory trials before concreting on site, especially when using a new mix design or producing new concrete components. ▪ Carry out trials to confirm the flowability and workability of the concrete. ▪ Cure fresh concrete properly and apply curing as early as possible, particularly in hot, windy and dry conditions, as well as at low temperatures.
Specific Advice	<ul style="list-style-type: none"> ▪ Excessive water addition or overdosing may cause bleeding, segregation and extension of setting-times. ▪ Due allowance should be made for the effect of fluid concrete pressure on formwork, and stripping times should be monitored. ▪ The product ensures that the concrete remains workable for a certain period. Workability loss depends on the following aspects: <ul style="list-style-type: none"> - temperature, - type of cement, - nature of aggregates, - method of transport, - and initial workability. ▪ To achieve longer workability period please use a setting retarder from the Sika® Retarder series.

SYSTEM INFORMATION

Compatibility	<p>The Product is compatible with all standard cement types. For use with other cements contact your local Sika technical service for information. The Product can be combined and is recommended for use with other Sika products, such as:</p> <ul style="list-style-type: none"> ▪ Sika® Retarder setting retarders ▪ SikaRapid® hardening accelerators ▪ Sika® Stabilizer workability improver, for example Sika® Stabilizer VMA series to modify viscosity ▪ SikaControl® durability and quality enhancer, for example SikaControl® AER series to improve frost and thaw resistance ▪ SikaFume® silica fume strength and durability enhancer ▪ Sika® Separol® mould release agents ▪ Sika® Antisol® curing compounds <p>The Product is not compatible with admixtures from the Sikament® range. Always conduct trials before combining different products. Contact Sika Technical Services for additional information.</p>
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APPLICATION INFORMATION

Recommended Dosage	<ul style="list-style-type: none"> ▪ 300ml to 1500ml per 100kg cementitious material. <p>The dosage rates given above are for typical usages, they are not meant as absolute limits, as other dosages may be utilized in special cases according to specific job conditions.</p> <p>Note: Preliminary laboratory trials are always recommended to determine the optimum consumption and injection parameters.</p> <p>Contact Sika Technical Services for additional information.</p>
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BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

MIXING

The Product is a ready-to-use liquid that is added to the concrete during the mixing process. Optimal water reduction is obtained if the Product is dispensed into the concrete mix after the addition of 50–90 % of mixing water. Avoid adding the Product to dry materials. The Product should not be pre-mixed with other admixtures. If other admixtures are to be used in concrete containing the Product they must be dispensed separately.

After adding the Product allow enough mixing time to secure a homogenous concrete. If necessary, continue mixing and add additional Product to obtain the required workability.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Product Data Sheet
Sika® ViscoCrete®-3708 Ease
July 2024, Version 01.01
02130100000003126

SikaViscoCrete-3708Ease-en-IN-(07-2024)-1-1.pdf

PRODUCT DATA SHEET

Sika® ViscoCrete® SKY 8609

(formerly MasterGlenium® SKY 8609)

High-performance super plasticiser based on PCE (polycarboxylic ether) for concrete

DESCRIPTION

Sika® ViscoCrete® SKY 8609 is an admixture of a new generation based on modified polycarboxylic ether. The product has been primarily developed for applications in high performance concrete where the highest durability and performance is required. Sika® ViscoCrete® SKY 8609 is free of chloride & low alkali. It is compatible with all types of cements.

USES

- Production of smart dynamic concrete & self-consolidation concrete.
- High performance concrete for durability
- High workability without segregation or bleeding
- Precast & Pre-stressed concrete
- Concrete containing pozzolans such as microsilica, GGBFS, PFA including high volume fly ash concrete

CHARACTERISTICS / ADVANTAGES

- Elimination of vibration and reduced labour cost in placing
- Marked increase in early & ultimate strengths
- Improved adhesion to reinforcing and stressing steel
- lower permeability - increased durability

Chemistry and mechanism of action

What differentiates Sika® ViscoCrete® SKY 8609 from the traditional superplasticisers is a new, unique mechanism of action that greatly improves the effectiveness of cement dispersion. Traditional superplasticisers based on naphthalene sulphonates are polymers which are absorbed by the cement granules. They wrap around the granules' surface areas at the very early stage of the concrete mixing process. The sulphonic groups of the polymer chains increase the negative charge of the cement particle surface and disperse these particles by electrical repulsion. This electrostatic mechanism causes the cement paste to

disperse and has the positive consequence of requiring less mixing water to obtain a given concrete workability.

Sika® ViscoCrete® SKY 8609 has a different chemical structure from the traditional superplasticisers. It consists of a polycarboxylic ether polymer with long side chains. At the beginning of the mixing process it initiates the same electrostatic dispersion mechanism as the traditional superplasticisers, but the side chains linked to the polymer backbone generates a steric hindrance which greatly stabilises the cement particles' ability to separate and disperse. Steric hindrance provides a physical barrier (alongside the electrostatic barrier) between the cement grains. With this process, flowable concrete with greatly reduced water content is obtained.

APPROVALS / STANDARDS

IS 9103, ASTM C494 Type F,G

PRODUCT INFORMATION

Packaging	245kg
Shelf life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
Storage conditions	Sika® ViscoCrete® SKY 8609 must be stored where temperatures do not drop below +5°C. If product has frozen, thaw at +5°C or above and completely reconstitute using mild mechanical agitation. Do not use pressurized air for agitation. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult your local Sika representative.
Appearance / Colour	Light to dark reddish brown liquid
Density	1.09 ± 0.02 at 25°C
pH-value	≥ 6

APPLICATION INFORMATION

Recommended Dosage	<p>Optimum dosage of Sika® ViscoCrete® SKY 8609 should be determined with trial mixes. As a guide, a dosage range of 300ml to 1800ml per 100kg of cementitious material is normally recommended. Because of variations in concrete materials, job site conditions, and/or applications, dosages outside of the recommended range may be required. In such cases, contact your local Sika representative.</p> <p>For addition information on Sika® ViscoCrete® SKY 8609 admixture or on its use in developing concrete mixes with special performance characteristics, contact your local Sika representative.</p> <p>Effects of over dosage</p> <p>A severe over-dosage of Sika® ViscoCrete® SKY 8609 can result in the following:</p> <ul style="list-style-type: none">▪ Extension of initial and final set▪ Bleed/segregation of mix <p>A slight overdosing may not adversely affect the ultimate strength of the concrete and can achieve higher strengths than normal concrete, provided it is properly compacted and cured. Due allowance should be made for the effect of fluid concrete pressure on form work, and stripping times should be monitored.</p> <p>In the event of over dosage, consult your local Sika representative immediately.</p>
Dispensing	<p>Sika® ViscoCrete® SKY 8609 is a ready-to-use liquid which is dispensed into the concrete together with the mixing water. The plasticising effect and water reduction are higher if the admixture is added to the damp concrete after 50 to 70% of the mixing water has been added. The addition of Sika® ViscoCrete® SKY 8609 to dry aggregate or cement is not recommended. Thorough mixing is essential and a minimum mixing cycle, after the addition of the Sika® ViscoCrete® SKY 8609, of 60 seconds for forced action mixers is recommended.</p>
Compatibility	<p>Sika® ViscoCrete® SKY 8609 is compatible with most of the Sika products. It must not be used in conjunction with any other admixture unless prior approval is received from Sika Technical Services Department.</p>

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may

vary due to circumstances beyond our control.

FURTHER DOCUMENTS

CORROSIVITY – NON CORROSIVE

Sika® ViscoCrete® SKY 8609 admixture will neither initiate nor promote corrosion of reinforcing steel embedded in concrete, prestressed concrete or concrete placed on galvanized steel floor and roof systems. Neither calcium chloride nor any calcium chloride-based ingredients are used in the manufacture of Sika® ViscoCrete® SKY 8609 admixture. In all concrete application, Sika® ViscoCrete® SKY 8609 admixture will conform to the most stringent or minimum chloride ion limits currently suggested by construction industry standards and practices.

WORKABILITY

Sika® ViscoCrete® SKY 8609 ensures that rheoplastic concrete remains workable for a long time. Workability loss is dependent on temperature, and on the type of cement, the nature of aggregates, the method of transport and initial workability. It is strongly recommended that concrete should be properly cured particularly in hot, windy and dry climates. To achieve longer workability period please use Sika Plastiment. It is strongly recommended that concrete should be properly cured particularly in hot, windy and dry climates.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Product Data Sheet

Sika® ViscoCrete® SKY 8609
April 2024, Version 01.01
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Product Data Sheet

Edition 03/12/2022

Identification no:

01 13 01 01 100 0 00

SikaPlast®**Powered by ViscoCrete®****SikaPlast® 496 PR****High efficient superplasticizer****Construction****Product Description**

SikaPlast® 496 PR is the latest development of superplasticizer for concrete. It meets the requirements for high range water reducing superplasticizers

Uses

SikaPlast® 496 PR is a unique multipurpose superplasticiser that is particularly suitable for the production of ready mixed concrete. Additionally it provides high water reduction and improved fresh concrete characteristics. With its outstanding cost / performance SikaPlast® 496 PR is used for the following:

- A wide range of applications where excellent workability is requested
- Concrete with high water reduction
- High efficient concrete application
- Variable use in different concrete systems with different raw materials

Characteristics / Advantages

SikaPlast® 496 PR is a powerful superplasticiser based on advanced technology which gives the following advantages:

- Strong water reduction, resulting in high density, high strength and reduced Permeability
- Less sensitive against variations in aggregates and / or different cement types
- High efficiency even at low dosage rates
- Extended workability in conjunction with subsequent strength development
- Superior plasticising effect, resulting in improved flow, placing and compaction Characteristics

Tests

Approval Standard IS 9103, ASTM C494

Product Data**Form**

Appearance / Colour Light Brown Liquid

Packaging 255 kg HDPE carboy or Tanker supply.

Storage

Storage Conditions / Shelf -Life 12 months from date of production if stored properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.

Technical Data

Chemical Base Polycarboxylate ether



SikaPlast®
Powered by
ViscoCrete®

Relative Density	~1.09 kg/l at 25°C
pH	≥ 6
System Information	
Application Details	
Consumption / Dosage	0.2 % to 2% b. w. o. cementitious. Optimum dosage has to be finalized through site trials. Stir well before use.
Application Condition/ Limitations	
Application Instructions	
Dispensing	SikaPlast® 496 PR is added to the gauging water or added with it into the concrete mixer. To take advantage of the high water reduction, a wet mixing time, which is depending on the mixing conditions and mixer performance, of at least 60 seconds is recommended. To avoid excess water in the concrete, the final dosage must begin only after 2/3 of the wet mixing time.
Application Method/ Tools	The standard rules of good concreting practice, concerning production and placing, are to be followed. Laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components. Fresh concrete must be cured properly and curing applied as early as possible.
Cleaning of Tools	Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be mechanically removed.
Notes on Application/ Limitation	When using SikaPlast® 496 PR a suitable mix design has to be taken into account and local material sources shall be trialled. SikaPlast® 496 PR shall not be added to dry cement. Excessive water addition, overdosing, changes in aggregates properties, cement properties, cementitious materials properties may cause bleeding, segregation issue, workability or setting issues.
Value Base	All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.
Legal Notes	The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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