



ABOUT US

DELNOISE, the innovative brand of Kantaflex India Private Limited presents with new innovative product line, which will establish a purposeful market. With years of studying the effects of noise pollution and their impact, Delnoise launches with the most advanced engineering solution in India. The entire range of products are tested as per Indian and international standards to solve the noise problems with the capability to design, manufacture and install customized noise barrier to suit the requirement of clients. The parent company having over 30 years of experience in the industry it gives enormous support to add value to the products. The team is set on a mission to thrive a future ahead minimizing the noise pollution.



WHY DELNOISE ?

DID YOU KNOW ?

WHAT IS SOUND?

Sound is a form of energy, it is created when air molecules vibrate and move in a pattern called sound waves. Sound needs medium to travel- AIR, WATER, SOLID. In space there is no sound because there is no medium for sound to travel.

WHAT IS NOISE?

Noise is also a sound, but the sounds which are loud and unpleasant that causes discomfort to human and living things is called as noise.

DIFFERENCE between sound and noise are the variations in vibrations of the acoustic waves, more the number & faster the vibration, emits high energy, that causes noise.

Effects of noise on human and animals are:

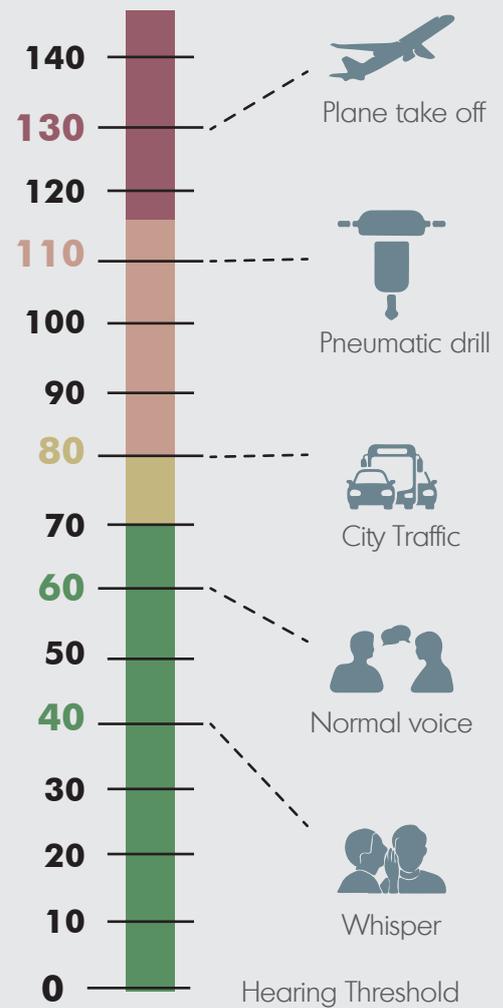


- Hearing problem
- Difficulty in sleeping
- Cardiovascular problem
- Reproduction problem in animals
- Emotional and behavioural change

DELNOISE The Solution

- Reduces noise to the receiver by absorbing, diffusing or reflecting the sound waves.
- Aesthetically pleasing with different colour options and designs
- Protects the wildlife from noise pollution
- Tested as per EN standards for acoustic and mechanical properties.

Noise intensity in dB.



Decible Scale

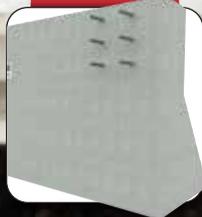


World Health Organization

As per World Health Organization noise above 65 dB is harmful.



STEP 01



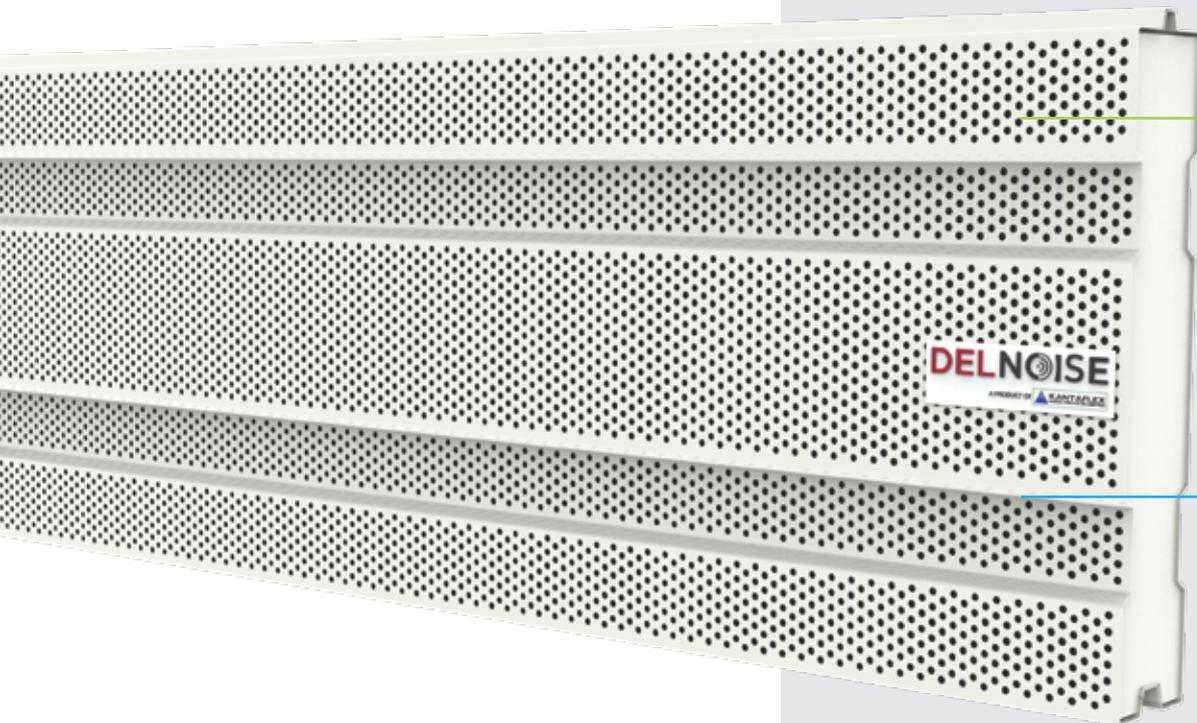
STEP 02



STEP 03



ABSORPTIVE BARRIER



ABSORPTION

Perforated holes for noise absorption

DIFFUSION

Angled corrugation area for noise diffusion

Delnoise absorptive type works on the principle by reducing the sound wave generated from the source by breaking it down to multiple small waves by the process of diffraction, until the sound waves break down to the maximum and loses its energy while coming out. This particular principle helps to reduce the noise level and protects the environment from noise pollution on both side of the panels, between the highway and the closely packed cities, towns, villages, forest areas etc. Designed as per Indian road congress (IRC) and European Union (EU) standard.

Characteristics



Acoustic panel to absorb noise upto 38 Db



Graffiti Resistant



Resistant To Extreme Weather & Dust.



Scratch Resistant



Long Life Time

REFLECTIVE BARRIER



Reflection

Solid transparent panel for noise reflection

Vision

Transparent panel for vision

Delnoise reflective type noise barrier works under the principle by redirecting the sound wave generated from the source by the process of refraction. This process greatly helps the reduction of sound in open areas where one side is occupied by villages, towns, cities etc and the other side is open. Designed as per Indian road congress (IRC) and European Union (EU) standard.

Characteristics



Transparent panel to reflect noise upto 29 Db



Reduce Tunnel Effect



UV treated to prevent from discolour



Resistant to extreme weather condition



Transparent material UP to 90% transparency

CREDENTIALS

It is noted that the design is well as per MSK & MSK standards & it may be done in respect of any day. With 7 days & 10 days of work of the
For Consulting Engineers Group LTD
(N.S. Vardhan)
Team Leader
Enk. No. 2024
Cell. No. 9442000000
1. Mr. Vardhan Engineer
2. Mr. A. S. Vardhan Engineer
3. Mr. S. Vardhan Engineer
4. Mr. S. Vardhan Engineer
5. Mr. S. Vardhan Engineer
(N.S. Vardhan)
Team Leader

Therefore on the strength of the test results, the source M/s Kantaflex India Private Limited, No. 213, Old + 113, Broadway, 1st Floor, Chennai-600108 for Metal Noise Barrier is approved subject to compliance of following:
Please submit the design details along with drawing for Metal Noise Barriers in compliance with the standards of European Union as mentioned in EPC Contract Agreement and draft IRC Guidelines of Design & Installation of Noise Barriers for Road, vide MSRDC Guidelines reference no.7, dated: 05-01-2021 for further review and approval at the earliest.
The copy of the test results obtained during further test is enclosed.
Regards,
T. Livingston Ebaner
Chief General Manager (PP & E)
Tel: 044 2759 2000
t.livingstone@cmrml.com

Ref No: 10/MSRDC/PP&E/2021/000108
Approved: 17-October-2021
To: The Supervising Engineer & P.E., MSRDC, Ltd. MSRP Package 02, Aurangabad (Maharashtra)
Project: Construction of Access Controlled Nagpur-Mumbai Super Communication Expressway (Sannodhdi Sannodhdi) in the State of Maharashtra under EPC Mode Package 02 from Km 286.448 to Km 343.888 (bridge segment) to village Pathanah, District Aurangabad.
Subject: Factory visit report & Recommendation of Professional Source Approval of the NOISE BARRIERS for the product of M/s KANTAFLEX India Pvt. Ltd., Chennai.
Ref: 1. EPC Letter No. MSRDC/PP&E/2021/000108 Dated: 11-10-2021
2. EPC Letter No. MSRDC/PP&E/2021/000108 Dated: 01-10-2021
3. MSRDC Guidelines MSRDC/PP&E/2021/000108 Dated: 25.01.2021
4. MSRDC Guidelines MSRDC/PP&E/2021/000108 Dated: 25.01.2021
Sincerely,
N.S. Vardhan
Team Leader

L.N. MALVIYA INFRA
No. LNM/IE/BC/GRP/1/2018/048/2017/01
To: The Project Director
Rajiv Chavhan - Noida Highway Express Limited
KMA, Noida, Noida, Noida, Noida
Gurgaon-122001 (Haryana)
Subject: Independent Engineer Services For "NS Testing - Existing Km 2+740 (Rajiv Chavhan) to Km 11+4 hybrid segment made in the case of Haryana "The of Company Profile of M/s Kantaflex Pvt. of Noise Barrier on the Project Highway.
Reference: Your letter no. BCSP/05E/2021/0E/054 dtd 20/09/2021.
Dear Sir,
This is in reference to the above letter and under reference mentioned for procurement and use of noise barrier of the profile of M/s Kantaflex Pvt. Ltd. is received and passed.
Please note that the products to be used for the subject specifications, Contract Agreement and other related to testing. Further, it is requested that the material specifications under shall be submitted for review and further necessary.

Chennai Metro Rail Limited
(A Joint Venture of Govt. of India and Govt. of Tamil Nadu)
T. Livingston Ebaner
Chief General Manager (PP & E)
Tel: 044 2759 2000
t.livingstone@cmrml.com
L.N. No. CMR/CONDES/09/18/0022 Date: 18.07.2022
TO WHOMSOEVER IT MAY CONCERN
Subj: Approval to use Noise Barrier by M/s Kantaflex India Pvt. Ltd., in CMRL Project - Ring
CMRML has "in-charge" in respect of Noise Barrier Manufactured by M/s Kantaflex India Pvt. Ltd. for the contractors for Chennai Metro Rail Project, provided the quality of the products meet the specifications as stipulated in the Contract.
The approval is subject to the following conditions:
1. This approval is given by CMRML on the condition of maintaining of quality as per stipulated standards.
2. Mandatory quality checks will be carried out as and when required as per the stipulated specifications.
3. Satisfactory performance tests to be conducted at independent laboratory and to be done by time 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. CMRML reserves the right to withhold the usage on the basis of review any time.
However the above approval will not be binding on CMRML, or their Contractors in any way for the usage of the above product in the project.
For Chennai Metro Rail Ltd.
Copy to: DP/CMRML for kind information please.

CONSULTING ENGINEERS GROUP LTD
in association with **SHRI KUSHALSURI ENGINEERING SERVICES PVT. LTD.**
Date: 05.07.2022
TO WHOMSOEVER IT CONCERN
M/s. Kantaflex India Pvt Limited, Chennai have manufactured and installed DELNOISE- SOUND BARRIER in Contract package 02 of Nagpur Mumbai Super Communication Expressway (Sannodhdi Mahanagar) to 17,003-Square Metres Approx.
The Noise barriers, supplied by M/s Kantaflex have been tested to EN standards for noise reduction at site and it is designed to have good performance of reduction of noise as per required standards.
We appreciate the team of M/s Kantaflex towards their dedication in supply and fitting of Noise barrier and development of such unique MAKE IN INDIA products might eradicate the noise pollution from our country.
We sincerely hope and believe that M/s Kantaflex will continue excellent work and we wish them all the best for their future endeavours.
for Consulting Engineers Group LTD
N.S. Vardhan
Team Leader

L.N. MALVIYA INFRA PROJECTS PVT. LTD.
No. LNM/IE/BC/GRP/1/2018/048/2017/01
To: The Project Director
Rajiv Chavhan - Noida Highway Express Limited
KMA, Noida, Noida, Noida, Noida
Gurgaon-122001 (Haryana)
Subject: Independent Engineer Services For "NS Testing & Strengthening of MS-540X From Existing Km 2+740 (Rajiv Chavhan) to Km 11+402 in Haryana under MSRDC-PP on hybrid segment made in the case of Haryana "Package - 1 Day Reporting Substation of Company Profile of M/s Kantaflex Pvt. Ltd. for Procurement and use of Noise Barrier on the Project Highway.
Reference: Your letter no. BCSP/05E/2021/0E/054 dtd 20/09/2021.
Dear Sir,
This is in reference to the above letter and under reference mentioned for procurement and use of noise barrier of the project site. In this regard, the company profile of M/s Kantaflex Pvt. Ltd. is received and passed.
Please note that the products to be used for the subject needs should adhere to MSRDC/PP specifications, Contract Agreement and other related to testing. Further, it is requested that the material specifications of the product used by the vendor shall be submitted for review and further necessary action.

L.N. MALVIYA INFRA PROJECTS PVT. LTD.
No. LNM/IE/BC/GRP/1/2018/048/2017/01
To: The Project Director
Rajiv Chavhan - Noida Highway Express Limited
KMA, Noida, Noida, Noida, Noida
Gurgaon-122001 (Haryana)
Subject: Independent Engineer Services For "NS Testing & Strengthening of MS-540X From Existing Km 2+740 (Rajiv Chavhan) to Km 11+402 in Haryana under MSRDC-PP on hybrid segment made in the case of Haryana "Package - 1 Day Reporting Substation of Company Profile of M/s Kantaflex Pvt. Ltd. for Procurement and use of Noise Barrier on the Project Highway.
Reference: Your letter no. BCSP/05E/2021/0E/054 dtd 20/09/2021.
Dear Sir,
This is in reference to the above letter and under reference mentioned for procurement and use of noise barrier of the project site. In this regard, the company profile of M/s Kantaflex Pvt. Ltd. is received and passed.
Please note that the products to be used for the subject needs should adhere to MSRDC/PP specifications, Contract Agreement and other related to testing. Further, it is requested that the material specifications of the product used by the vendor shall be submitted for review and further necessary action.

CONSULTING ENGINEERS GROUP LTD
in association with **SHRI KUSHALSURI ENGINEERING SERVICES PVT. LTD.**
No. LNM/IE/BC/GRP/1/2018/048/2017/01
To: The Project Director
Rajiv Chavhan - Noida Highway Express Limited
KMA, Noida, Noida, Noida, Noida
Gurgaon-122001 (Haryana)
Subject: Independent Engineer Services For "NS Testing & Strengthening of MS-540X From Existing Km 2+740 (Rajiv Chavhan) to Km 11+402 in Haryana under MSRDC-PP on hybrid segment made in the case of Haryana "Package - 1 Day Reporting Substation of Company Profile of M/s Kantaflex Pvt. Ltd. for Procurement and use of Noise Barrier on the Project Highway.
Reference: Your letter no. BCSP/05E/2021/0E/054 dtd 20/09/2021.
Dear Sir,
This is in reference to the above letter and under reference mentioned for procurement and use of noise barrier of the project site. In this regard, the company profile of M/s Kantaflex Pvt. Ltd. is received and passed.
Please note that the products to be used for the subject needs should adhere to MSRDC/PP specifications, Contract Agreement and other related to testing. Further, it is requested that the material specifications of the product used by the vendor shall be submitted for review and further necessary action.

L.N. MALVIYA INFRA PROJECTS PVT. LTD.
No. LNM/IE/BC/GRP/1/2018/048/2017/01
To: The Project Director
Rajiv Chavhan - Noida Highway Express Limited
KMA, Noida, Noida, Noida, Noida
Gurgaon-122001 (Haryana)
Subject: Independent Engineer Services For "NS Testing & Strengthening of MS-540X From Existing Km 2+740 (Rajiv Chavhan) to Km 11+402 in Haryana under MSRDC-PP on hybrid segment made in the case of Haryana "Package - 1 Day Reporting Substation of Company Profile of M/s Kantaflex Pvt. Ltd. for Procurement and use of Noise Barrier on the Project Highway.
Reference: Your letter no. BCSP/05E/2021/0E/054 dtd 20/09/2021.
Dear Sir,
This is in reference to the above letter and under reference mentioned for procurement and use of noise barrier of the project site. In this regard, the company profile of M/s Kantaflex Pvt. Ltd. is received and passed.
Please note that the products to be used for the subject needs should adhere to MSRDC/PP specifications, Contract Agreement and other related to testing. Further, it is requested that the material specifications of the product used by the vendor shall be submitted for review and further necessary action.

L.N. MALVIYA INFRA PROJECTS PVT. LTD.
No. LNM/IE/BC/GRP/1/2018/048/2017/01
To: The Project Director
Rajiv Chavhan - Noida Highway Express Limited
KMA, Noida, Noida, Noida, Noida
Gurgaon-122001 (Haryana)
Subject: Independent Engineer Services For "NS Testing & Strengthening of MS-540X From Existing Km 2+740 (Rajiv Chavhan) to Km 11+402 in Haryana under MSRDC-PP on hybrid segment made in the case of Haryana "Package - 1 Day Reporting Substation of Company Profile of M/s Kantaflex Pvt. Ltd. for Procurement and use of Noise Barrier on the Project Highway.
Reference: Your letter no. BCSP/05E/2021/0E/054 dtd 20/09/2021.
Dear Sir,
This is in reference to the above letter and under reference mentioned for procurement and use of noise barrier of the project site. In this regard, the company profile of M/s Kantaflex Pvt. Ltd. is received and passed.
Please note that the products to be used for the subject needs should adhere to MSRDC/PP specifications, Contract Agreement and other related to testing. Further, it is requested that the material specifications of the product used by the vendor shall be submitted for review and further necessary action.

CONSULTING ENGINEERS GROUP LTD
in association with **SHRI KUSHALSURI ENGINEERING SERVICES PVT. LTD.**
No. LNM/IE/BC/GRP/1/2018/048/2017/01
To: The Project Director
Rajiv Chavhan - Noida Highway Express Limited
KMA, Noida, Noida, Noida, Noida
Gurgaon-122001 (Haryana)
Subject: Independent Engineer Services For "NS Testing & Strengthening of MS-540X From Existing Km 2+740 (Rajiv Chavhan) to Km 11+402 in Haryana under MSRDC-PP on hybrid segment made in the case of Haryana "Package - 1 Day Reporting Substation of Company Profile of M/s Kantaflex Pvt. Ltd. for Procurement and use of Noise Barrier on the Project Highway.
Reference: Your letter no. BCSP/05E/2021/0E/054 dtd 20/09/2021.
Dear Sir,
This is in reference to the above letter and under reference mentioned for procurement and use of noise barrier of the project site. In this regard, the company profile of M/s Kantaflex Pvt. Ltd. is received and passed.
Please note that the products to be used for the subject needs should adhere to MSRDC/PP specifications, Contract Agreement and other related to testing. Further, it is requested that the material specifications of the product used by the vendor shall be submitted for review and further necessary action.

DELNOISE

DELETING UNWANTED NOISE



ADDRESS

Kantaflex (India) Private Limited
New# 213(Old #113), Prakasam Salai
1st Floor, Broadway, Chennai - 600 108, TN, India

☎ (+91) 44 2536 1242 / 25361462 ✉ info@kantaflex.in

🌐 www.kantaflex.in | www.delnoise.com



Installed by Delnoise at Nagpur-Mumbai super communication expressway.