

KIC is a family owned business started in the year 1973 by the founder Mr. Kanwal Jeet Singh.

Today, our expertise lies in the manufacturing of Rubber and Metallic Expansion joints, Vibration isolation technology and Design Engineering for Shock isolation, piping technology and Seismic applications.







VIBRATION, SEISMIC & ACOUSTIC ISOLATION

MODULAR PIPING SUPPORT SYSTEMS

DESIGN ENGINEERING





















We are committed to business process improvements in the engineering sector with a focus on automating Selection and Design technology. Our global strategic partnerships, enable us to create and deliver world class products for our customers.

RUBBER

PUMPS

CHILLERS

ELECTRICAL APPLICATIONS

DRAINAGE APPLICATIONS

BLOWERS

DUTY CONDITIONS

Temperature: 20°C 100°C

Pressure: PN 10 | PN 16 | PN 20

Sizes: 25mm to 2000mm ID

RUBBER EXPANSION JOINTS & BELLOWS

Arch Type

- Floating Flanges

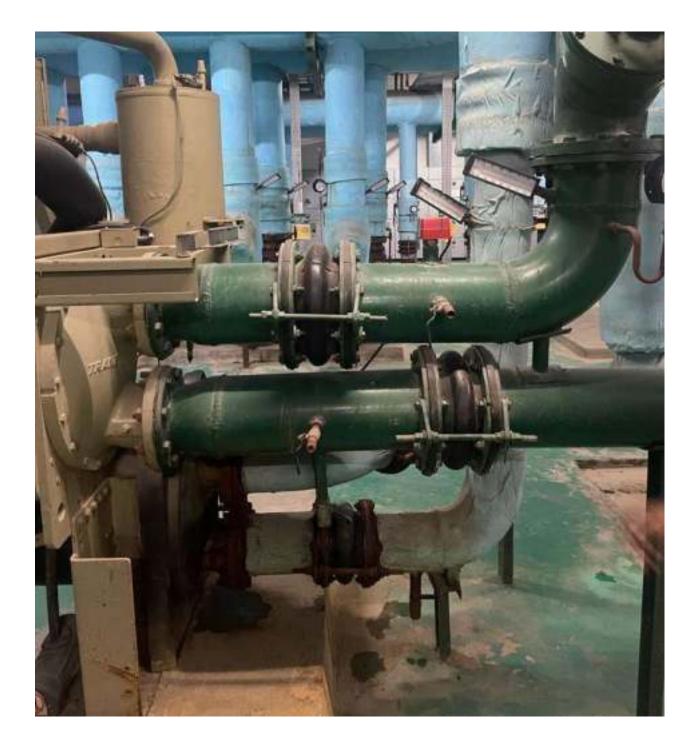
- Bus Duct Bellow

- Rubber Sleeve Joints

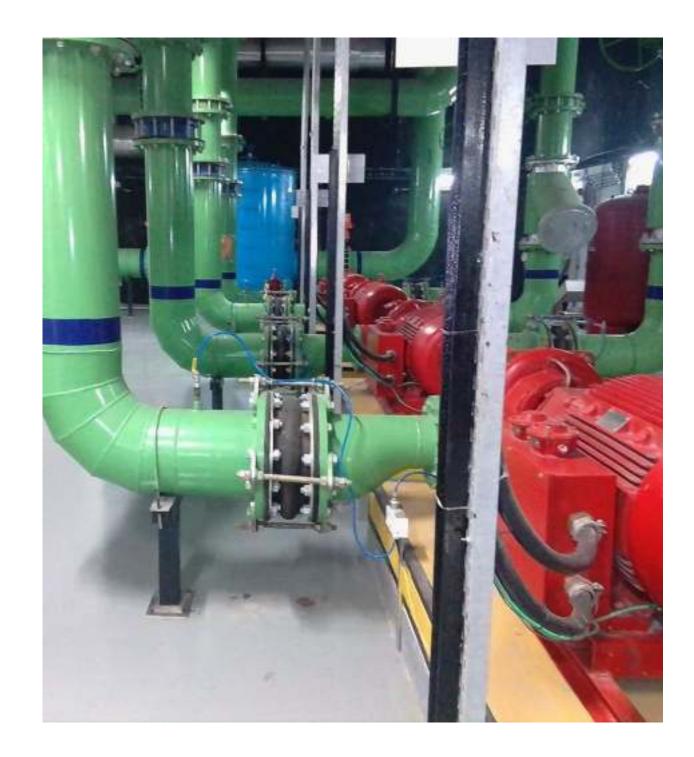
- Rubber Bellows for Drain systems



RUBBER







HYDRO TESTING PNEUMATIC TESTING

RUBBER





RUBBER







DRAINAGE & PLUMBING APPLICATIONS

RUBBER















BUS DUCT BELLOWS

RUBBER | ALUMINIUM



Bellows are used in the Electrical Bus Duct system which prevents the transmission of vibration to Electrical components.

Since pressure requirements in ducts are very low compared to piping systems, they are manufactured in lighter construction to be more responsive to the reduced stiffness of sheet metal ducting.

Aluminium / Copper can also be the material of construction for these applications.

Easyflex is OEM Supplier of bellows to NTPC & BHEL



They can be round, square, rectangular, even "T" or "L" shaped. These can also be constructed with Multiple Arches.

METALLIC

PUMPS

CHILLERS

GENSETS

FIRE PIPING

BOILERS & TURBINES

DUTY CONDITIONS

Temperature: -70°C - 1500°C

Pressure: PN 2 | PN 10 | PN 16 | PN 20 | PN25 | PN40

Sizes: 25mm to 4000mm ID

METALLIC EXPANSION JOINTS & BELLOWS

- Single Axial Joints
- Exhaust Gas Bellows
- Gimbal Expansion Joints
- Universal Expansion Joints
- Pressure Balanced Expansion Joints
- Stainless Steel Braided Hose Connectors
- Flexible Fire Sprinkler Hoses





Applications

PUMPS

CHILLERS

GENERATORS

BOILERS

TURBINES

ENGINES

EXHAUST DUCTS

FLUE GAS PIPES

Easyflex Metallic Expansion joints fitted at suction and discharge of Water Cooled Chiller at an International Airport facility.

METALLIC



Thermal Expansion in Piping & Ducting systems connected to **Mechanical Equipments cause Stress** and Vibration in the associated pipe work.

Expansion Joints are designed to withstand Pressure of the System with enough Flexibility to compensate for movements required by the piping.

Types of Movements

- Axial Elongation
- Axial Compression
- Lateral
- Angular
- Universal

A Metallic Expansion Joint is composed of a **Flexible Bellow Element** made up of a series of **Convolutions** with suitable end fittings.





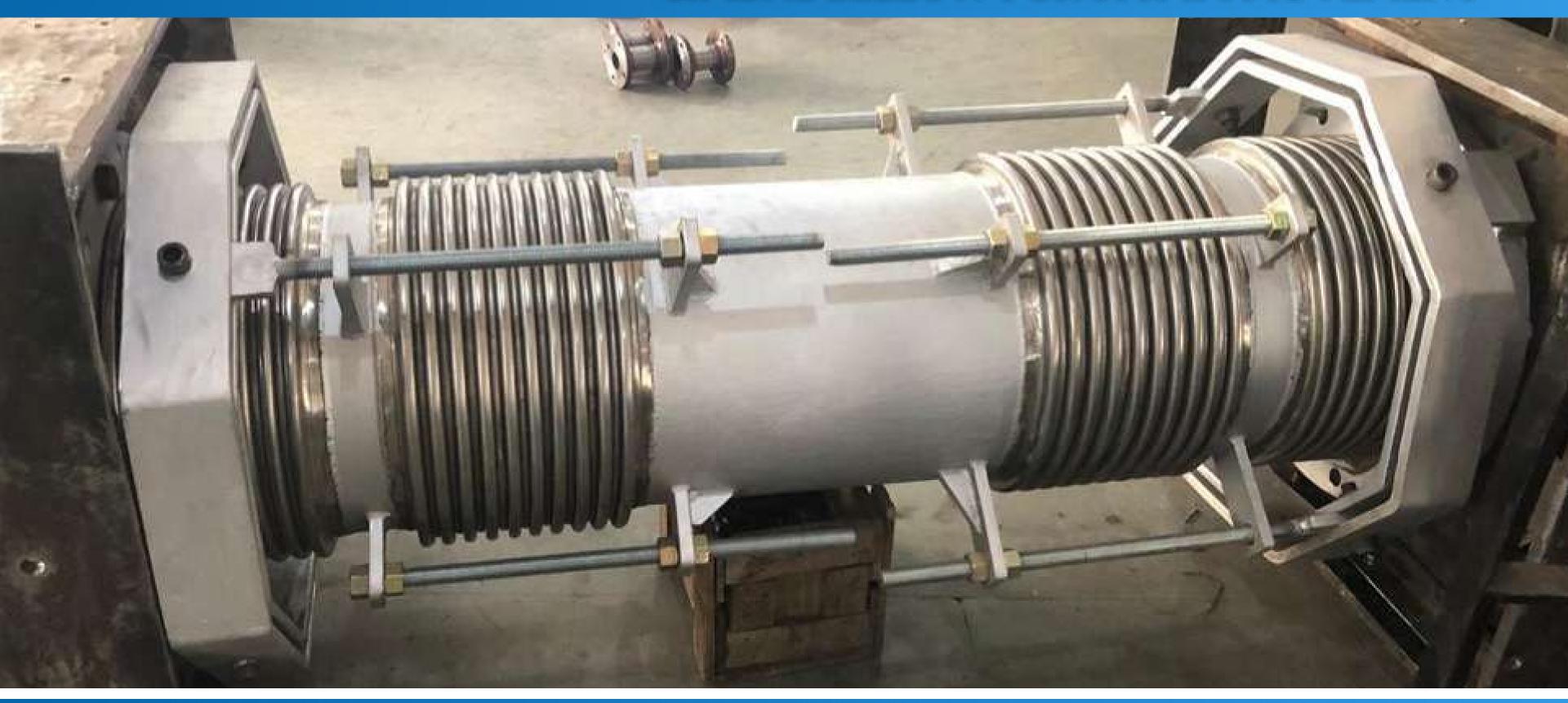


UNIVERSAL TIED BELLOW FOR PIPE RISERS





GIMBAL BELLOW FOR 300MM MOVEMENT



PRESSURE TESTING PNEUMATIC TESTING SPRING RATE TEST

SS Braided Hose Connections

Corrugated Metallic Hoses and SS braids combined with custom end fittings make up for Flexible Connections for

- Air Handling Units
- Fan coil units
- Steam generation
- Oil & Gas application



Available in SS304, SS316, SS321 - with end fittings like Fixed / Rotating Flanges, Couplings, Pipe ends and more.



MAJOR SUPPLY TO DATA CENTERS

AHU / FCU FLEXIBLE CONNECTIONS

EPDM HOSE WITH SS BRAIDING

With EPDM Lining and Brass End Fittings, these flexible connectors are the perfect cost-effective solution.





Also available in Corrugated Type Hose without Braiding

FIRE SPRINKLER HOSE PIPES

Braided



FABRIC

AIR HANDLING UNITS

AXIAL FANS

BLOWERS

AIR POLLUTION SYSTEMS

INDUSTRIAL DUCTING

DUTY CONDITIONS

- Materials: PVC | NEOPRENE | SILICONE
- Fabric only | GI Strip Connector | Flanged Connector
- Sizes: 150.200.300.350.1000.1500mm width
- 45x60|100|150.70x100|150

FLEXIBLE DUCT CONNECTORS

- Fabric Rolls
- Fire Rated Fabric
- Fabrics with GI Strip
- Fibreglass Insulated Fabric
- 2 Ply Fabrics | Double Canvas
- Factory Fabricated Flanged Connectors



FABRIC







FLANGED FABRIC DUCT CONNECTOR





FLEXIBLE DUCT CONNECTORS

Air Duct installation connected with **Fans**, **Blowers** and **Air Handling Units** transmit noise and vibration throughout the entire ducting

Flexible Connections in the form of **Fabric Rolls** or **Flanged Connectors** help isolate noise and vibrations from Air Handling Units



- UL Listed Fabrics
- NFPA Approved
- Fire Rated & Retardant
- Available in Rox, Neoprene,
 Silicone and Insulated Fibre glass
- For temperature ranges upto 260°C
- Customised to Round,
 Rectangular and Square connectors
- Also available for Double
 Duct applications



Round to Rectangular

FABRIC







FLEXIBLE CONNECTIONS
ROUND TO RECTANGULAR DUCT CONNECTORS | SIZE 1400 to 1350 DIA X 300mm OAL

VIBRATION ISOLATION

RUBBER & SPRING BASED

Vibration isolation is the process of eliminating unwanted vibrations in machines by isolating the equipment from the source of vibration.

The Easyflex Vibration isolation range is designed for Ceiling suspended and Floor mounted equipment taking into consideration various installation parameters.





EASY FOOT

SPRING BASED ISOLATORS

SPECIAL APPLICATIONS

INTERIA BASE FRAMES

RUBBER BASED ISOLATORS

EASY FOOT

HDPE FOOT WITH ANTI VIBRATION PAD

EasyFoot by Easyflex has been designed to carry large **Air Handling Units**, **Chiller Systems** and other heavy plant loads especially for Roof top applications.

Rooftop Supports for Equipment

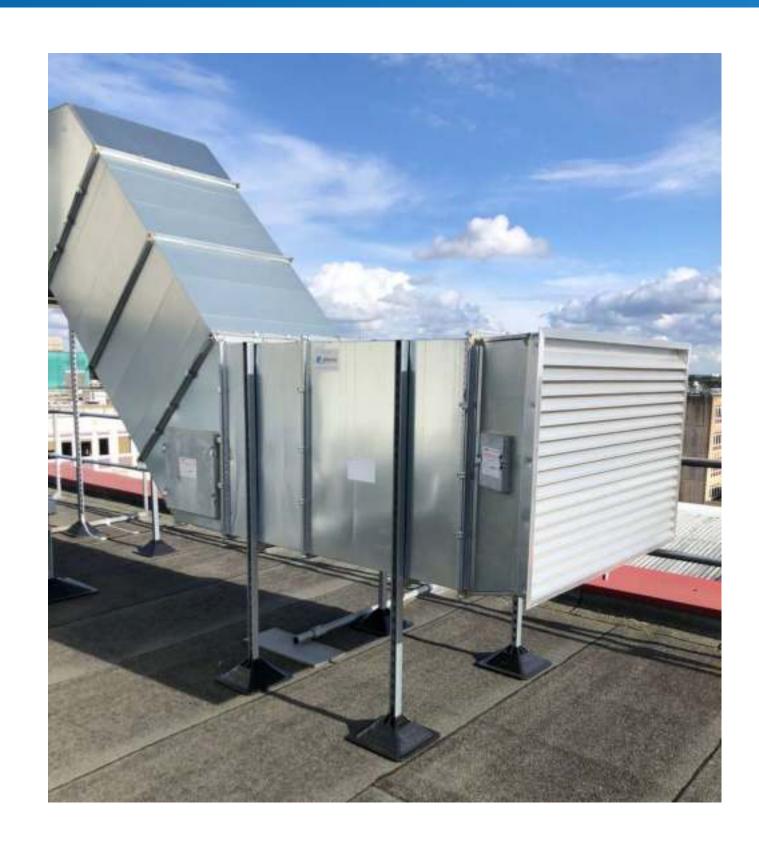
- Modular System
- Easy & Quick Installation
- Drilling or penetration of Waterproof Roof membrane is not required.
- Made from Recycled Rubber and adds to Carbon Credits for Green Buildings.

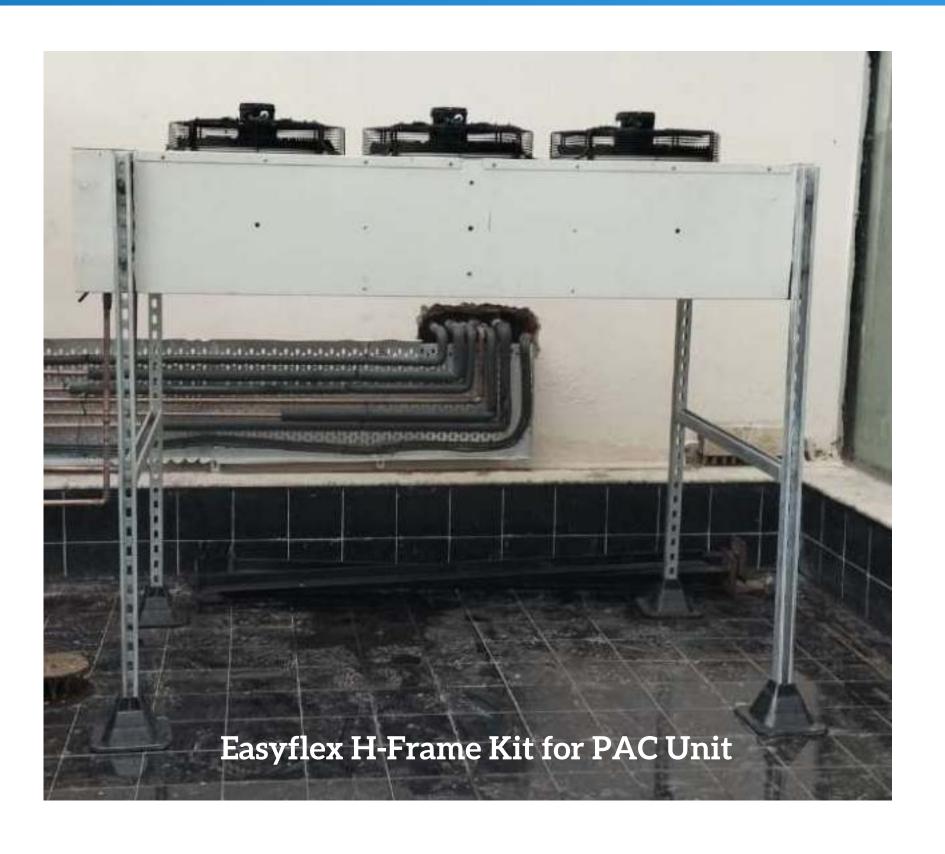




THE EASYFOOT

H FRAME KIT









EASYFLEX STRUTFOOT

RECYCLED RUBBER | PIPEWORK / CABLE TRAYS / OUTDOOR UNITS / SOLAR PANELS



AXIAL FANS

FLOOR MOUNTED



VIBRATION ISOLATION FLOOR MOUNTED EQUIPMENT | RESTRAINED / OPEN SPRING MOUNT

AXIAL FLOW FANS

Hangers are available in Spring, Rubber and a combination of both.

Fans, FCU's, AHU's and Chilled water pipes are common applications for these Spring Hangers.



Axial Fans installed with Spring Hangers and Flexible Duct Connectors



SPRING BASED VIBRATION ISOLATION

Restrained Spring Isolators



- Models with upto 9 Springs and more
- Point Load Capacity upto 16 TON
- Seismically Restrained Isolators









Enclosed Spring Isolator

Cased Spring Mount

Closed Spring Isolator

VIBRATION ISOLATORS

SPECIAL APPLICATIONS







SS Enclosed Spring Isolator

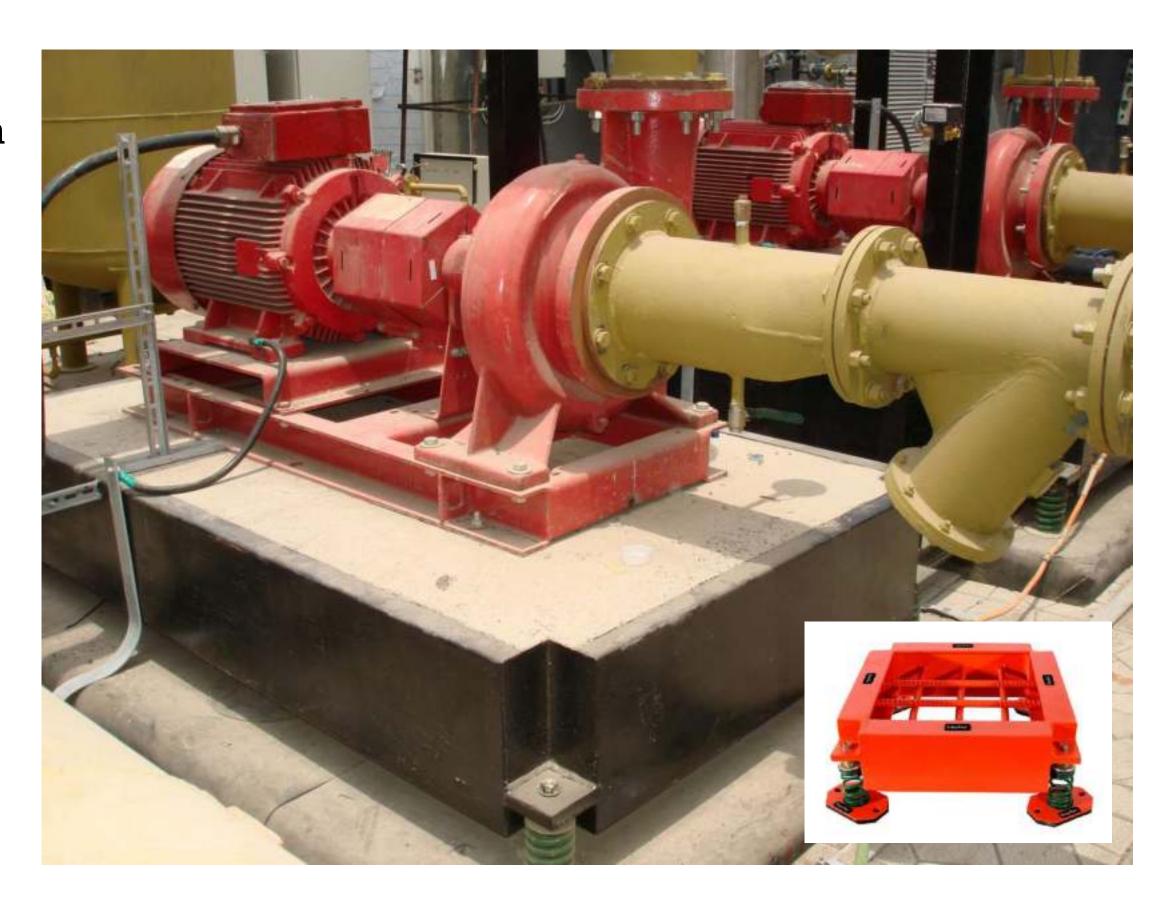


INERTIA BASE FRAME FOR PUMPS

Poured with **Concrete** and supported by **Noise & Vibration Isolators**, Inertia Base Frames are floating foundations for **Pumps** and are totally isolated from the structure due to Air Gap.

Easyflex Inertia Base Design Report contains Technical Parameters like:

- Estimated Base Design
 Dimensions & Weights (including concrete)
- Estimated Deflections
- Vibration Isolation Efficiency
 Calculation



DESIGN CRITERIA

The correct inputs are critical to selection and design of the right Inertia base to match the on-site installation parameters. Our Design team adopts a methodological approach to make sure the base is designed to suit site conditions.

Pump Make

Pump Type

Pump Dimensions

Pump Motor

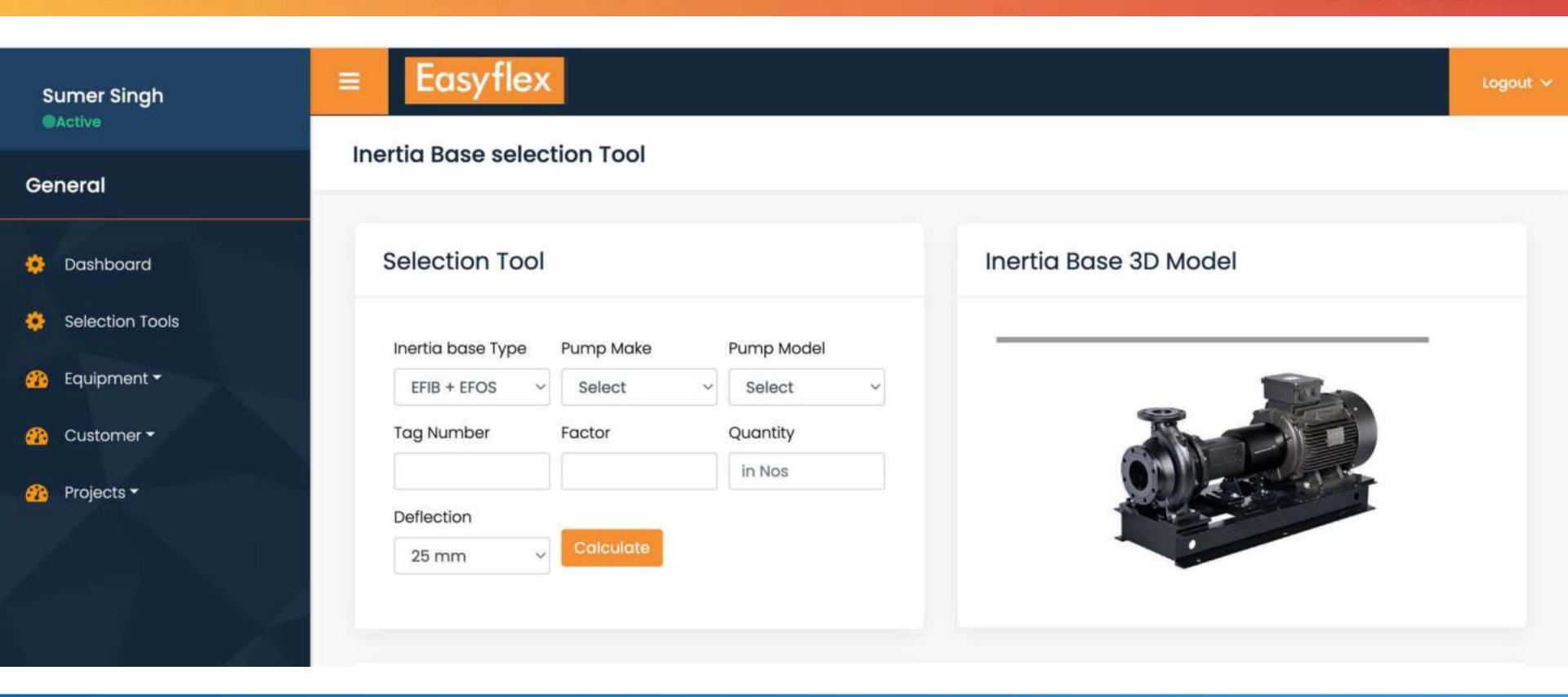
Installation Location

Foundation Details

Inertia bases provide suitable attachment for vibration isolators and reduce motion of equipment during start-up and shut-down.

Help to reduce rocking by lowering the equipment centre of gravity.



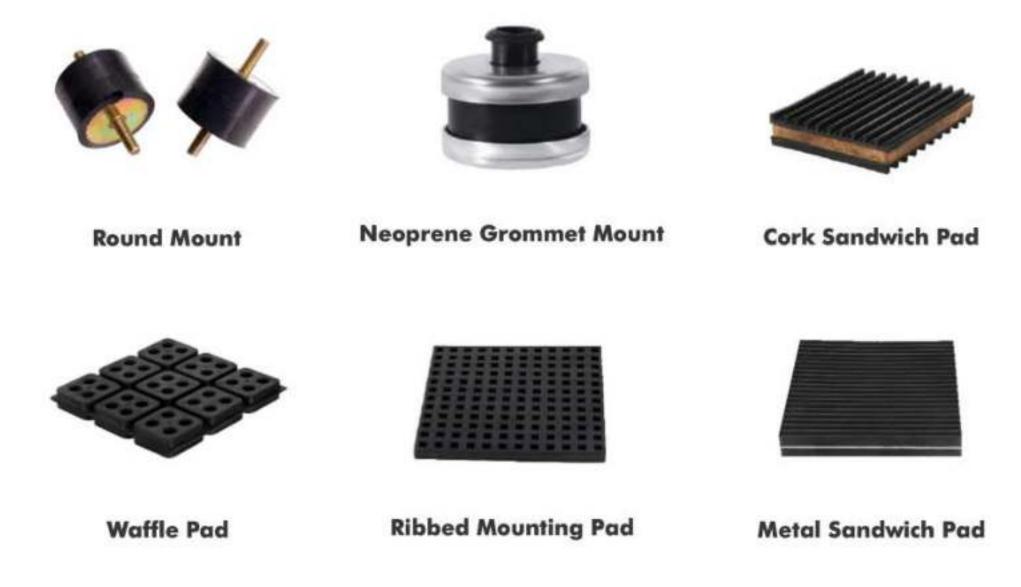


EASYFLEX INERTIA BASE SELECTION SOFTWARE 700+ PUMPS DATABASE INSTANT SELECTION | INERTIA BASE & VIBRATION ISOLATION DESIGN REPORT



ANTI VIBRATION MOUNTS & PADS

RUBBER BASED



These are mostly used for machine tools, production equipments, heating and ventilation equipments, pumps, generators, compressors, air handling units, fans, under heavy equipment, electronics or sensitive laboratory apparatus, business machines, computers and data processors etc



Easy Mount



Turret Mount

SEISMIC ISOLATION FOR PIPING & EQUIPMENT

The term "Seismic" refers to the forces related to the motions of an earthquake.

These forces interact with a structure in a random fashion – predominantly horizontal, often with directional emphasis & sometimes with a considerable vertical component.

Seismic isolation helps protect equipment by not amplifying the seismic input.

Seismic restraint is designed to keep equipment attached to a building structure so that it does not become a projectile.

ISOLATORS & RESTRAINTS

U & V CONNECTORS

WIRE BRACING SYSTEMS













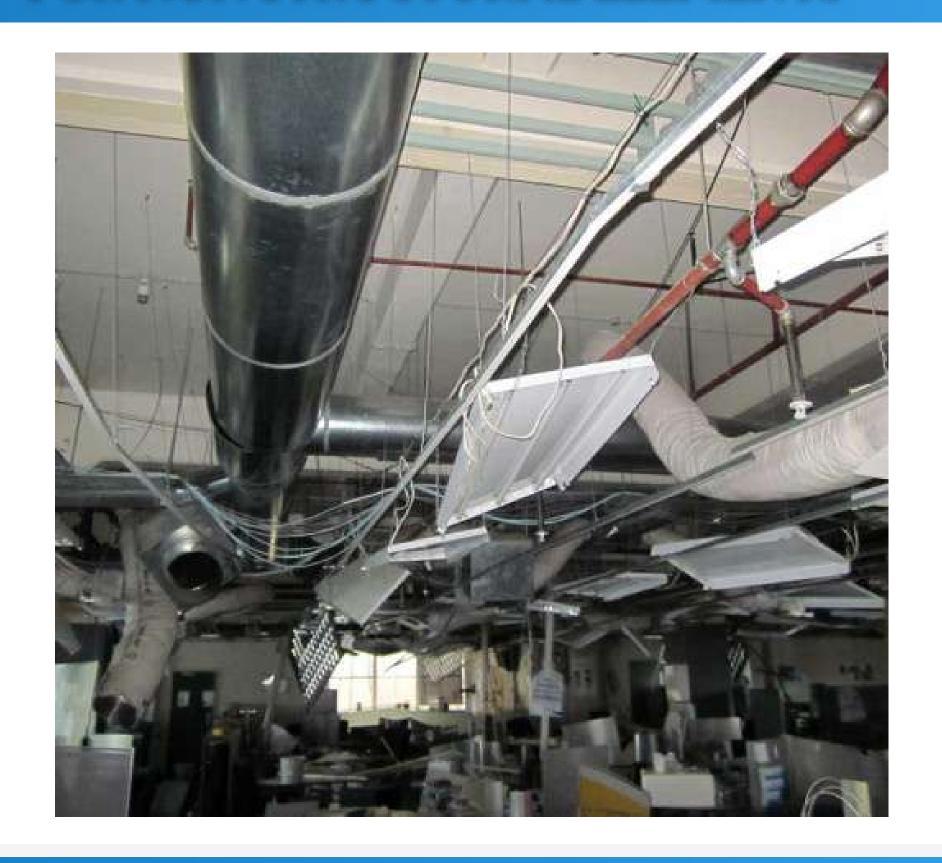
SEISMIC ISOLATION

FOR NON STRUCTURAL ELEMENTS

Negligence to secure non-structural elements of a building can lead to multiple negative effects

- Primary hazard: when the damage to the NSE can impair its own functionality and cause a threat to people's lives in the building.
- Secondary hazard: when the NSE can cause an action that may lead to loss of life, property and loss of building functionality.

For instance - damage to piping which leads to leakage of water, flooding the building and eventually shutting down the electricity, thus making the building unusable.



PIPING, DUCTING & CABLE TRAYS

Seismic Bracing Systems are designed and engineered to Brace and Secure Non-Structural Equipment (Architectural elements, Mechanical and Electrical equipment and supplies and other building furniture and services) within a building or structure to minimise Earthquake damage to suspended services.

EASYFLEX SEISMIC BRACING KIT

Seismic Rod Bracket

Seismic Bracket

Pre-determined length of wire



WIRE BRACING SYSTEMS PIPING / DUCTING ADJUSTABLE LOCK

SEISMIC ISOLATION

Building Codes in many areas require components to be capable of resisting forces created during a Seismic Event.

Resilient Snubbers used while installation can limit the motion experienced by equipment and ensure it remains in place.

Easyflex Seismic Snubber series is suitable for 250 Kg to 11500 Kg Point Load.



SEISMIC ISOLATION SEISMIC SNUBBERS & ISOLATORS





VENTILATION FANS



SEISMIC ISOLATORS

PROJECT: SEAWOODS - NAVI MUMBAI | RESTRAINED SPRING MOUNTS



SEISMIC ISOLATION
FLOOR MOUNTED | RESTRAINED SPRING ISOLATOR | 2 SPRING MODEL





With the loops extreme flexibility and low force to move, the loop absorbs the seismic energy and imposes minimal loads on the adjacent pipe hangers, supports or nozzle loads on major equipment. Unique to the loop is the incredibly low amount of force required to bend its legs, minimizing anchor loads, guiding and installation costs.

FLEXIBLE CONNECTORS

SEISMIC ISOLATION | MOVEMENT IN 6 DIRECTIONS | FOR FIRE PIPING AT BUILDING EXPANSION JOINT

PIPE SUPPORTS & CLAMPS



Sprinkler Clamp





Plain Split Clamp



EPDM Lined Sprinkler Clamp EPDM Lined Plain Split Clamp



Clevis Hanger



EPDM Lined Clevis Hanger



PE PIPE SUPPORT

ACOUSTIC ISOLATION

RUBBER & SPRING BASED

Architectural or acoustic isolation helps to absorb and isolate sources of noise and vibration and eliminate the transfer of sound energy from one environment to another.

To achieve Sound Isolation, Floating Floors are the most effective way of reducing sound transmission and vibration from the floor above.

Isolated walls are also an effective way to reduce sound transmission between rooms.

The Easyflex Acoustic Range is designed for

- Walls
- Floors
- Ceilings

Applications

HOTELS

RECORDING STUDIOS

GYMS

AUDITORIUMS

NIGHT CLUBS

SWIMMING POOLS

ACOUSTIC ISOLATION

FLOATING FLOORS





Jack Up mounts help create a floating floor with an Air Gap of 4 Inches for a Music Recording Studio.

ACOUSTIC ISOLATION

FOR DRYWALLS







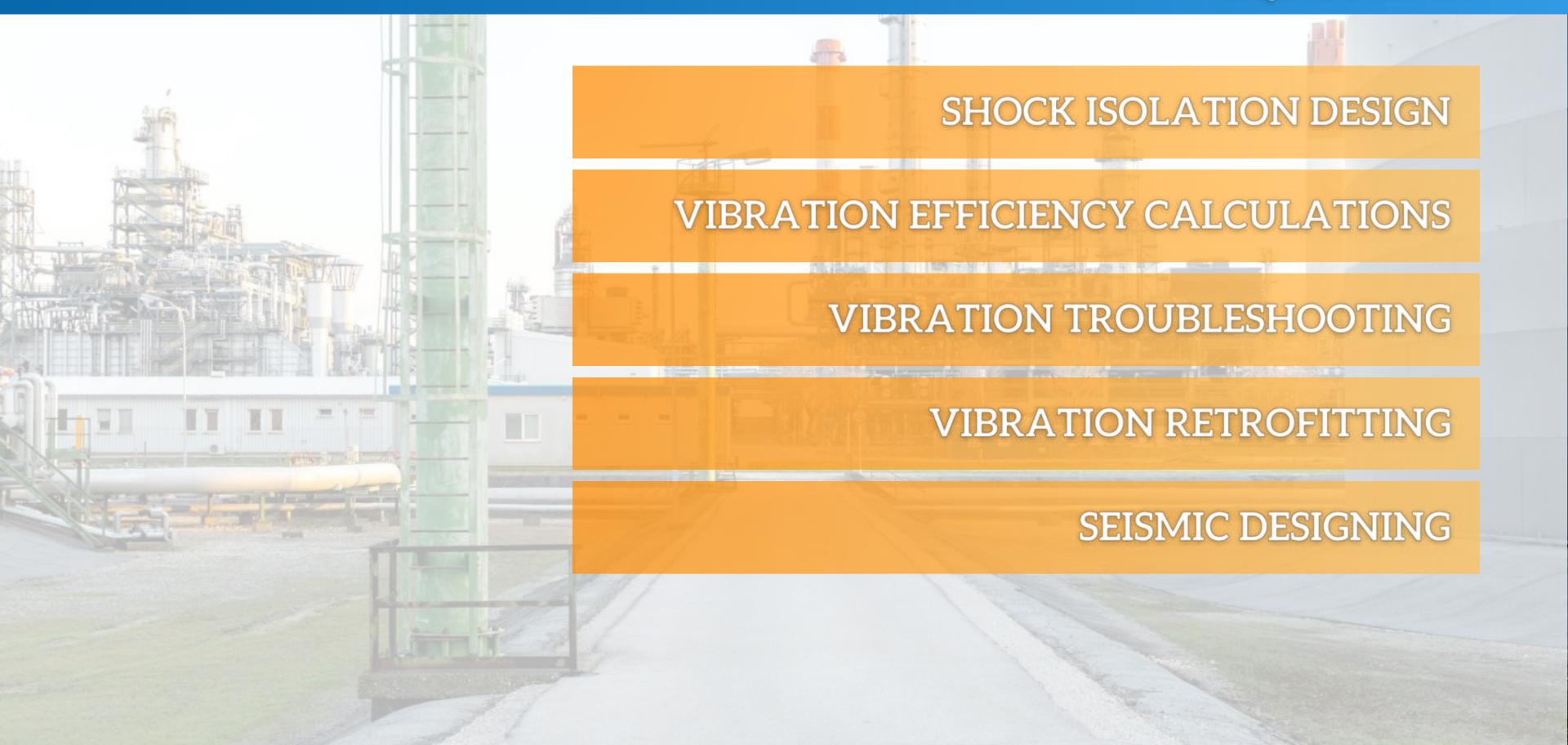


Wall Isolation Clips

Installation of Acosustical Furring Clip

DESIGN & ENGINEERING

EQUIPMENTS



DESIGN & ENGINEERING

PIPING



Easyflex

LANDMARK PROJECTS



AIRPORTS | METROS | BUILDINGS

DIAL	NEW DELHI	
BIAL	BANGALORE	
MIAL	MUMBAI	
CIAL	CHENNAI	
DMRC	NEW DELHI	
PUNE AIRPORT	PUNE	
TCS	NAGPUR	
TCS	HYDERABAD	
BOSCH	BANGALORE	
IICC DWARKA	NEW DELHI	
VODAFONE	MUMBAI	
CTS	косні	
CTS	CHENNAI	
CTS	KOLKATA	
SHELL	BANGALORE	
BRIGADE TECHNIPOLIS	косні	
MRO BOEING	NAGPUR	
GIFT CITY	AHMEDABAD	
AMAZON	MAHAPE	
мзм	GURUGRAM	
Hyderabad Metro TOD	HYDERABAD	



Easyflex

LANDMARK INTERNATIONAL PROJECTS

BAHRAIN

DALKIA DISTRICT COOLING

ACRAPITA

ISA SPORTS CITY

BAHRAIN CITY CENTER

BAHRAIN BAY PROJECT

DURRAT AL BAHRAIN

PLATINUM TOWER

OMAN

THE WAVE

BAIT AL REEM

BLUE CITY - PHASE 1

KOM-4

UNITED ARAB EMIRATES

HATTA SCHOOLS 1&2

XL TOWER

CAREFOUR, MUSAFFA

LIBERTY HOUSE

CENTRAL MARKET

FUJAIRAH BUSINESS CENTER

SAUDI ARABIA

DHAHRAN SWT PLANT

SRI LANKA

ITC ONE COLOMBO

ISRAEL

ELTA ISRAEL

BUILDINGS

PBCOM TOWER	PHILLIPINES	
IHG HOTEL	MAURITIUS	
LUSAIL PLAZA	QATAR	
BANK OF MUSCAT - HQ	OMAN	
NECCO	UNITED STATES OF AMERICA	
CARRIG	UNITED STATES OF AMERICA	
IDB BOSTON	UNITED STATES OF AMERICA	
THE FORD	UNITED STATES OF AMERICA	
PARCEL U	UNITED STATES OF AMERICA	
TOLL BROTHERS MEDWAY	UNITED STATES OF AMERICA	
DRAWDOWN BREWERY	UNITED STATES OF AMERICA	

AIRPORTS & METROS

RIYADH METRO	KINGDOM OF SAUDI ARABIA
MALE INTERNATIONAL AIRPORT	MALDIVES
KOLWEZI AIRPORT	REPUBLIC OF CONGO

INDUSTRIAL PROJECTS

AL DUR POWER PLANT	BAHRAIN
DANGOTE REFINERY	NIGERIA

PARTIAL CLIENT LIST



PARTIAL PROJECT LIST

Commercial & Office Buildings	Hospital & Educational	Governments	Metro's & Airport's
Net Magic IT Solution - Bangalore The Indian Film Combine - Maker Maxity - Mumbai Amazon - Hyderabad-Telengana RMZ Infinity Co works - Chennai Brigade Technopolis- World Trade Center - Kochi Wave One - Noida Wave City - Noida Esplanade - Bhubaneshwar NBCC - Kidwai Nagar J.P International Centre - Lucknow South City Mall - Kolkata Tata Brookfield Multiplex - Gurgaon Kalyani Tech Park P) Ltd Bangalore Netmagic IT Solutions - Mumbai DAICEC BKC Project - Mumbai Jodhpur Mega Mall - Jodhpur LUMAX CORPORATE OFFICE - Gurgaon	Agartala Govt Medical College -Cancer Hospital - Agartala SRM University - Amaravati- A.P. Benett University - Greater Noida Cancer Hospital - Lucknow National Cancer Institute AlIMS - Jhajjar AlIMS - New Delhi American Embassy School - New Delhi American International School - Chennai Apollo Lavasa Health Corp. Al Shifa Hospital Pvt. Ltd Kerala Columbia Asia Hospital (P) Ltd Mumbai Cresent Engineering College - Noida Columbia Asia Hospital Ltd Mysore Dr.N.G.P. Arts and Science College - Coimbatore Escorts Hospital - Faridabad Gautam Budh University - Greater Noida G K General Hospital - Bhuj	NBCC - Kidwai Nagar High Court - Lucknow Police Bhawan - Lucknow Marine Chemical Davison - Kutch Gujarat State Fertilizer & Chemicals Ltd Gujarat Gift City - Ahmedabad Amercian Embassy - New Delhi Asian Development Bank - Trivandrum BHEL - Haridwar Bulgarian Embassy - New Delhi CSEB - Korba Canadian High Commission - New Delhi DIAL - Delhi	Delhi Metro Rail Corporation - Delhi DMRC Phase-I - Delhi Hyderabad Metro Rail Corporation - Hyderabad Jaipur Metro Rail Corporation - Jaipur L & T Musarambagh - Hyderabad Mumbai Metro Rail Corporation - Mumbai Chennai Metro Rail Corporation - Chennai Noida Metro Rail Corporation - Noida Bangalore Metro Rail Corporation - Bangalore Rajiv Gandhi International Airport - New Delhi Chaudhary Charan Singh International Airport - Lucknow Kannur International Airport - Kannur
Industrial & Factories	Hotels	I G Stadium - New Delhi Indian Oil - Panipat	Cochin International Airport - Kochi Ahmdebad Intl Airport - Ahmedabad
Accent Hotel Pvt. Ltd Chennai City Mart Hotel - Sohna Road Cushman & Wekfield - Mumbai Clobal Automotive Research Centre (GARC) - Chennai DLF Hotels & Apartments Pvt. Ltd Gurgaon	ISRO - Shar Khalsa Heritage Project - Punjab National Institute of Biologicals - Noida	Rajiv Gandhi International Airport - Hyderabad Chenani Nashri Tunnelway Limited - Tamil Nadu Bengaluru International Airport - Bangalore	
BUILDINGS & FACTORIES IC - Mattanur Swidhinath Commercial Industrial Complex - Bhiwandi	Dodla Hotel - Trivandrum	Real Estate Developers	Residentials
MLCP - Gurugram IKG Industrial Building, - Gurgaon Abishek Industries - Gurgaon Aditya Birla Minacs - Aurangabad AFL Pvt. Ltd Chandigarh Asian Paints - Greater Noida Ajmer Vidyut Vitran Nigam Ltd Rajasthan Apollo Tyres - Bangalore A.G. Clothing Pvt. Ltd Chennai Bekaert Industries - Pune Bennet & Coleman - Sahibabad Bharat Heavy Electricals - Gujrat	GBU Guest House International - Greater Noida GMR Hotel - Andhra Pradesh Goan Hotels & Club Pvt. Ltd. Highland Hotels - Kochi Hotel West Inn Ltd Ahmedabad Hotel Holiday Inn - Delhi Indus Hotel - Dwarka Indus Hotel Pashim Vihar Inorbit Mall - Mumbai ITC Hotels - Bangalore ITC Hotels - Calcutta ITC Parel - Mumbai	HCL IT City - Lucknow Condor One Realty - Gurgaon Lodha Belmondo - Mumbai Lodha World One - Mumbai SuperNova - Noida DLF IT Park-1 - Kolkata Brigade Enterprises Limited - Kochi NBCC - New Delhi	My Home DIVIJA - Hyderabad- Telengana DLF Crest - Gurgaon DLF Cameliyas - Gurgaon HEARTSONG - Gurgaon Vijayashree Layout - Bangalore Jaypee Greens - Greater Noida Vipul Belmonte - Gurgaon Omaxe Forest Spa - Noida

