



TOWARDS EXCELLENCE
IN INDUSTRIAL SOLUTION

VISION :

To promote excellence in Industrial Engineering solution with technological innovation on the foundation of distinct quality and corporate values.

MISSION :

To exceed in the Industry through Fresh and Focused approach to attain full potentials.

POLICY STATEMENT :

KES is committed to satisfy the requirement and expectation of its entire customer through the provision of technically excellent and cost effective services.

KES PROFILE :

KES started operation in the year 2017 with very renowned concept of catering varieties of industrial services. This innovative concept based on **“One Stop Solution”** of all kind of Industrial Construction, including Pre Engineered Buildings (PEB), Industrial Flooring, Ventilation System for roof & wall and other value added services like AMC (Annual Maintenance Contract) of PEB Sheds, Waterproofing of RCC Terrace and Metal Roof sheeting, Cool Roof Paint on Metal Roof Sheeting, complete Retrofitting of old sheds and many other services.

As the scope of industrial segment increasing large scale, the idea of establishment of **KES** with vision to make a mark as a colossal in the industry as a trusted and certified engineering service company.

**TOWARDS EXCELLENCE IN
INDUSTRIAL SOLUTION**

EXPERIENCED TEAM ONBOARD



KES Group highly recognized in field for our following remarkable services

Turn Key Solution for industrial building:

- Any Construction
- Effluent Treatment Plant (ETP)
- Pre-Engineered Building -PEB
- Epoxy / PU Flooring & Densification
- STP/WTP/ETP
- Fire Hydrant System

Building Maintenance:

- AMC (Annual Maintenance Contract) for Pre Engineered Building
- Retrofitting and customized fabrication
- Waterproofing
- FRP / ALUMINIUM / SS Sheeting & Products

Building Heating and Ventilation Management System:

- Natural Ventiation & insulation
- Cool roof Paint



1) EPC (Engineering, Procurement & Construction) Services for Turnkey Industrial Construction:

We at KES aim to provide one stop solution to client. We provide complete turnkey contracting solution including CIVIL & PEB. KES is a company which works for client from concept to completion of project. We have extended in to area of Project Planning, Execution to implement of State of art technology.



In Turnkey Project solutions, KES's scope of work & services includes the following:

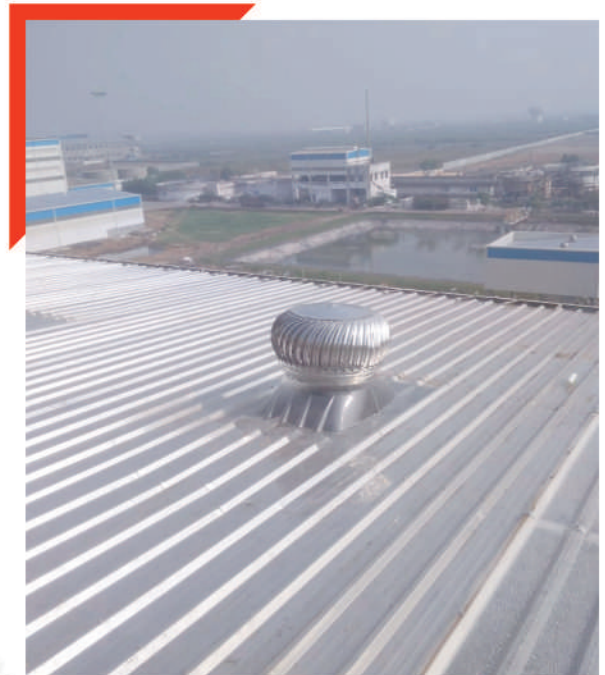
- Architectural services & RCC design
- Plot leveling & excavation
- RCC & Civil Construction, including Office & Utilities
- Internal Roads
- Design, Manufacture & Erection of Pre-Engineered Steel Buildings
- Roofing, Cladding in Single skin sheets or in Puff Panels
- Utilities – MEP
- Fire Hydrant System with Detection & Suppression System, with automation

Why KES for EPC Work

The Turnkey Project solution, PEB-Civil combination enables KES to precisely synchronise its On-site civil construction activities with those of In-shop PEB design & manufacturing activities and prioritize them as per Customer's requirements.

- No co-ordination lapses as all critical activities are under the scope of KES on Turnkey basis
- In-house facility for RCC, PEB design & Architectural services, hence speedier site mobilization & startup of work

- Qualified & experienced manpower at all levels in PEB, RCC design, Civil execution, Supervision, Engineering, Planning & Management
- PEB Manufacturing & Civil executions are carried out in a precisely planned manner with the help of Bar charts & schedules for entire scope of work including design, detail drawings, execution & completion.



3) Epoxy & PU Floor Coating & Floor Densification

EPOXY/PU FLOOR COATING

Our organization is engaged in offering an extensive range of Flooring & Coating services, with the assistance and guidance of our dedicated professionals.

Offering Following Services

- 1) Epoxy Flooring
- 2) PU Base Flooring
- 3) Densification

USP of Our Services

- Warranted solution
- Reliable service
- Cost Effective solutions
- Most appreciated by wide range of clientele

B) FLOOR DENSIFICATION

Based on Specific requirement, Floor Densification also carry out. It makes an extremely hard, dense floor surface that has increased wear resistance to foot and fork lift traffic.

VALUE ADDED SERVICES :

1)Water Treatment Plant (WTP) /Effluent Treatment Plant (ETP) /Sewage Treatment Plant (STP)

KES- A water & Waste water management Company

By considering environmental responsibility towards water, KES has forayed in to water and sewage water treatment plant. KES product range is mainly split in to two market Vertical Water Treatment & Waste Water Treatment.

We do design, supply, commission and maintenance of

1) Water Treatment Plant

Industrial RO Plants, Ultra Filtration Plants, Pressure Sand Filers, Multi Grade Sand Filters, Dual Media Filters, Side Stream Filters, Water Softener Plants, Mix Bed Units, Ro Plants and many more.

2) Waste Water Treatment

- ETP/STP
- MBBR
- MBR
- Septic Tank
- Grey Water Treatment
- Ozone Technology

We are dealing in following Sectors.....

**Automobile
Industries**

**Beverages
Industries**

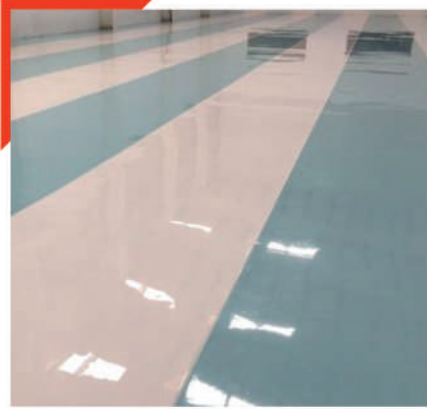
**Chemicals
Manufacturing**

Dairy Industries

**Textille Dyeing
& Printing
Industries**

**Engineering &
Electroplating
Industries**

**Food Processing
Industries**



FIRE HYDRANT SYSTEM :

Few of Major Fire Fighting equipments are as

- Fire Extinguishers.
- Fire Alarm Systems (FAS)
- Smoke Detectors.
- Fire Hydrants.
- Fire Sprinklers.
- Fire Blankets.
- Related valves, Pumps & other accessories.



KES offers Annual Maintenance Contract (AMC) for all kind of industrial sheds and Providing Internal and External preventive measures to enhance life of Sheds.

Maintenance depends upon the locality and environment of the building. Frequency of maintenance is dependent upon the Internal & External environmental zone in which the building is located.

PEB / Factory Shed Location	Period Requirement of Maintenance
Within 5 Km of the sea	Every 3 months
High pollution industrial area	Every 3 months
Medium pollution industrial area	Every 4 months
Area of high humidity	Every 4 months
Low pollution industrial area	Every 6 months

EXTERIOR MAINTENANCE PARAMETERS :

- Checking of Roof Sheeting (i.e. Hi Rib/ Standing Seam Sheeting) condition
- Checking of False Holes/Damage on Roof Sheeting i.e. Holes/ Dets etc.
- Cleaning of Debris & particles from Roof sheet
- Checking & Cleaning of Gutters (Galvalume OR GI Gutter with FRP OR MS Gutter) & Downtakes (Galvalume or PVC) and their connection/Downtake alignment and Straps.
- Cleaning of Wall Sheeting
- Roof Accessories Checking's i.e. Turbo Vents Fixing/ Ridge Vent Fixing/ Skylight Fixing arrangement etc. and if necessary rectify with tightening the screw.
- Checking of Roof Monitor Mesh and Fixing / Checking of Form Closures, Transition Flashing and if necessary rectify with tightening the screw.
- Checking of all Corner Flashing/ Masonary Flashing and related joints and if necessary rectify with tightening the screw.
- Wall Sheeting lapping screws/ Connection with Wall Lights & S Type Louvers or Industrial Louvers and if necessary rectify with tightening the screw.

INTERIOR MAINTENANCE PARAMETERS

- Checking the Bolt connection randomly for:
- Column to Base Plate connection/ Column to Column Joint Connection/ Column to Rafter Connection Checking (Randomly) and Tightening if necessary.
- Crane Beam
- Bracing
- Cable tray & Pipe rack
- Mezzanine beam & Joist
- Staircase
- **Cleaning (Optional)**
- Cleaning of Columns and Girts (Optional if specified)



RETROFITTING OF INDUSTRIAL SHEDS

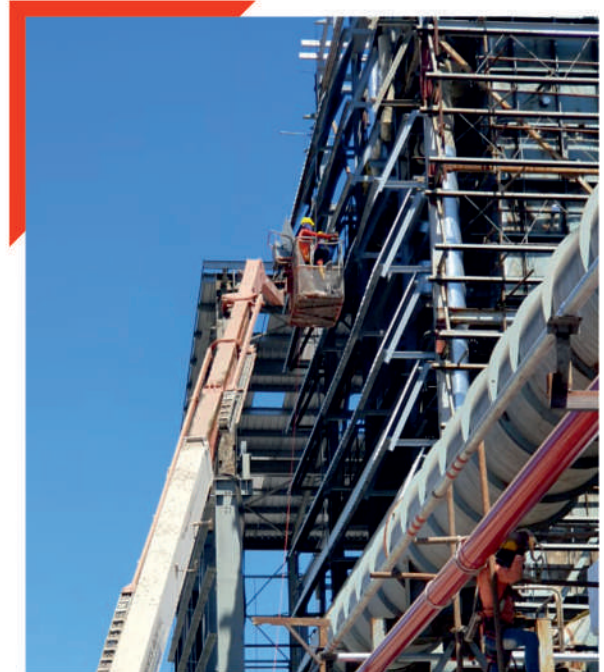
KES offer package of Retrofitting of old industrial sheds & warehouses. This distinctive work can be carried out with uncommon experience team with all safeties. We provide following services,

- a) Changing of Old Roof/ Wall Sheeting with new Galvalume Sheeting
- b) Changing of Gutter & Downtakes along with Flashings
- c) Fixing of new accessories like Skylights/ Wall lights/ Turbo Vents/ Louvers, etc.

**Damaged Gutter
(Before)**



**Damaged Gutter
(After)**



CUSTOMIZED FABRICATION & ERECTION

Design and Installation of Mezzanine Structures

KES provide comprehensive solution for customized structure fabrication i.e. Structure Mezzanine with deck sheeting, Shear Studs, Handrails, Steel staircase, etc. for existing operational plant and also for new shed. We provide one stop solution from Design/Manufacturing to Erection.



Design and Installation of Cable & Pipe Rack Supporting Structure.

At **KES**, we offer a complete solution for hanging and fixing pipes and instruments cables for mechanical, electrical & Industrial trades. We can help the moment you start your design to the moment you final solutions. We make and design cutting edge modular support system for light, medium & heavy duty application.



WATER PROOFING

We are trustworthy service provider of the industry involved in offering a wide array of Waterproofing and Coating Service. Our offered services are admired for their accurate results and timely execution.

We serve Chemical Water Proofing for,

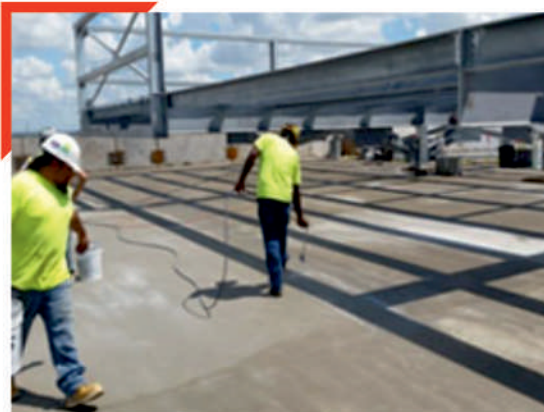
- a) Old and New RCC Building Terrace
- b) Old & New Factory Shed (Top of Roof Sheeting)

Chemical waterproofing is the replacement of old conventional waterproofing method and carry out with expert team. We also provide chemical coating for very specific & special requirement.

Advantages of Chemical Waterproofing against Conventional method

- 1) Unmatch Crack Bridging ability due to elastomeric property.
- 2) Makes concrete more cohesive, hence protects steel better against corrosion
- 3) Reinforced with glass fibers for superior abrasion resistance.
- 4) High sheen, brilliant white color and thick coat results in high levels of heat reflectance.
- 5) Reduces carbon dioxide and chloride ion diffusion thus protecting re-bars against corrosion.
- 6) Comparatively, Cost Effective Solution.

Waterproofing on RCC Terrace



Waterproofing on Industrial Sheds (Above Roofing Sheet)



4) FRP Products & Services

KES provides quality products & unmatched services in innovative & cost effective products in range of FRP for best industrial solution. We take as turnkey job from supply to fixing of following range of FRP Aluminium / ss products.

Application of One Side Gel Coated Panels

Petro- Chemicals	Snow Area
Cooling Tower Cladding	Fertilizer Plant
Hazardous Chemical Industries	Coastal Plant
Salt Plant	Effluent Treatment Plant
Heavy Rainfall Area	High Temperature Working Area for Roofing. i.e. Boiler Shed.



In addition to this, KES also deals in supplying and fixing of FRP Gutter & Downtakes with various sizes and Shapes.



With an increased awareness of the cost and environmental impacts of energy use, natural ventilation has become an increasingly attractive method for reducing energy use and cost and for providing acceptable indoor environmental quality and maintaining a healthy, comfortable, and productive indoor climate rather than the more prevailing approach of using mechanical ventilation. In favorable climates and buildings types, natural ventilation can be used as an alternative to air-conditioning plants, saving 10%–30% of total energy consumption.

Following are the options provided by KES as per the specific requirement of required comfortable inside working atmosphere with combination to other Heating and ventilation managing products.

CLASS-1 ROOF MONITOR :

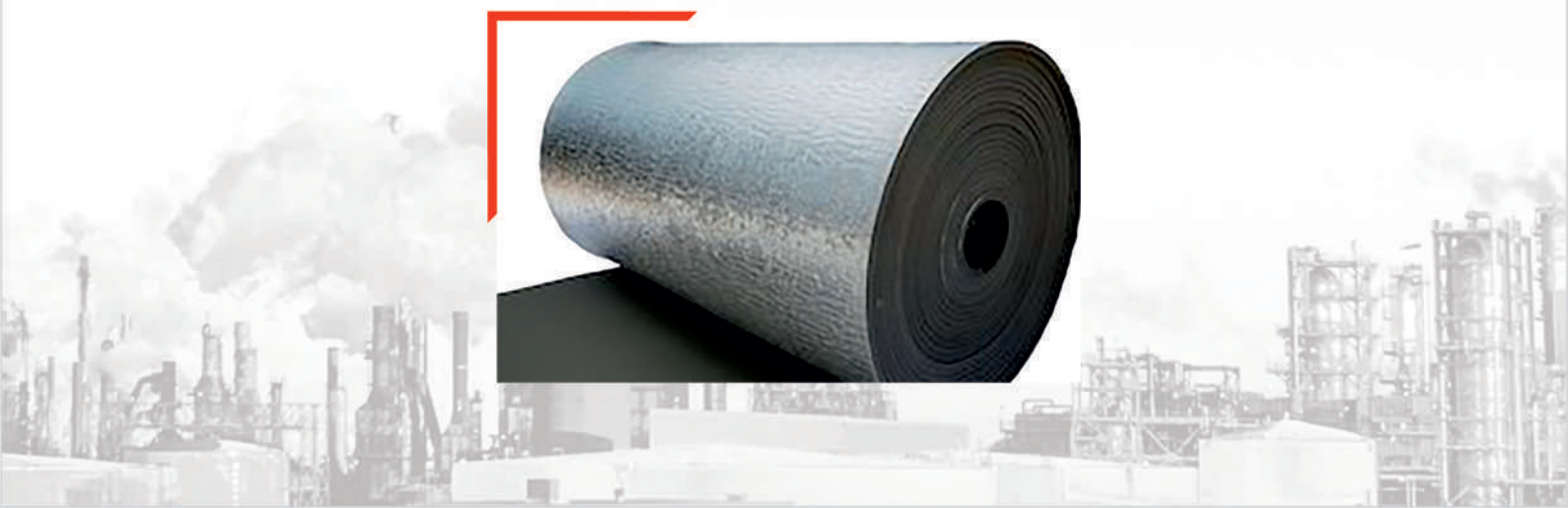
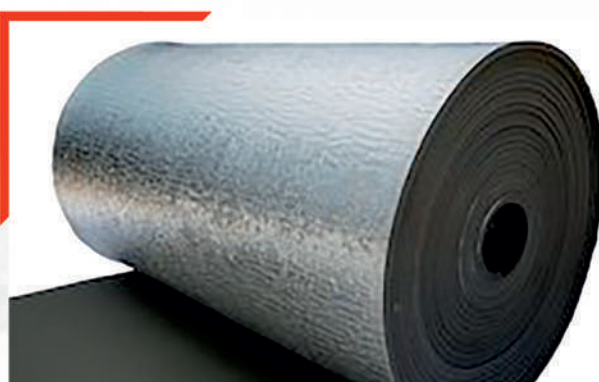


CLASS-2 RIDGE VENT AND LOUVERS :



RIDGE VENTS

S TYPE LOUVERS



2. COOL ROOF PAINT

Metal roofs are prone to rust because they are constantly exposed to the elements. KES offers an excellent services by updating your roof and prevent further rusting by cleaning it up and giving it a special coat of paint. If properly painted, the paint will not only improve the appearance but protect the roof from further rusting. A well-done paint job can last for several years. Another special paint will serve both purpose of Rusting and Cooling of roof and wall sheeting for many years

Reasons To Choose Roof Coating

PROBLEM	SOLUTION
Harsh environment, variations in temperature, UV Rays, acid rain, affects the lifespan of metal roofs.	Cool Roof coating is a heat-reflective coating also helps control roof leakage and corrosion
Leakage around loose fasteners, flashings drain outlets is a common.	Stop the rust and corrosion process with application of Rust inhibiting primer followed by fixes bridge any existing gaps in the roof
Metal roofs start corroding leading to Leakages	Economical option besides a complete roof replacement
Full roof replacement is probably a six figure replacement figure investment for building owners	Avoid disruptive replacement cost by revitalizing your existing roof. Thus avoid shutdowns and disruption
Conventional roof paint absorbs heat	Cool Roof coating offers a 5 year performance warranty, formulated to not peel, flake or crack. Extending the life of your facility

BENEFITS OF COOL ROOF COATING :

1. Have a SDR – Solar Direct Reflectivity 0.85 & Solar Reflectance Index (SRI) of 109 which indicates total reflectance value, an ability of material to reflect solar energy.
2. Cool Roof have an excellent resistance to water, also water proofs your roof. Moreover, it doesn't get affected by mild acid rain.
3. Compliance with LEED Certification, ECO Friendly
4. Offers long term dirt pick-up resistance – Essential for maintaining the solar reflectivity.
5. Excellent adhesion and flexibility offers a 5 year product performance warranty



A Cool Roof Paint reflects & emits the Sun's heat back to the sky instead of Transferring it to the building below and emits absorbed radiation back into the atmosphere.

CLIENT NAME LIST



Turnkey Solution | Civil | PEB (Pre-Engineered Building)

STP / WTP | Building Maintenance

Water Proofing | Industrial Flooring

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