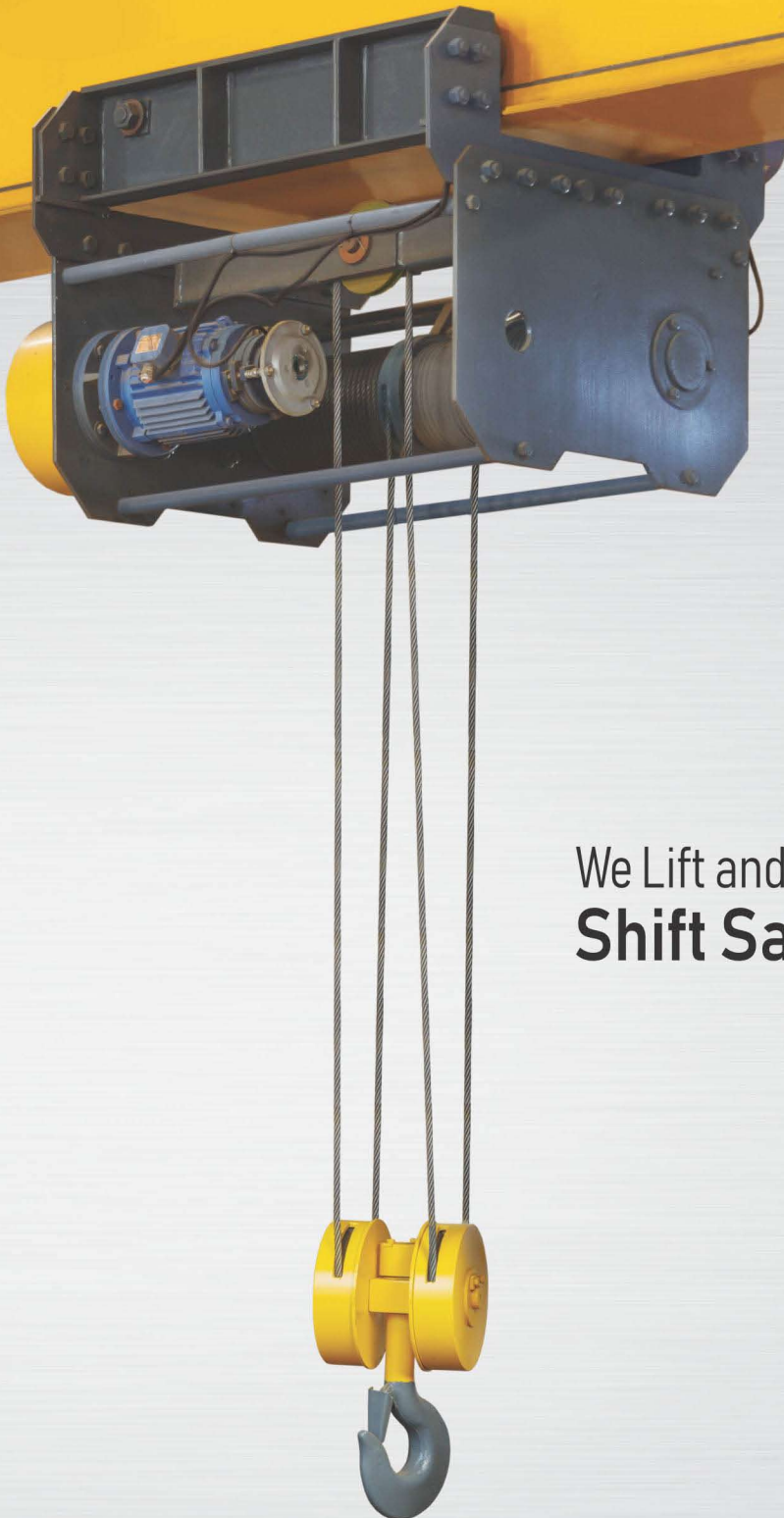




# GANESH

[www.ganeshcrane.com](http://www.ganeshcrane.com)



We Lift and  
**Shift Safely**



**Ganesh**  
Engineering Co.





## ABOUT US

We "GANESH ENGINEERING CO" are leading manufacturer and suppliers of Materials Handling Equipment such as Single Girder / Double Girder EOT cranes, Wire Rope Hoists, Jib Cranes, Goliath/Gantry Cranes, Wire Rope Winches, Monorail Hoists, under slung Cranes, Goods lifts and Industrial sheds etc. since 2000. We are manufacturing our equipment strictly as per IS CODE 807, 800, 3177, 4137.

Our Independent Manufacturing units are located in prime location of Ahmedabad nearby Airport, Sea port and National Highways and all units are well equipped with all modern tools, state-of-the-art- technology and machineries. We have experienced and qualified technical staff and skilled technician to complete standard or customized Quality Equipment timely, safely and satisfactory.

We continuously work hard in R & D and taking constant feedback from end user of product for giving best product and service to our customers. for this our designs are changed continuously and we maintain old design spares for our existing supplied equipment for quick service and parts availability. Our Company is led by Mr. Paresh Kareliya He has a Vast Experience in same field for Marketing, Designing, and Production.

We have earned such reputation from our customer that they are marketing and sales our product by giving their valuable reference to other customers.



## AFTER SALES SERVICE

For after sales service we have team of trained mechanical and electrical engineers as well as Forman and other staff to provide quick service we also provide Installation & Maintenance user manual, by phone service and Onsite Support.

- One year warranty for Cranes.
- Providing free quick-wear part.
- Low charge for continue maintenance when warranty is expired.
- Exclusive engineer support at any time.
- Highly professional training to end-users.

These parameters have secured our major market share in both the Indian and overseas market.

## VISION

We aspire to be a global manufacturer and market leader of the highest quality EOT cranes and related solution & Maintenance free Equipment.

## QUALITY POLICY

We Ganesh Engineering Co. use strict Quality plan for manufacturing our products by using various type of quality check as per below.

- Design Verifications
- Physical inspection of Raw Materials
- Chemical Testing of raw materials
- Ultrasonic testing for raw materials
- Mechanical Parts Like Wheels, Gears, Pinions, Shafts Dimensions, Precision and Hardness Check.
- X-ray Test for welding
- Dimensions check for various assembly.
- Line, Level & Diagonal Check for crane and crab to ensure smooth running of crane.
- Paint DFT Check
- No Load Test and load test as per various IS Code.

Strict quality checks, records and test certificates edge the final finish product of high quality without any manufacturing defects. Thus "Ganesh Engineering Co" always guarantees their products for the period of 12 months from the date of commissioning and do not expect any part to be replaced at least for 5 years.

These will be achieved by empowered team of Ganesh through continual improvement and Team Work.

We also work on Improvement of customer satisfaction, Improvement in delivery performance of projects, Reduction in cost over budgeted cost, Improvement of supplier's performance.

**[Do it right even when no one is looking]**

## WHY US?

- 99% Satisfied Customers.
- Strict quality standards.
- We have specially own developed software as per IS Code for Crane Design.
- We carry the widest selection of mechanicals parts ready to assemble a crane.
- We have the willingness and ability to custom engineer Wire Rope Hoist, EOT crane and gantry Crane solutions for your unique applications. Our business model readily handles "one-of-a-kind" design challenges.
- All of our products - including custom engineered models - meet Indian standards set.
- Our Experience team precision manufacturing ensures you that your Crane will operate smoothly and precisely for years to come.
- We engineer and manufacture a full portfolio of lifting solutions from Jib cranes to bridge cranes - so you can be assured that all of our system recommendations will be guided by your application's best interests.
- Our cranes are delivered on-time and in the most thorough and protective packaging in the crane industry.
- We continue working in improving our products, developing new technologies and finding solutions for your challenges.
- We maintain spares stock for running design as well as outdated design to give prompt service to our customer.





## Single Girder EOT Crane

Single Girder EOT Crane is mostly suitable for up to 10t. Cap., small span and class- I & II, duty & Slow Speed applications. It is consisting of standard Sections fabricated or box type plate fabricated beam.

1t. to 10t. Cap., up to 35-meter span and required Height of lift (for Higher Capacity and span also available on request)



## Big or Small...

Our Equipment can Handle it all with Your Goal



## Underslung Crane

This types of crane is same as single girder eot crane , difference is only its run underslung , These types of cranes are suitable for Complex building conditions require specialised solutions, easily realised with Ganesh underslung travelling cranes.

The gantry tracks are fitted to ceilings rather than free-standing or building columns. Thus best possible results are achieved even in tight spaces and difficult conditions.

These types of underslung travelling cranes make optimal use of the available building width by featuring very small side approach dimensions and modified main girder cantilevers. It is also possible to optimise the lifting Height by positioning up the main girder between end carriages.

1t. to 10t. Cap., up to 15-meter span and required Height of lift (for Higher Capacity and span also available on request)





## EOT Cranes

Ganesh Engineering Co. can provide a wide range of EOT (Electric Overhead Traveling) Cranes. From Single Girder Cranes to Double Girder Cranes, Top Running to Under Running, we design cranes to meet our customers' requirements and applications. let Ganesh's application engineers help you select which style Crane is right for your application.

We design and manufacturing EOT Cranes as per IS: 807, IS: 3177 and other related Codes



## Double Girder EOT Crane

Ganesh Engineering Co. Provide Double girder EOT Crane ranging from 2t. to 100 Ton which work to save your manpower and time, increase safety for material handling and provide precision handling in assembly shop, we suggest These types of EOT cranes for lifting materials which are bulky in volumes, Larger Spans, Heavy duty, Highs Speeds and more than 2-ton lifting capacity.

2t. to 100t. Cap., up to 55-meter span and required Height of lift (Higher Capacity and span also available on request).

## Safety

Safety features others don't offer or offer at extra cost ours are standard.

- Over Lowering or over hoisting prevention limit switch.
- Hook Safety Latch.
- Overload Relays.
- Travelling limit switch.
- Rubber buffer.
- Brakes in Hoisting as well as C.T & L.T.
- Main Switch.
- On/ off switch in push button /Emergency stop.
- MCB / fuse.
- All 4 core cables with Earth cable.
- Maintenance platform.
- Siren in goliath crane.
- Anti-collision device when more than one crane on same bay.

## Optional Features

- Radio Remote Control / Cabin Control.
- Dual speed for all motion.
- VFD in all motion.
- Siren While Traveling a crane.
- Load Cell with Display to weigh a Load or protection against overload.
- Special Dimension Hook.
- Other Reputed Brand Gearbox.
- Drag Chain in Festoon system.
- Protective Paints / Coating.

## Standard Features of EOT & Gantry Crane

- Simple and optimum Design ensuring minimum dead weight, Wheel Load Headroom and easy to maintenance.
- Easy to installation.
- Reliable structure.
- Higher efficiency to save power.
- All motions are protected with Fail safe type brakes (which are applied when power supply is off and release when power supply is on.)
- All motions are protected with limit switches.
- Rubber buffers are provided to extra protection against collision in case of limit switch failure.
- Dustproof panel box with reputed make switch gear or as per customer's approval.
- 110 V Control voltage selected for protection of Crane operator against any electrical shock.
- With electrical Interlocking to prevent simultaneous operation of opposite motion.
- Using "C" Rail / I Section type C.T. & Push button Festoon system it's give long life and trouble free operation.
- Unbreakable, Handy, light weight PVC Pushbutton
- Coupling less L.T. & C.T. & Hoist Motion up to 10 Hp, (Less mechanism less maintenance)
- VFD in Long Travel Motion, Smooth Start & Stop (Maximize the life of Mechanism)
- Own Make Gearbox so which are easy to maintenance and we can provide any parts at any time from our stock.
- Platform with hand railing for easy, simple & safe maintenance of the crane extended partially or totally along the girder width.



## Gantry / Goliath Crane

These cranes are available in single girder type or double girder type as well as EOT Cranes but these cranes are run on floor mounted rail by its two legs which is fabricated from steel section or plates, Our Robust gantry crane which save your expensive structure cost, easily expandable long travel whenever you need you may expand longitudinal travel with low cost compare to EOT,

no need of heavy structure and foundations, easily disassembly and transfer ay anywhere, useful for temporary light or heavy work.

3t. to 100t. Cap., up to 55-meter span Double Girder type and required Height of lift (Higher Capacity and span also available on request).

## Single Girder Gantry Crane



## Double Girder Gantry Crane



“ 1t. to 10t. Cap., up to 55-meter span Single Girder type and required Height of lift (Higher Capacity and span also available on request) ”



Safe &  
Smooth  
Material  
**Handling**





**Portable Rubber Tyre Gantry Crane**

## Rubber Tyre Gantry Crane

We offer portable to giant Single Girder and Double Girder Rubber Tyre gantry crane which are same as gantry cranes but these cranes have no required any specific track so its reduce the cost of track, also available with steer facility for easy use in any curved path or strait & Curved mixed path.

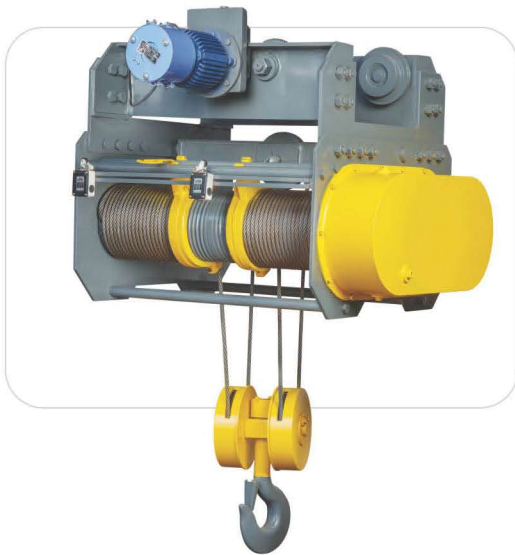




## JIB Crane

Jib cranes are an economical solution for moving materials within an individual workstation, for transferring materials from work area to another work area or for serving as auxiliary lifting devices under overhead cranes. There are Styles range from entirely self-supporting to styles that mount to existing building columns, resulting in low costs compared to some overhead lifting systems. Because they are self-supporting, free standing jib cranes are well suited for outdoor use and can be fully weatherized.

## Wire Rope Hoist



Ganesh Engineering co Make Hoists are construction by machined plates and bolted type. Hoisting gearbox is direct mounting with rope drum and motor is flange mounted type for minimum of maintains and better performance there are no manually alignment is required because all mounting accessories are precision machined.

Cross traveling wheels and gearbox unit shall be mounted on top of the hoist.

1t. to 10t. Cap., up to 50 mtr Height of lift (Higher Capacity and lift also available on request)

## Winch



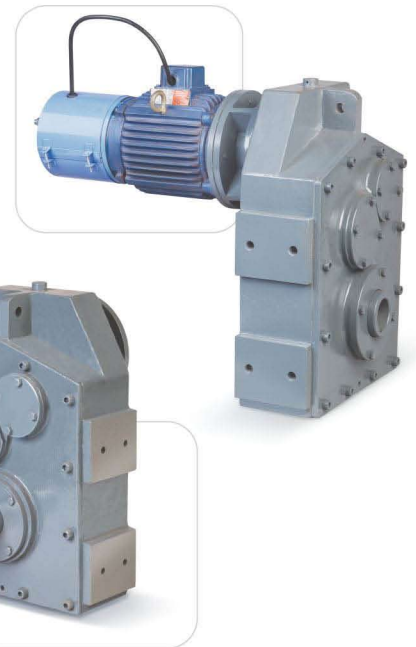
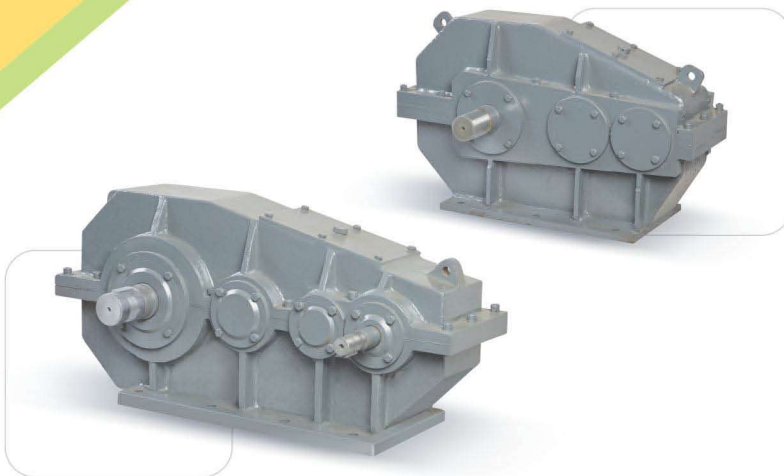
Lightweight, Compact wire rope winches are inherently useful and can be the perfect solution to any number of pulling and lifting tasks.

Electric operated Frame Mounted wire rope winches are commonly used for recovery purposes, Heavy Machinery Erection work, they also useful for hauling, Pulling or hoisting Heavy Load.



# Components

## Gearboxes & Gear Motor



All gearboxes, which are used in Hoisting, L.T. and C.T., are helical type with M.S. Fabricated /C.I. Housing, Pinions and output shaft are supported on antifriction type roller/ Ball bearings. All Gears and Pinions are of alloy steel materials precision machined and teeth cutting by hobbing machine duly hardened and lapped or Ground as per requirement to with stand the heavy loads.

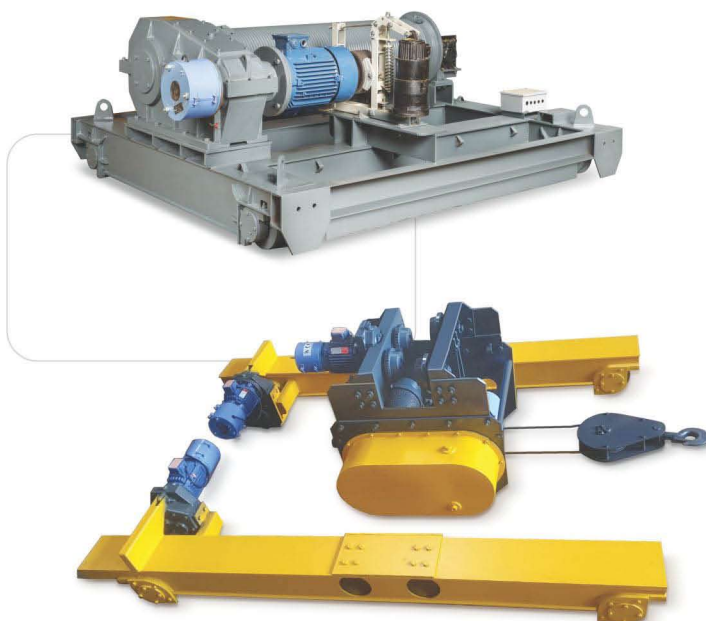
Our Compact Design parallel shaft helical gear motors are the perfect solution for L.T. & C.T. Drive Application. These types of gear motors are reducing the maintenance in the Crane due to.

- Hollow output Shaft : Directly mounting on wheel shaft, Not Required Joint Coupling means less joint less maintenance, both machined parts matched no alignment needed.
- Hollow Input Shaft : fitted with Flange Mounted Motors not required any coupling, Both Machined Flanges not required any alignment between gearbox and motor.
- Silent Running.
- Our In-house manufacturing process makes after sales service easy and cost effective.

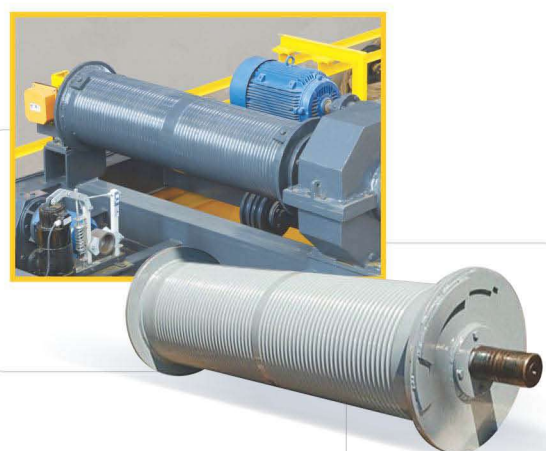
## Crane Kit

Crane kits from "Ganesh Engineering Co" are a great way to save your company time and money. our crane kits are less costly to manufacture and ship.

The "Ganesh" crane kits for up to 100ton consist of Hoist/Crab, End Carriages, LT Gear motor brake, Control Panel, Cable festoon system and electrical equipment, allowing the user to construct the appropriate type of crane at their own premises. We also provide neccessorie engineering data to complete the equipment as per your requirement.



## Rope Drum



The rope drum is of mild steel fabricated / Seamless pipe construction having right and left hand spiral grooves machined to suit the hoisting ropes.

The drum is of such length that there is not more than one layer when rope is full wound.



## Wheel Assembly



The wheel of the trolley & the end carriage will be used forged steel conforming to IS 2707 GR. II duty spin hardened to 300 BHN or EN-9 material, double flanged straight tread type fitted with antifriction type self-align roller bearings mounted on 'L' type bearing housing easy to maintenance.

## Electrical Panel

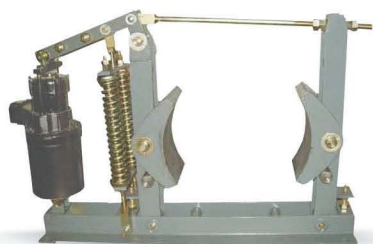


Panel is provided with main incoming breaker/ switches, transformer, contactors etc. MCB is provided in the control circuit of each motion. Each brake circuit is provided with a suitable contactor.

Rating of contactor selected for any mechanism is 50% higher than the respective motor full load current for the mechanism duty cycle. Reversible directional contactors are interlocked electrically.

## Brakes

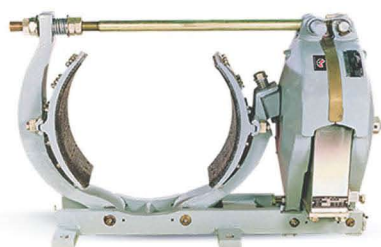
We are using various types of brakes suitable to application. All brakes are automatically released when the motor circuit is on and is applied the motor circuit is off.



Electro-Hydraulic Shoe Brake (AC)



Electro-Magnetic Disc brake ( AC/DC)



Electro-Magnetic shoe brake ( DC)



Electro-Magnetic shoe brake ( AC)

## VFD Drive

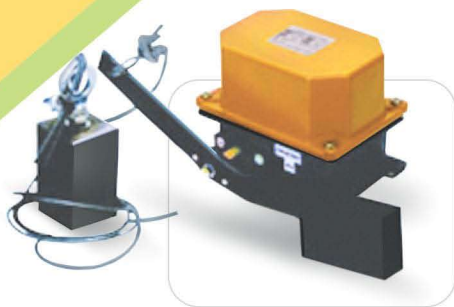


VFD in L.T. Motion Using as standard features to smooth start and stop and increase life of mechanism EFFICIENCY.

A VFD will only consume the power that's needed, thus saving energy compared to contactors and soft-starters.

Also useful to torque proving, load check, brake checks, micro-speed electronic programmable for various operations.





#### Counter Weight Limit switch:

Used in hoisting motion to prevent over hoisting and against failure of rotary limit switch.



#### Lever Operated /Cross Rotary Limit switch:

In Travel motion to prevent Crane or Trolley Over travelling



#### Rotary Geared Limit switch :

in Hoisting motion to prevent over hoisting and over lowering

### Push Button

Light weight , Handy, Un breakable with Mechanical Interlocked and with Emergency Stop Control Voltage \in the push button shall be 110V which is protect operator from shock.



### Radio Remote Control

Controlling cranes via radio communication offers many safety advantages, such as the ability to operate cranes from safer grounds and with better vantage points, gives more freedom of movement and More efficient way of working.



### Hook Assembly

Bottom Block Assembly consisting of forged steel hook single shank / Rams horn type as per IS 3815 mounted on thrust Ball Bearings, with required diameter rope sheave and hook plates made out of steel

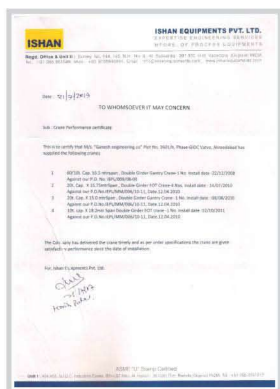
### C-Rail Festoon System

We Ganesh Engineering Co. Provided C-Rail Type C.T. Cable Festoon and Push button festoon instead of traditional wire and plastic trolley.

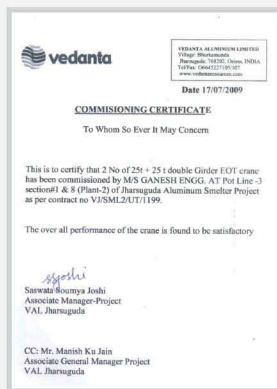
These types of Festoon systems made from G.I. 'C' type Section Rail, M.S. Trolley with Bearing Wheels, Flexible Cable Clamp which is smoothly operate the cables and no chance to stretch or twisting the cable.







## Appreciation



## Comparison

No.	Ganesh Engineering Co.	Others	Benefit
1	Wheels		
a	Live Axle type with 'L' type bearing housing and spherical roller bearing	Dead Axle type in channel mounted wheel assembly with ball bearing	Self aligned roller bearing give more life and load carrying capacity compare to ball bearing
b	Totally closed oil bath gearbox	open gear drive	due to dust and other particles open gear will worn-out earlier
c	Hardened	soft	Longer life compare to soft wheel
2	L.T. & C.T. Gearbox		
a	Hollow Output direct mount on wheel shaft	Solid output mount through solid or gear coupling	no alignment required, low noise, longer life
b	Motor Direct mount on Hollow input	Motor Mount through coupling	no alignment required, low noise, longer life
3	End Carriages		
a	Plate fabricated box type construction	Standard section Channel Fabricated	High strength, good look
4	Cable Festoon		
	C-rail Section, M.S Trolley with Bearing	Solid wire with PVC Trolley	longer life, good look, low maintenance
5	Design		
	Strictly follows IS	May be?	will give exact design as per required capacity,
6	Noise level		
	about 65 to 70 db	more than 70 db	



## Our Reputed Client







**Ganesh**  
Engineering Co.

Plot No. 2601/B Phase-IV, G.I.D.C.  
Vatva, Ahmedabad - 382445,  
Gujarat, India

Mobile : +91- 98240 89366  
98252 93196  
98250 73895

E-mail : [info@ganeshcrane.com](mailto:info@ganeshcrane.com)  
Website : [www.ganeshcrane.com](http://www.ganeshcrane.com)