

# **KK Manhole & Gratings Co. Pvt. Ltd.** "Home of Innovative and Quality Solutions for the Construction Industry since 1984"

Seesaw Swing



Edition 2016-17

Dustbin

## "Innovation is our driving force Quality is our motto."

rporate Profil

KK Manhole & Gratings Co. Pvt. Ltd. is one of India's leading manufacturer of precast concrete products. We also make certain plastic products used in construction such as plastic spacers, plastic letter boxes, manhole footrests, bird spikes, etc. Our precast concrete product range spans outdoor furniture, flooring, storm water drainage, sewage drainage, security barriers, etc. These products find application in road construction, commercial and residential construction, railway platforms, and telecommunications and are specially designed for the Indian market.

We have over 30 year long legacy of operating in this business and a pan India footprint. We started in this line of business in the year 1985. In the year 1992 we added to our manufacturing capacity by setting up a partnership company by the name of KONKRETE PRODUCTS CO. in Faridabad. KK and Konkrete are now considered trusted precast concrete brands for leading developers and quality conscious customers.

KK leads the innovation in the precast concrete and allied industry. In a traditional cast iron manhole cover market, KK's flagship product precast concrete manhole covers and frames were the first to be introduced as cost effective, durable, and theft-proof replacement. Similarly we replaced traditional cast on site flooring with KK/Konkrete interlocking pavers, we replaced steel fencing and railings for road dividers and fencing of parks with RCC railing and fencing , we replaced brick telecom manholes with KK/Konkrete precast concrete conical manhole assembly units, we replaced cast iron and stone furniture with KK/Konkrete precast concrete furniture, and we replaced cast in-situ platform with KK/Konkrete precast concrete platform coping. Besides these we have introduced many more innovative products, e.g, manhole footrest, plastic letterboxes, cover blocks, etc.

Now we boast an employee strength of more than 150 spread across a number of sister concerns and a manufacturing footprint in North and South India. Across all companies, we have over 8 acres of area devoted to manufacturing plant, administrative offices, quality control, and research & development.

We continue to give India cost-effective, durable, maintenance-free, aesthetic, user-friendly, and environmentally-friendly precast concrete solutions.

KK precast concrete products are manufactured using the latest vibro-compaction techniques, accurately designed moulds, appropriate reinforcement with circular plastic spacers and a concrete grade of M30 and above. We can also produce customised products for your special needs, subject to large quantities. To order customised products, sizes, strength required and other necessary information needs to be sent.

In our constant endeavour to improve the products, the specifications may change without notice.



## Benefits of Precast Concrete

**Strength** – the strength of precast concrete gradually increase over time. Other materials can deteriorate, experience creep and stress relaxation, lose strength and/or deflect over time. The load-carrying capacity of precast concrete is derived from its own structural qualities and does not rely on the strength or quality of the surrounding backfill materials.

**Durability** – studies have shown that precast concrete products can provide a service life in excess of 100 years. For severe service conditions, additional design options are available which can extend the life of the precast concrete product. This is extremely important when calculating life-cycle cost for a project.

**Mass** – precast concrete products can act as effective barriers to vehicular traffic due to their size and weight.

In the current world climate, precast concrete products such as planters, bollards and highway barriers increasingly are being used to provide protection for a wide variety of venues.

**Chemical resistance** - precast concrete is resistant to most substances. However no material is completely immune to attack form aggressive chemical agents. Thus it is wise to choose the material with the longest expected service life. Precast concrete products can be designed to withstand anticipated corrosive agents.

**Quality control** – because precast concrete products typically are produced in a controlled environment, they exhibit high quality and uniformity. Variables affecting quality typically found on a jobsite-temperature, humidity, material quality, craftsmanship – are nearly eliminated in a plant environment.

**Modularity** – because of the modular nature of many precast concrete products, structures of systems of nearly any size can be accommodated.

**UV sensitivity** – unlike some other materials, precast concrete does not degrade from exposure to sunlight. This is extremely beneficial for above-ground applications.

Aesthetics – precast concrete products are both functional and decorative. They can be shaped and molded into an endless array of sizes and configurations. Precast concrete can also be produced in virtually any color and a wide variety of finishes (acidetched, stand blasted, smooth-as-cast, exposedaggregate) to achieve the desired appearance for building and site applications. **Low maintenance** – precast concrete requires little or no maintenance, which makes it an ideal choice for nearly any design solution.

**Environmentally friendly** – after water, concrete is the most frequently used material on earth. It is nontoxic, environmentally safe and composed of natural materials. Buried throughout the world, precast concrete products help convey water without contributing to poor water quality.

**Weather resistance** – precast concrete is well-suited for exposure to all types of weather conditions.

**Reduced weather dependency** – precast increases efficiency because weather will not delay production. In addition, weather conditions at the jobsite do not significantly affect the schedule. This is because it requires less time to install precast compared with other construction methods, such as cast-in-place concrete. Precast concrete can be easily installed on demand and immediately backfilled – there is no need to wait for it to cure.

**Watertightness** – standard watertight sealants are specially formulated to adhere to precast concrete, making watertight multiple-seam precast concrete structures possible.

**Ease of installation** – since precast products are designed and manufactured for simple connection, many components can be installed in a short time.

**Efficiency** – precast concrete products arrive at the jobsite ready to install. There is no need to order raw materials such as reinforcing steel and concrete, and there is no need to spend time setting up forms, placing concrete or waiting for the concrete to cure.

**Fire resistance** – precast concrete is noncombustible. Also, concrete does not lose its structural capacity nearly s quickly as steel. Other materials besides concrete and steel are flammable and / or do not perform well in elevated temperatures.











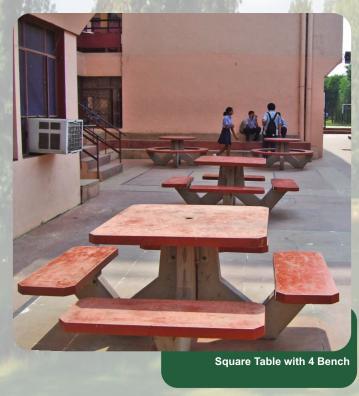


Rectangular Table with 2 Bench Terrazzo Finish

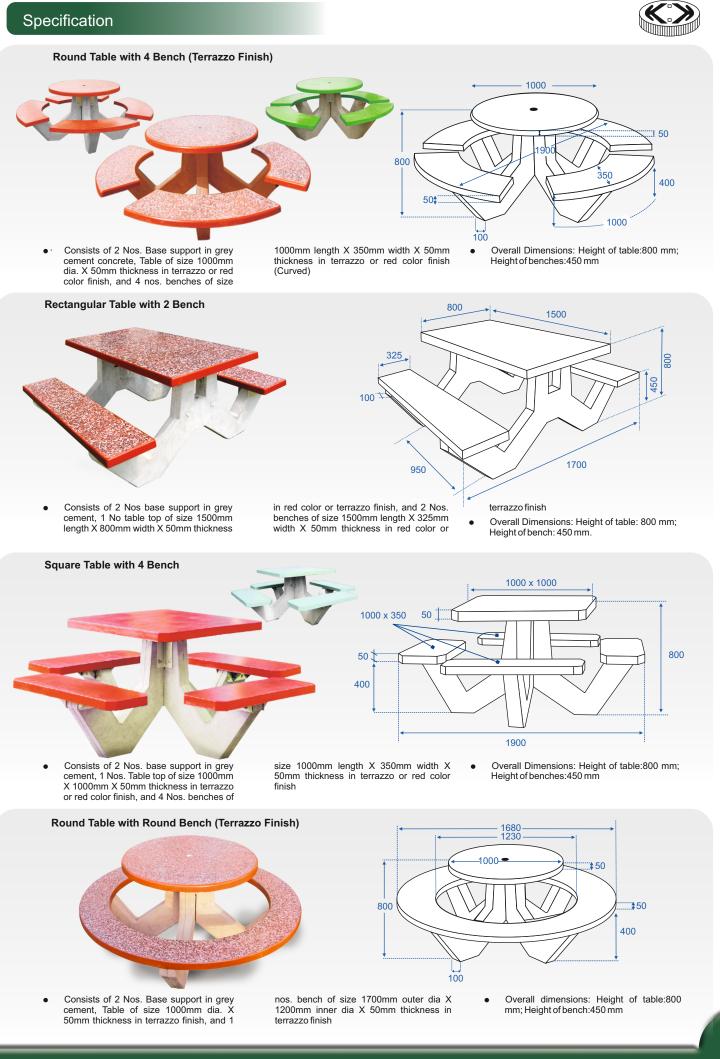


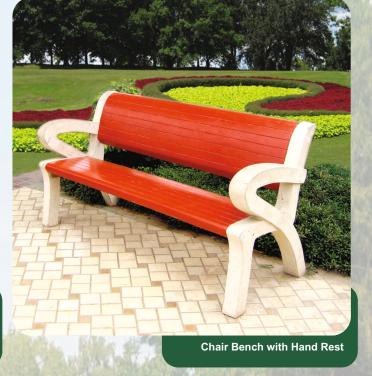
Round Table with Round Bench Terrazzo Finish





2







Chair Bench with Back Rest



#### Specification



1000

**Chair Bench with Back Rest** 



• Each bench consists of 2 Nos.L-shape base support in grey cement color (thickness:100 mm, Back height:1000 mm, front height:450 mm, Base width:620mm) and 5 Nos. reinforced concrete planks in red color of size 1500mm X 100mm X 50mm, and 1 No. of reinforced concrete plank of size 1500mm X 200mm X 50mm.

450

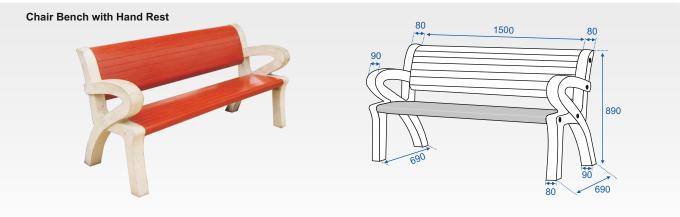
 Overall Dimensions: Seating length of the Bench:1500 mm; Seating height of the Bench:450 mm; Total height of the Bench:1000 mm

620

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1500

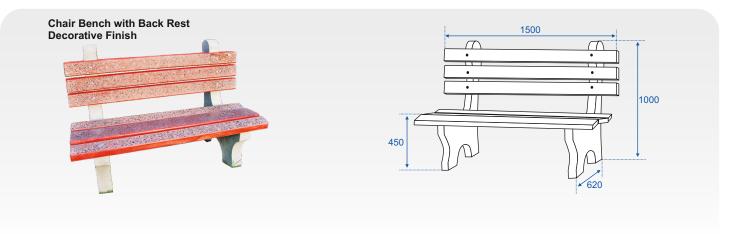
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• Each bench consists of 2 Nos. L-shape base support in grey cement colour (thickness:80 mm, Back height:890 mm, Front height:450 mm, and Base width:690 mm) and 1 nos. reinforced

concrete plank in red colour of size 1500mm X 400mm X 50mm, and 1 no. of reinforced concrete plank in red colour of size 1500mm X 425mm X 50mm

• Overall Dimensions: Seating length of the Bench:1500 mm, Seating height of the Bench:450 mm, Total height of the Bench:890 mm



- Reinforced suitably to promote long use and to prevent damage during handling, transportation & erection
- Bench top and back have terazzo finish consisting of black and white marble chips against a red backgorund

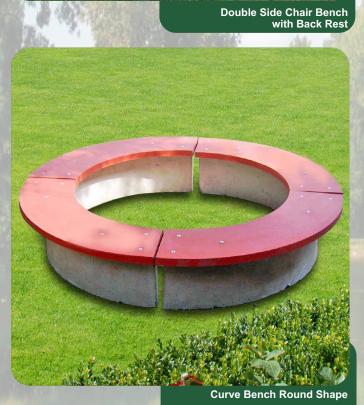
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Overall Dimensions: Base Sitting Platform Size: 1500 mm x 350; Thickness of bench: 50 mm; Overall Height: 875 mm





**Circular Bench with Back Rest** 











 Each bench consists of 2 Nos base support in grey cement colour (Thickness:100mm, Back height:1000 mm & Front height:450mm, Base width:1435 mm) and 10 Nos. reinforced concrete planks in red colour of size 1500 X 100 X 50mm, and 2 No. of reinforced concrete plank of size 1500 X 200 X 50 mm (Planks can be in red color or Terrezzo finish)

Overall Dimensions: Seating length of the Bench:1500 mm on one side & 1500 mm on the opposite side; Seating height of the Bench:450 mm; Total height of the Bench:1000 mm

\$100

265

1560

50

1000

**Circular Bench with Back Rest** 



425 1122 Ø 1600 Ø

560 ø

330

350

8

450

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1500

 Base Sitting Platform Size: 1600 mm dia; Height of back support: 900 mm; Bottom dia. of the base: 1122 mm; Top dia. of the base: 660 mm; Thickness of bench: 50 mm

**Curve Bench Round Shape** 

- Manufactured by using M-30 grade of Concrete
  using vibro compaction process
- Reinforced suitably to promote long use and to prevent damage during handling, transportation &

#### erection

Bench top is treated with special anti-corrosive, water proof coating so as to make surfaces glossy and water proof or Terrazzo finish.



- Bench Size:1200 mm X 1000 mm X 50 mm (Thickness) & height 450mm
- Manufactured by using M-30 grade of Concrete
- Reinforced suitably to promote long use to prevent damage during handling, transportation & erection & long use.
- Bench top are treated with special anti-

corrosive, water proof coating so as to make surfaces glossy and water proof or Terrazzo finish.

Curve Bench with S Shape

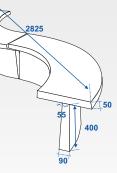


 Platform Size:1950 mm X 1000 mm X 50 mm (Thickness); Bench support (as inverted V) Size: 780 mm Height & 1250 X 600mm base

• Manufactured by using M-30 grade of Concrete

Reinforced suitably to promote long use to prevent damage during handling, transportation & erection & long use.

Bench top are treated with special anti-



corrosive, water proof coating so as to make surfaces glossy and water proof or Terrazzo finish.

39.8



**Curved Bench** 



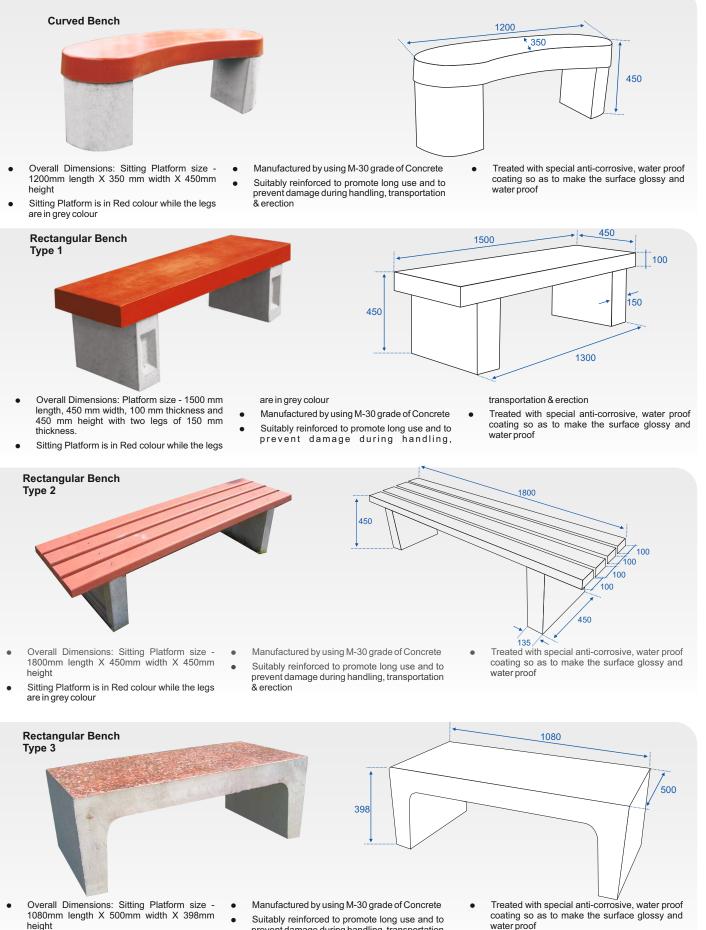
Rectangular Bench Type 3



Rectangular Bench Type 2

#### Specification

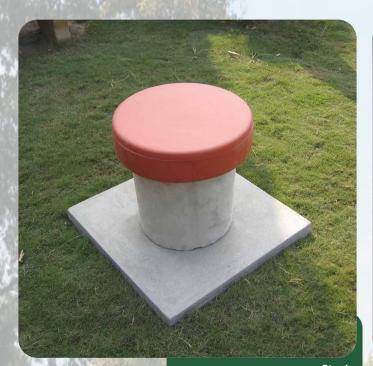




Sitting Platform is in Red colour while the legs are in grey colour

prevent damage during handling, transportation & erection





Stool



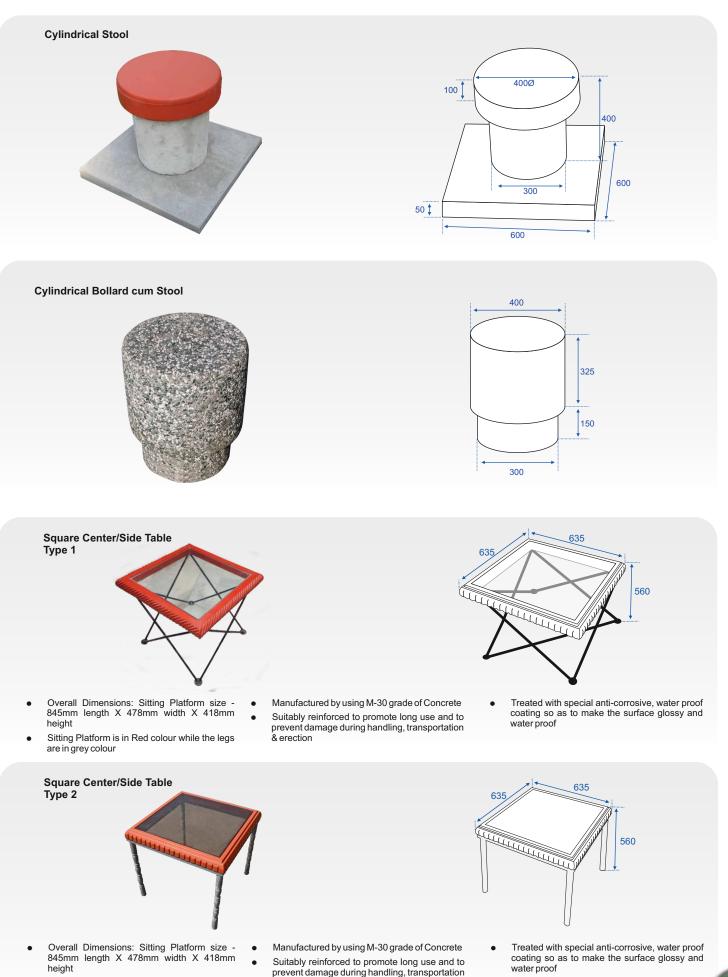


Square Center/Side Table Type 2

Square Center/Side Table \_\_\_\_\_Type 1

#### Specification





- Overall Dimensions: Sitting Platform size 845mm length X 478mm width X 418mm height
- Sitting Platform is in Red colour while the legs • are in grey colour
- Manufactured by using M-30 grade of Concrete Suitably reinforced to promote long use and to prevent damage during handling, transportation

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## School Furniture





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Small	850	350	550	300	300
Medium	970	375	650	375	350
Large	1200	450	750	425	350

### Seesaw



### Never Before, Hopefully In The World!





**QR** Code

## **SEESAW SWING**

- Heavy duty seesaw swing for outdoor use •
- Enhances beauty of the park / garden •
- Kids favourite
- Little possibility of theft & maintenance

Design Patent Applied No. 281897



#### SPINAL CORD EXERCISER

- Heavy duty spinal cord exerciser for outdoor use such as parks
- Enhances beauty of the park / garden Suitable for all ages Little possibility of theft & maintenance





