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## Smart Pole 2.0



**SHARMILA KUMBHAT**  
Director - K-LITE Industries

The concept of smart cities came into being as a consequential development to internet of things (IoT), digital connectivity, global warming and the compelling necessities for energy saving. More than 50 % of the world's population lives in cities, A city environment, with a closely knit street light network became a natural choice for a smart city concept, hosting sensor networks and wireless communications for traffic control, smart parking, noise and air quality monitoring, incident

detection, and more. Smart city lights are not stand alone system. They have to be integrated with other systems under what is known as Internet of Things (IoT). Hence the chosen smart city light poles should be able to accommodate a full range of lighting controls compatible to remote control and integral with suitable sensors for the respective application.

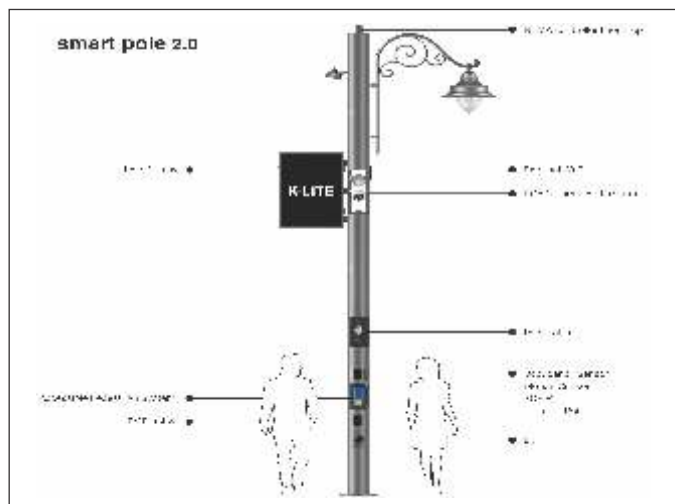
In fact, the smart city pole is going to be a service platform for various services for Network redundancy, application areas such as mobile connectivity (WLAN), traffic control, security camera (CCTV), information transfer, public announcement with loud speakers, smart parking, environmental monitoring and even the electric charger for electric cars etc.,

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## Publisher's Note

Dear Readers,

*With this issue we enter the 52nd year of our magazine Builders Friend, indeed a proud moment for us. From the last 52 years we have been reaching out to you consistently every month with the latest and the best news and articles in the real estate and the construction industry,*

*A vision which was started by our founder Late Krishna Murari Agarwal back in the year 1973 has been continuously been taken to the whole country and which was later taken up by his successor Sri Ashok Kumar Agarwal who even till the date have strived to change the magazine as per the times and requirements of the customers, architects builders and the readers.*

*Just like real estate industry has gone through a rapid change in the last one decade similarly we have also taken steps to move the magazine aggressively towards online presence by creating a dedicated website and a proper Instagram handle to reach the new age customers.*

*We request all our subscribers and readers to follow us on Instagram account #builders.friend and our website **www.buildersfriend.in***

*Taking this momentum forwards we would like to keep bringing you a lot of news from the sustainable architecture and the green construction space with a aim to bring both the manufacturers of new age construction material to the users like builders, architects, home owners and government construction agencies and also bring to you all world class architecture projects from India and around the world.*

*Looking forward to your wishes and blessings for the next many years to come.*

*Wishing our readers & advertiser A Very Happy Independence Day.*

  
(Ashok Agarwal)

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### Gujarat Govt Launches Scheme Offering Affordable Rented Homes For Labourers

Additional housing centres will be set up throughout Gujarat aimed at accommodating around 3 lakh construction workers. The project is expected to cost ₹ 1,500 crore, the chief minister said. July 18, 2024: In a move that will benefit the thousands of labourers, the Gujarat government has launched the Shramik Basera scheme to provide temporary housing to nearly 15,000 construction workers at a rent of ₹ 5 per day. The chief minister Bhupendrabhai Patel performed the ground-breaking ceremony of 17 dwelling structures to house the workers in Ahmedabad, Gandhinagar, Vadodara and Rajkot, as per an official release.

According to the release, the chief minister also launched an online portal for the Shramik Basera scheme. During his address at the event, he said the scheme will benefit around 15,000 construction workers once the facilities are ready. Accommodation will be given to them for a daily rent of ₹ 5 per person. Additional housing centres will be set up throughout Gujarat aimed at accommodating around 3 lakh construction workers. The project is expected to cost ₹ 1,500 crore, he added. The initiative is aimed at bringing about a 'qualitative change' in the standard of living of workers from the unorganised sector and construction workers by providing them with food, health, housing and financial support, he said.

### New Housing Project At Nakshatrwadi In Maharashtra Under PMAY

The Maharashtra state government will build 1056 new homes at Nakshatrwadi in Chhatrapati Sambhaji Nagar under the Pradhan Mantri Awas Yojana. This announcement was made by the State Housing Minister Atul Save in Chhatrapati Sambhaji Nagar. At the District Collector's office, Atul Save conducted a computerized lottery to allocate 1133 homes and 361 available plots in Chhatrapati Sambhaji Nagar, as well as in Latur, Jalna, Nanded, Hingoli, Parbhani, and Dharashiv. These homes and plots were developed under various housing schemes managed by MHADA's Chhatrapati Sambhaji Nagar Board.

Atul Save explained that the new housing project at Nakshatrwadi will include modern amenities at par with the private developers. He added that the soon the bhoomipujan ceremony for this project will happen soon. Atul Save congratulated the board's Chief Officer, Mandar Vaidya, and his team for organizing the lottery well and wished the applicant's good luck.

The computerized lottery for the 1133 homes and 361 plots was conducted in four phases. In the first phase, the lottery was held for 957 applications received for 425 homes under the Pradhan Mantri Awas Yojana, with Suresh Bansode being the first winner. District Collector Dilip Swami, Board Chief Officer Mandar Vaidya, and Board Deputy Chief Engineer Kishor Kumar Katavate were also present at the event. Many citizens watched the live broadcast of the lottery through MHADA's webcasting service.

### Budget 2024 Brings Promising Changes To Real Estate Sector

The comprehensive measures introduced in this budget reflect the government's commitment to the all-around development of the real estate sector, making it a significant contributor to the nation's economic growth. The 2024 Union Budget, presented by Finance Minister Nirmala Sitharaman, has introduced a series of transformative measures poised to significantly impact the real estate sector. These initiatives span affordable housing, infrastructure development, and urban planning, offering a much-needed boost to the industry.

The PM Awas Yojana-Urban 2.0 is set to fulfill the housing requirements of 1 crore poor and middle-class families. This ambitious initiative is expected to drive demand for affordable housing, providing a stimulus for construction activities and benefitting developers and construction companies engaged in the affordable housing segment. Additionally, the budget has allocated a substantial ₹ 2.2 lakh crore for urban housing over the next five years. This increased funding will accelerate urban housing projects, improve urban infrastructure, and enhance living conditions in cities, attracting more investments into the urban real estate market.

The 2024 budget's focus on housing, infrastructure development, and urban planning is set to stimulate growth in the real estate sector. By addressing the needs of various segments, including affordable housing, industrial workers, and urban infrastructure, the budget aims to create a more balanced and inclusive growth environment.

### ASK Property Fund Invests ₹ 190 Cr In Kalpataru Project

ASK Property Fund, the real estate private equity arm of Blackstone backed



ASK Asset & Wealth Management Group, has announced the successful investment of ₹ 190 crore in a project being developed by Kalpataru. The project is an upper mid-segment project, located in Borivali West, comprising 310 units and is spread across 6 acres with a total saleable area of about 6.5 lakh square feet. The project is strategically located, with convenient access to excellent road, rail and metro network. The catchment also boasts of developed social infrastructure and is a major driver for buyers preferring the western suburbs of Mumbai. The funds will be deployed for acquisition and working capital requirement of the project.

As per ASK Property Fund Research, Borivali continues to be a dynamic catchment with substantial potential for property value appreciation. The market has experienced a significant increase in absorption over the past two years, with a year-over-year increase in sales of approximately 18-20% in 2023. With additions of quality supply, the catchment has benefited from a gradual property value appreciation and is likely to follow a similar trend in the coming years.





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### YEIDA Sells Two Group Housing Plots Near Jewar Airport For ₹ 250 Cr

The Yamuna Expressway Industrial Development Authority (Yeida) has raised ₹ 250 crore revenue by selling two group housing plots in the vicinity of Noida greenfield international airport in Jewar, announced officials associated with the development. These plots have been allotted through e-auction, Yeida officials said, adding that in such an auction, the plot is sold to the one who places the highest bid against the reserve price.

"We floated a scheme in June this year offering two plots for group housing to realtors interested in building housing projects along the Yamuna Expressway, near the greenfield airport project. Two realtors participated in the e-bidding process for each group housing plot. And the realtor who placed the highest bid got the plots in accordance with rules," said Arun Vir Singh, chief executive officer, Yeida.

Yeida offered a 40,000 square metre plot for group housing in Sector 22D and another plot measuring 20,000 square metre in the same sector. Purvanchal Projects Private Limited placed the highest bid of ₹ 149.57 crore for the plot measuring 40,000 square metres and secured the rights to the plot. ACE Infracity Developers Private Limited placed the second highest bid of ₹ 142.45 crore.



### DLF to Enter New Markets of Goa & Mumbai

DLF Ltd. has unveiled plans to broaden its housing and commercial property ventures by entering new markets in Mumbai and Goa. This strategic initiative

aims to leverage the increasing demand for luxury homes and commercial spaces in these areas, as noted in the company's annual report. While continuing to launch new projects in the Delhi-NCR region, DLF's strategic expansion into Mumbai and Goa reflects its commitment to meeting the aspirational needs of a diverse customer base. By introducing a variety of offerings, DLF aims to cater to the evolving demands of the market.

For the current fiscal year (2024-25), DLF has set an ambitious sales booking target of ₹ 17,000 crore, aiming for a 15% growth rate. This growth will be supported by the launch of multiple luxury housing projects across Gurugram, Goa, and Mumbai. The company has reported increased occupancy levels across its commercial portfolio. To support this growth, DLF is investing in capital expenditure for new developments in Gurugram, Chennai, Delhi, and Goa.



### Birla Estates Secures Prime 5 Acre Land Parcel In Sector 71, Gurugram

Birla Estates Pvt. Ltd., a 100% wholly owned subsidiary of Century Textiles and Industries Limited and the real estate venture of the Aditya Birla Group, is all set to expand its footprint in NCR region with a strategic land acquisition in Sector 71, Gurugram. This 5-acre parcel offers a development potential of around 10 lakh square feet and is expected to generate revenue of over INR 1400+ crore with aesthetically designed residences.

Redefining the Gurugram skyline, the luxury high-rise residential towers will be complemented by elegantly designed clubhouse amenities and landscape. Situated on Southern Peripheral Road (SPR) Road in Sector 71, this prime location offers exceptional connectivity to Delhi and other parts of Gurugram via the Dwarka Expressway, Sohna Road, and Golf Course Extension Road along with proximity to top educational institutions, hospitals, as well as F&B, retail, and commercial centers.

Birla Estates is rapidly expanding in NCR market with this new acquisition adding to its projects in Golf course extension road and Sector 31 in Gurugram and Mathura Road in Delhi.



### The Guardians Real Estate Advisory Achieves 515 Cr Sales In A Day

The Guardians Real Estate Advisory, a prominent firm in the Indian real estate industry, is pleased to announce a significant achievement on the occasion of Akshaya Tritiya. In one day, the firm achieved a spectacular milestone by selling 374 units, generating an amazing sales record of ₹ 515 crore, and selling over 2.60 lakh square feet of carpet area. The auspicious occasion of Akshaya Tritiya has indeed ushered in a remarkable surge in real estate sales. The organisation has attained an extraordinary feat by surpassing last year's one-day sales record of ₹ 356 crore, achieving a remarkable sale of ₹ 515 crores. This accomplishment underscores the firm's steadfast commitment to excellence and prosperity in the Indian real estate sector. Among the top projects, Rivali Park by CCI Projects, Balaji Classica, and Omkar Alta Monte have significantly contributed to this record-breaking sales milestone.

This is not the first time the company has reached such a significant milestone of ₹ 515 crore. This year in April, despite global concerns and market swings, The Guardians accomplished a remarkable feat by generating ₹ 262 crore on the auspicious celebration of Gudi Padwa. This achievement was fuelled by an astounding total of 181 deals, which cemented its status as an industry leader. As The Guardians Real Estate Advisory continues to redefine excellence in the real estate industry, its commitment to providing outstanding service, creative solutions, and transforming experiences to its valued clients remains constant.







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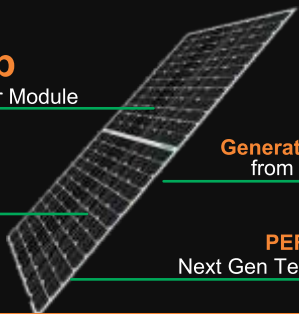
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### Lucknow Metro's East-West Corridor Gets NPG Approval



NPG approves Lucknow Metro's East-West Corridor, connecting Charbagh to Vasant Kunj. Project cost estimated at ₹ 5,081 crore, with 12 stations.

In a big boost to public transport in the state capital, the Network Planning Group (NPG) under the PM Gati Shakti-National Master Plan for Multi-modal Connectivity has approved the detailed project report (DPR) for Lucknow Metro's East West Corridor. The NPG approves the technical feasibility of all railway and highway projects in the country. Estimated to cost ₹ 5,081 crore, the project got the NPG's nod when it met in Delhi on Tuesday. The meeting was chaired by the additional secretary of the Department of Industrial Policy Promotion (File)

The East-West corridor aims to connect Charbagh to Vasant Kunj and will be crucial for the state capital's Old City area. Estimated to cost ₹ 5,081 crore, the project got the NPG's nod when it met in Delhi on Tuesday. The meeting was chaired by the additional secretary of the Department of Industrial Policy Promotion.

The meeting held to discuss several projects found no obstacle in giving the go-ahead to the East-West Corridor.

According to a Uttar Pradesh Metro Rail Corporation official, "The NPG meeting included representatives from departments such as housing and urban affairs, defence, railways, environment and forests, and finance. Following the NPG, the next major phase is a nod from the Public Investment Board."

The proposed East-West Corridor will have a total length of 11.165 kilometres ( 4.286 km elevated and 6.879 km underground). It will include a total of 12 stations seven of which will be underground. The estimated completion time for this proposed corridor is five years. The East-West corridor will connect to the existing North-South corridor at the Charbagh Metro station, which will serve as an interchange station.

UPMRC managing director Sushil Kumar said the approval of the East-West Corridor by the NPG was a significant step and the project was crucial for urban transportation in Lucknow as well as for the existing metro corridor.

Stations of the proposed East-West Corridor: Charbagh (Underground) Gautam Buddha Nagar (Underground) Aminabad (Underground) Pandeyganj (Underground) City Railway Station (Underground) Medical Chauraha (Underground) Chowk (Underground) Thakurganj (Elevated) Balaganj (Elevated) Sarfarazganj (Elevated) Moosabagh (Elevated) Vasant Kunj (Elevated)

### Jammu Smart City Plans Green Buildings Along Tawi River

In a significant move towards enhancing urban sustainability, Jammu Smart City Ltd (JSCL) is considering establishing green buildings on the reclaimed land and adjoining areas of the Tawi riverfront development project, an official said on recently. These green buildings are expected to incorporate energy-efficient designs, renewable energy sources, and sustainable construction materials, contributing to a reduced carbon footprint and enhanced quality of life for residents, the official said.

The Tawi riverfront project in the heart of Jammu is being developed on the lines of Gujarat's Sabarmati riverfront, aimed at enhancing the aesthetic value of the water body by improving natural purifying capabilities and promoting environmental and urban infrastructure sustainability. The project also aims to make recreational, residential, commercial, and green spaces on the reclaimed land and the adjoining warehouse. The official said that under the guidance of JSCL Chief Executive Officer Rahul Yadav, a meeting was convened by JSCL Project Director Sunil Thusoo, with real estate consulting firm CBRE to strategize the financial business plan for land monetisation of these reclaimed areas.

The meeting, also attended by Additional General Manager urban, JSCL, Deepika Gupta, focused on detailed discussions regarding architectural plans, development control regulations, and the integration of essential facilities and green spaces.

### Hanto Workspaces Launches 1 Lakh Sqft Workspace Across Bangalore

Hanto Workspaces, a premier provider of managed commercial real estate solutions, announced the launch of 1 lakh square feet of premium workspace across



Bangalore. This significant expansion is driven by organic demand for premium workspaces designed by Hanto. With this addition, Hanto Workspaces now manages 2 lakh square feet of premium workspaces in Bangalore. In addition to this expansion in Bangalore, Hanto Workspaces is planning to launch a total of 2 lakh square feet of workspace in Hyderabad and Pune, marking its entry into these new markets. This move is driven by the organic demand from its existing customer base in Bangalore.

Speaking about the expansion, Aashit Verma, Founder of Hanto Workspaces, said, "The organic demand for the managed workspace market is driven by customers seeking high-quality workspaces at value pricing. We provide customisation and flexibility in interior and services unmatched in the industry. This makes it easy for clients to easily shift from their traditional workspace solution to one that is managed by Hanto." Hanto Workspaces had raised Rs 15 crore in seed funding led by Anurag Jain, Founder, KredX and other angel investors in a mix of equity and debt in November 2023 to grow its business and expand across major cities in India. It aims to achieve a revenue of over 700 crore by 2028.



### Union Budget 2024-25: 1 crore homes to get free electricity up to 300 units under Surya Ghar Muft Bijli Yojana, announces Finance Minister

In line with the Interim Budget announcement in February this year, Union Finance Minister Nirmala Sitharaman on Tuesday announced the launch of Pradhan Mantri-Surya Ghar Muft Bijli Yojana (PM Free Electricity scheme), to promote rooftop solar (RTS) installations in India by providing one crore households with free electricity for up to 300 units every month. Announced a slew of measures for the promotion of green growth and renewable energy, the Finance Minister said in her Budget 2024 speech, "The rooftop solar scheme has generated remarkable response with over 1.28 crore registrations and 14 lakh applications."

A ₹ 75,021-crore package for the scheme was approved by the previous government in February this year. An official press release stated that the Centre would fund 60% of the cost for installing for 2 kW (kilowatt) systems and 40% of the cost for systems from 2-3 kW capacity.

Finance Minister Nirmala Sitharaman created history as she presented her seventh straight Budget and the first Budget by the BJP-led NDA government since it was re-elected last month. Ms. Sitharaman tabled the Economic Survey of the financial year 2024 in the Lok Sabha on Monday. The Survey projected India's financial year 2025 Gross Domestic Product (GDP) growth to range between 6.5% and 7%. The growth projected for 2024-25 is lower than the economic growth rate of 8.2% estimated for the previous financial year.

### Tata Power Renewable Energy MoU With NHPC REL To Solarize Govt Buildings

Tata Power Renewable Energy Limited (TPREL), a key player in India's renewable energy landscape and a subsidiary of The Tata Power Company Limited, is pleased to announce the signing of a Memorandum of Understanding (MoU) with NHPC Renewable Energy Limited (NHPC-REL) to spearhead the installation of Rooftop Solar Projects (RTS Projects) across government buildings of Central Ministries, States, and Union Territories. This initiative, under the ambitious PM Surya Ghar Yojna Scheme, aims for 100% solarization of government-owned buildings by December 2025.

This powerful alliance is set to support the transformation of India's energy landscape by harnessing the untapped potential of rooftop spaces on government buildings, fostering a cleaner and greener future. The Memorandum of Understanding (MOU) was signed on recently, at the NHPC Office Complex in Faridabad. The Ministry of New and Renewable Energy (MNRE) has appointed NHPC Limited as a Scheme Implementing Partner (SIP) to drive the RTS Projects, which will be carried out by its wholly-owned subsidiary, NHPC-REL. TPREL, a distinguished leader in the solar energy sector, brings extensive expertise to ensure the seamless and timely execution of these projects.

This partnership embodies a mutual commitment to sustainability and innovation in the renewable energy domain. By combining forces, TPREL and NHPC-REL are poised to make significant strides toward India's renewable energy objectives, setting new standards for future endeavours in the industry.

### Waaree Renewable Technologies Bags 30 Mwp EPC Order For Solar Project

Waaree Renewable Technologies Limited has received repeat engineering, procurement and construction (EPC) order from



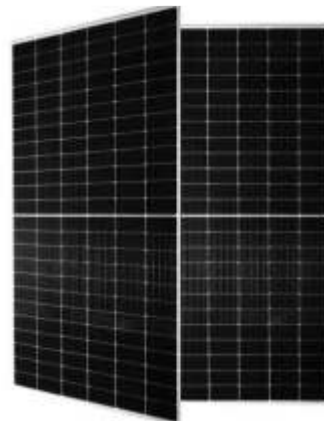
ISMT Limited for ground-mounted solar power project of 30 MWp DC capacity. The project will be located in Helas village of Jalna district in Maharashtra.

Waaree's scope of work under the project includes designing, engineering, procurement, bifacial solar modules supply, installation, procuring land, and managing the entire construction and commissioning of the solar plant. The scope also includes comprehensive operations and maintenance. Furthermore, the project includes installing evacuation infrastructure at both plant and substation levels, establishing the necessary transmission lines, and obtaining all regulatory approvals to ensure smooth operations.

Waaree Renewable Technologies Limited bagged the EPC order from Acciona Energy for 412.5 MWp (335 MW AC) solar project. The project is located in Kawani village of Bikaner district in Rajasthan.

### Adani Solar Launches 575 W TOPCon Bifacial PV Module

Adani Solar has unveiled a new bifacial solar module utilising tunnel oxide passivated contact (TOPCon) cell technology as part of its Shine series. These modules incorporate cells produced domestically by Adani, adhering to the domestic content requirement set by the Ministry of New and Renewable Energy for solar power projects.



Available in power ranges from 550 W to 575 W, with efficiencies ranging from 21.4 per cent to 22.4 per cent, these 144-cell bifacial panels have an open-circuit voltage ranging from 50.2 V to 51.2 V and a short-circuit current of 13.87 A to 14.17 A. They feature a transparent backsheet on the rear side and weigh 28 kg, measuring 2,266 mm x 1,133 mm. Built with 182 mm (M10), 16BB half-cut cells, these panels can operate with a maximum system voltage of 1,500 V. They exhibit a temperature coefficient (Pmax) of -0.31 per cent per degree Celsius and are operational within a temperature range of -40 °C to 85 °C. Adani Solar provides a 12-year product warranty and a 30-year performance warranty for these panels, with a first-year degradation rate of 1 per cent. The power output at the end of 30 years is guaranteed to be no less than 87.4 per cent of the nominal output power



# Narsighar House

## Nokha, Rajasthan

*Most of the houses & palaces built in this region for centuries had courtyards for passive cooling, thick stone walls to combat the excessive heat and stone 'jali' screens to mitigate heat gain.*





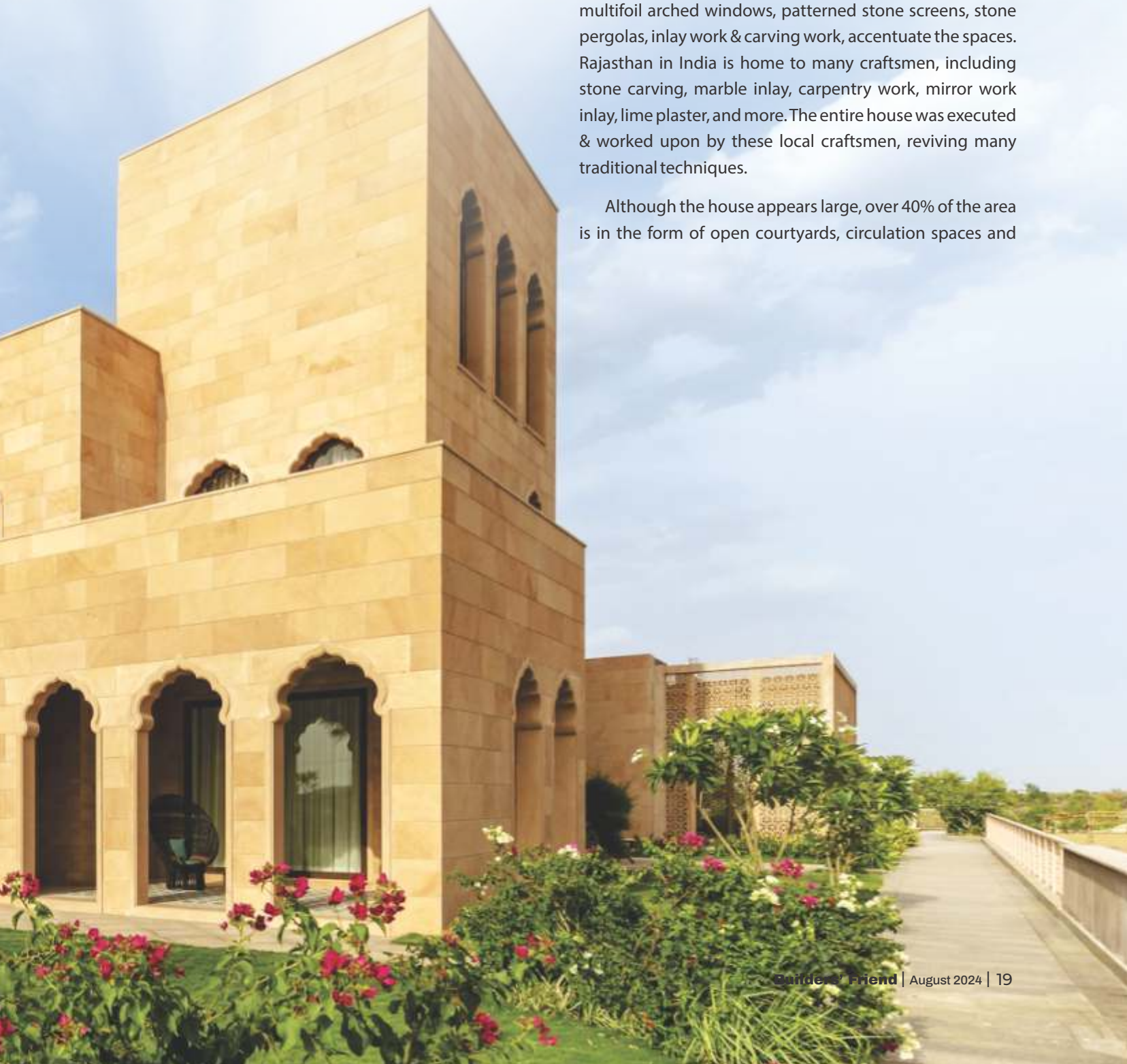
Situated in the arid desert region of Nokha in Rajasthan the Narsighar house imbibes the traditional planning principles of the regional architecture prevalent since centuries in Rajasthan. Most of the houses & palaces built in this region since centuries had courtyards for passive cooling, thick stone walls to combat the excessive heat & stone 'jali' screens to mitigate heat gain.

The Narsighar house is punctuated with a series of courtyards & built in the local sandstone available in the

immediate vicinity. Each of the living spaces open into sheltered outdoor spaces screened with perforated stone panels. These screens in addition to reducing heat gain also protect the inner spaces from the sandstorms prevalent in the region. The home based on the clients needs to accommodate 4 generations has 9 bedrooms with multifunctional living spaces, sheltered courtyards & patios all around.

In addition to the traditional planning principles, elements of traditional Rajasthan architecture, including multifoil arched windows, patterned stone screens, stone pergolas, inlay work & carving work, accentuate the spaces. Rajasthan in India is home to many craftsmen, including stone carving, marble inlay, carpentry work, mirror work inlay, lime plaster, and more. The entire house was executed & worked upon by these local craftsmen, reviving many traditional techniques.

Although the house appears large, over 40% of the area is in the form of open courtyards, circulation spaces and







sheltered outdoor patios. Each volume is articulated individually with the home being perceived as a composition of varying volumes. An entry car porch opens into a sunlit courtyard that leads to a sheltered stone arcade flanked by water troughs and gardens for passive cooling before one enters the house. The skylit entrance lobby within the house is flanked by a living room & an open seating area & leads one into a large central courtyard.

The main courtyard punctuating the house is naturally ventilated through clear-story windows, with the circulation skirting its perimeter. Sectionally, there is a flow of different volumes within. Most of the rooms are 4M high, with the main living room 6.5M high, the central courtyard 12M high, the north & south courtyards 8M high, and the outdoor patios 3.6M high. Every living space & bedroom in the house opens into sheltered outdoor spaces, creating transitional volumes between the inside & the outside to mitigate heat gain.

Indirect sunlight permeates all the spaces filtered through arches or stone screens, creating different shadow patterns throughout the day. This house was designed with traditional principles & materials for passive cooling with





contract labor from the nearby villages, stone from the vicinity, craftsmen from the region & all materials sourced locally. The marble, stone, wood, lime plaster & furniture are all procured from Rajasthan.

Designed contextual to the climate, location & heritage of the region Narsighar revives the Indian traditional planning principles and revives traditional crafts, creating an energy efficient home built to last for centuries, for future generations.

#### Fact File

<b>Project Name</b>	: Narsighar House
<b>Project Location</b>	: Nokha, Rajasthan
<b>Architecture</b>	: Sanjay Puri Architects
<b>Built Area</b>	: 3344 m <sup>2</sup>
<b>Year</b>	: 2024
<b>Building Function</b>	: House
<b>Project Architect</b>	: Sanjay Puri, Nina Puri
<b>Design Team</b>	: Pooja Sampat, Ayesha Puri, Tanya Puri , Ashwini Mogaveera, Nilesh Patel, Sarika Kadam
<b>Photographer</b>	: Vinay Panjwani





# Waaggebouw Weighing House

## Eindhoven, Netherlands

*Designed by NEXT Architects, Waag Woensel-West aims to play a significant role in the transformation of Eindhoven's Woensel-West neighbourhood.*



### Fact File

**Project Name :**

- Waaggebouw Weighing House

**Location :**

- Eindhoven, Netherlands

**Building Function:**

- Social Housing, Community Center

**Architects:**

- NEXT Architects

**Area :**

- 2970 m<sup>2</sup>

**Year:**

- 2023

**Photographs :**

- Loes van Duijvendijk





What was once considered a disadvantaged neighborhood is now seen as an attractive place to live and work. Waag Woensel-West symbolizes the completion of many unique and long-term projects for the neighborhood. The building is a key part of the new image that the neighborhood's main street, the infamous Edisonstraat, is intended to portray.

It also marks the completion of the new building project Plan Celcius, based on the original and affordable Da Vinci modular housing concept. Furthermore, it forms the centerpiece of the new square, the final stage of the transformation. The main aim of the project was to create an easily accessible facility for and by the residents of the neighborhood.

The first plans for the revitalization of Woensel-West were drawn up by the various parties involved at the beginning of this century. The cooperation between the municipality and the housing company Trudo initiated a joint development process that continues to this day. The company and the municipality wanted to develop the neighborhood together but with different approaches. In a joint decision, priority was given to adopting a community-based approach.

This approach aimed to renovate the housing in the neighborhood, build a school, and provide incentives for small business owners in order to make Edisonstraat a lively and attractive street again. Since investing in local residents requires a high level of human and resource support,







priority was given to those who wanted to help develop neighborhood activities when allocating the social housing developed by Trudo.

In order to ensure that all interventions in the spatial structure of the neighbourhood have something to offer to the existing residents, the primary goal is to invest in the future of the residents. This is a different and people-centred approach to the transformation projects carried out in other neighbourhoods in the Netherlands, which often lead to the displacement of the residents.



This unique approach was taken into account in the transformation of the Woensel-West district, and progressed step by step without a master plan or final result. By choosing this approach, a flexible project emerged that was not aimed at a predetermined result but progressed with additions made during the process. The spatial planning approach described as "Because Tastes and Colors Are Different" resulted in a structure that provided a wide area for the development of differences and diversity, thus reflecting the diversity of the neighborhood residents.



At the same time, the use of the richness of form and color, which is more common in the Mediterranean and Caribbean regions, has a liberating effect in terms of architecture. A gradual transformation was achieved in which the Woensel-West residents and facility users were closely involved in every step of the process.

In terms of urban design, an iconic neighborhood building was envisioned, free-standing and without a clear façade orientation. Although the historical reference was inspired by the traditional



public building of the 1800s, the “weigh house,” a seven-story building resulted in a form that was a bit too large and imposing for the site. Nevertheless, by placing the neighborhood activity area on the square on a glass base and placing a green roof garden on the other side, a beautiful and sculptural form was achieved.

The Waag Woensel-West design stands out with its colors and materials, fully reflecting the diversity of the neighborhood, where half of the residents have an immigrant background.

In order to make this large building look smaller than it is, the extra large windows used are spread over two floors. At the same time, these steel framed windows have different designs on each floor and reflect the characteristics of different layers.

On the ground floor, there is a community activity area, which is an inviting gathering place for the entire neighborhood. All residents can use this space to communicate their concerns, participate in development activities, or simply meet with each other. There are also duplex apartments on the ground floor. Above them are corner apartments overlooking the square. The roof terrace on the building offers a common outdoor living area, while at the top of the tower are apartments with views of Eindhoven.

The building's façade is made of Ecoshapes, a cladding material specially developed as a sustainable alternative to traditional stone façades or plaster. This cladding is an additional highlight that makes the building look even more striking and elegant. Waag Woensel-West marks both the culmination of developments in the area and the beginning of a vibrant future.





# The Impression School

## Jaipuria School



### Introduction:

The project aims to design an innovative and future-focused school that revolutionizes the education experience for students, teachers, and the community. This visionary project is a response to the evolving needs of education in the 21st century, focusing on creating a dynamic learning environment that fosters creativity, critical thinking, collaboration, and adaptability.

### Concept:

The facade is designed by taking into consideration the heat prone areas as usage of double skinned facade resists heat from entering into the premises of the building. The windows are designed by considering some of the insights of Bernoulli's principle. According to this, the increase in pressure of winds decreases its temperature and that is why we have taken this type of windows i.e. Recessed windows by which winds entering into the building should be cooler as compared to the outside of building.

The Tectonic Facade and simple color scheme is used which enhances the aesthetic beauty of the building.



Ar. Gaurav Gupta  
Ar. Anamika Gupta  
DECAPE STUDIO





#### Project Objectives:

- **Student-Centric Approach:** The primary goal of the project is to place students at the center of the learning process. It will provide personalized learning paths, ensuring that each student's unique strengths and interests are nurtured.
- **Integrating Technology:** Embracing cutting-edge technology, the school will incorporate digital tools, virtual reality, augmented reality, and artificial intelligence to enhance learning outcomes and prepare students for a digital future.
- **Sustainable Campus Design:** Environmental sustainability is a key pillar of the project.
- **Multidisciplinary Learning Spaces:** The school will break away from traditional classrooms and introduce dynamic learning spaces, including maker spaces, innovation labs, and collaborative zones to encourage cross-disciplinary exploration.

**Teacher Professional Development:** Recognizing the critical role of teachers, the project will focus on providing continuous professional development, equipping them with modern teaching methodologies and technology integration skills.





# XRL Topside Development Kowloon, Hong Kong

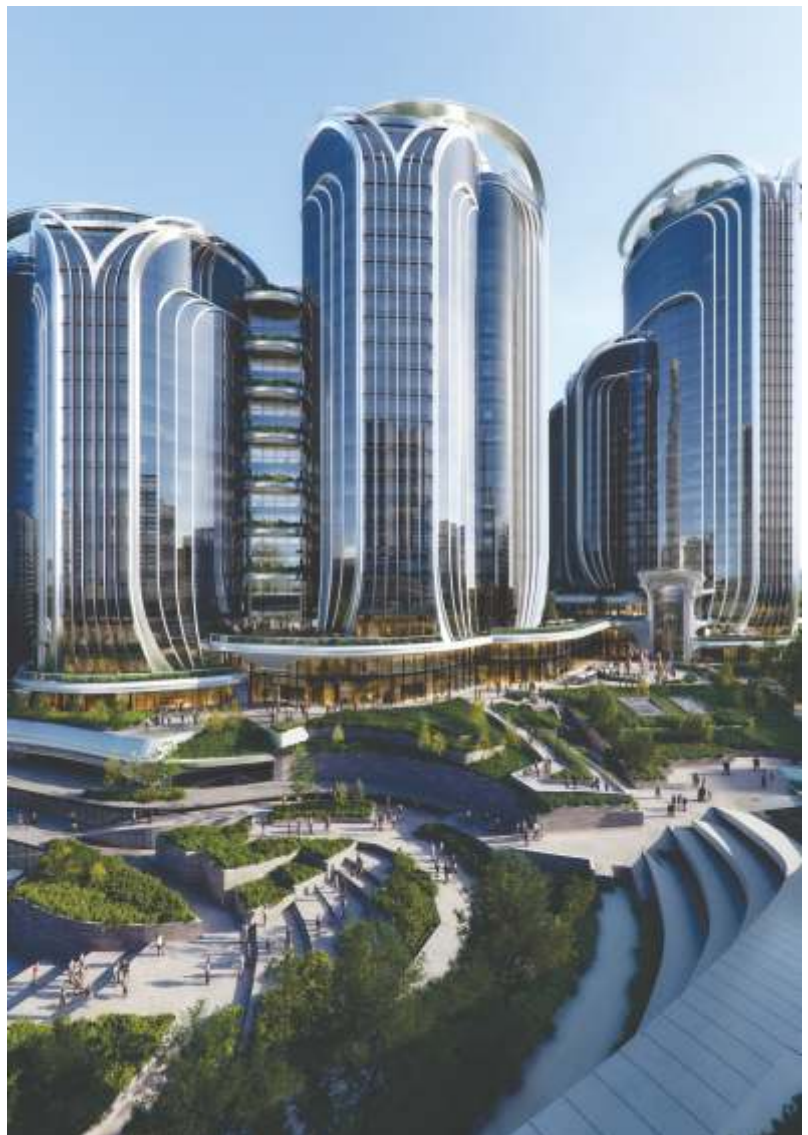
Adjacent to the West Kowloon Cultural District, the 3.2 million sq. ft. development above Hong Kong's High Speed Rail West Kowloon Terminus connects established and emerging neighbourhoods with a network of public gardens and landscaped plazas.

Integrating with the station and its rooftop park, the design by Zaha Hadid Architects (ZHA) incorporates civic, office and retail spaces of the highest standards.

At the heart of West Kowloon in Hong Kong, this landmark development is located above the existing West Kowloon Station highspeed rail terminus which has remained in operation throughout construction. As Hong Kong's only station on the Guangzhou-Shenzhen-Hong Kong Express Rail Link, the terminus is a major gateway between Hong Kong and mainland China.

Also adjacent to the Kowloon and Austin stations of Hong Kong's MTR metro network, this new business district integrates with a key section of the 1.5 km landscaped pedestrian West Kowloon Parkway, giving the communities within Kowloon direct access to the harbourside and parks of the West Kowloon Cultural District.

Providing almost 100,000 sq. ft. of garden terraces, plazas and atriums with shopping and dining on its lower five levels, the development incorporates two pairs of interconnected office towers located at both the northern and southern ends of the site. The towers frame a large central plaza with a sculptural pavilion housing panoramic lifts that connect to the levels below. Linking with the West Kowloon Parkway, the plaza incorporates many sheltered outdoor







gathering spaces for relaxation, recreation, and public events.

Complementing the unique geometry of West Kowloon Terminus, the development's composition maximizes outdoor public space and enhances natural ventilation throughout the district, as well as contributes to preventing each tower from being overlooked by its neighbouring building. This configuration also respects the ridgeline of Kowloon's mountains to the north, adhering to height restrictions that maintain the mountain views from across the harbour on Hong Kong Island.

Providing 2.6 million sq. ft of Grade A people-centric workspace in floorplates up to 72,000 sq. ft. that are largely column free and adaptable to current and future work configurations, the towers incorporate floor-to-ceiling heights of at least 3m with

panoramic views over Hong Kong and access from all floors to planted outdoor terraces for occupants' wellbeing.

Divided into a series of interconnected 'petals' each with a different orientation and height, the towers define a dynamic silhouette on the West Kowloon's skyline. The top of each tower tapers inward to reduce their perceived volume while the façade's vertical shading pleats extend over each rooftop, creating 'halos' that shelter roof terraces and skygardens.

Interwoven with the new landscaped terraces and civic plaza above the station, the towers also taper inward at lower levels, reducing their footprint to increase outdoor space while encouraging pedestrian circulation and air flow.

Achieving an 'excellent' BREEAM

rating as well as the highest rating of LEED, WELL and HK BEAM Plus pre-certification, the development incorporates high-performance façades with low thermal transfer values and solar shading fins. Photovoltaic panels integrated at roof level and within the façade will reduce energy demand from the city's electricity grid.

A centralised plant of high-efficiency HVAC systems combined with seawater cooling, heat recovery and a smart building management system that automatically monitors and controls services will ensure the highest standards of comfort and air quality with a significant reduction in energy consumption.

Upon completion, global wealth manager UBS will be consolidating their various Hong Kong operations into a tower within the development.

Creating a series of new open spaces for Kowloon's residents and visitors, together with environments for work and leisure designed to enhance wellbeing, this landmark development at the heart of Hong Kong's transport network is defined by its unique location within one of the world's most dynamic cities.





# Things To Know Before Buying Blackout Curtains

*Blackout curtains come in a variety of colours, patterns and designs*



Blackout curtains are a popular choice for those looking to enhance their home's privacy and reduce energy costs. These curtains are specially designed to block out light and insulate rooms against heat and cold. Whether you are a night shift worker looking to create a dark sleeping environment during the day, or simply someone wanting to cut down on energy bills, blackout curtains are an excellent addition to any room. Here are some important things to consider before making a purchase.

## **What are blackout curtains and what are they used for?**

Choosing the perfect curtains for your house may be a difficult task because of the wide range of textiles, styles and hanging patterns available. Curtains give a touch of class to your living space while also preserving your privacy. Window coverings come in a variety of styles, but curtains are the most common and time-tested option. When it comes to practicality, blackout curtains are a no-brainer. They look great, preserve your privacy and block out almost all light and noise.

Blackout curtains are composed of velvet or suede, which is a heavy, thick fabric that is difficult to see through. To enhance their ability to filter light and act as a thermal insulator, opaque textiles are sometimes reinforced with rubber, polyester or polyethylene. Double and triple layer blackout curtains are the most effective due to their structure, which blocks out light better. When it's day or night, they do a great job blocking out light from all directions to provide a peaceful night's sleep.

## **Things to know before buying blackout curtains**

**Material and Fabric Quality:** The effectiveness of blackout curtains largely depends on the material used. Most blackout curtains are made from thick, heavy fabrics like polyester, which is layered with a foam backing that blocks light. High-quality materials not only improve the functionality of the curtains in blocking light but also help in insulating the room, thus maintaining a consistent room temperature.

**Measurements are Crucial:** Before buying blackout curtains, measure your windows carefully. It's important to ensure that the curtains cover the entire window. For maximum light blockage, consider curtains that extend a few inches beyond the window frame on each side. This prevents light from sneaking through the edges.

**Understand the difference between blackout and room-darkening:** While often used interchangeably, 'blackout' and 'room-darkening' curtains have distinct differences. Blackout curtains typically block 99% of light, making them ideal for bedrooms or media rooms. Room-darkening curtains, on the other hand, block about 95% of light and are more suitable for living rooms or dining areas where complete darkness is not necessary.

**Energy efficiency benefits:** One of the significant advantages of blackout curtains is their ability to reduce energy costs. By providing an extra layer of insulation, these curtains keep rooms warmer in the winter and cooler in the summer. This can help reduce your heating and cooling expenses significantly.

**Noise reduction:** Blackout curtains can also help reduce noise from the outside. The thick materials used can dampen sounds, making them a great option for people living in busy urban areas or those who are sensitive to noise.

**Style and aesthetics:** Gone are the days when blackout curtains only came in a few basic colours. Nowadays, they are available in a wide range of styles, colours and patterns that can match any home decor. However, it's essential to pick a style that not only complements your room but also meets your functional requirements.



**Maintenance and care:** Before purchasing blackout curtains, consider their maintenance needs. Most blackout curtains require gentle washing to avoid damaging the foam backing that blocks light. Check the care label for washing instructions to ensure you can maintain them properly.

**Installation requirements:** Consider the type of curtain rod and hardware needed for your blackout curtains. Due to their weight, some blackout curtains may require sturdier rods and brackets. Ensure that the installation tools can support the weight and that you are equipped to set them up correctly.

**Price range:** Blackout curtains can vary widely in price, based on material quality, brand and size. Set a budget before shopping but be prepared to invest a bit more for high-quality fabrics that provide better light blockage and thermal insulation.

**Check for certifications:** Look for certifications that guarantee the curtains' effectiveness. Certifications like the National Sleep Foundation's endorsement can be a mark of quality and effectiveness, especially for blackout curtains designed to enhance sleep quality by blocking out light. Buying blackout curtains is a smart decision for enhancing comfort, privacy and energy efficiency in your home. By considering the above factors, you can choose the perfect blackout curtains that meet your needs and blend seamlessly with your home decor. Remember, the right curtains are not just functional but can also be a stylish addition to your rooms.

#### **Why should you buy blackout curtains for better sleeping habits?**

For many individuals, the sun's rays disturb their sleep, regardless of how deep their slumber is. With the finest blackout curtains, you can sleep well at night without having to worry about being bothered by light from the outside. Dark curtains are a great choice no matter where you live.

**Rectifies sleep patterns:** High-quality blackout curtains keep out street lights and sunshine, enabling the pineal gland to generate the hormone melatonin at its maximum capacity. This is critical since the sleep cycle is influenced and regulated by melatonin production. Those who work midnight shifts are more prone to sleep disorders because of their inconsistent sleep patterns. The use of blackout curtains may make the transition throughout the day a little easier, which helps with the sleep quality.

**More restful sleep:** Insomniacs and others who have difficulty sleeping may benefit from a totally darkened room to improve their dream environment and get a better night's sleep. The flashing of car lights or illuminance from the street outside the windows can be distracting. Blackout curtains

block out all the sources of light effectively to help you sleep better, faster, and stay asleep longer.

**Reduces noise pollution:** Blackout curtains may aid in reducing noise pollution. This is particularly true in densely populated metropolitan regions or communities. It is possible to have a peaceful and pleasant night's sleep by using insulated blackout curtains.

**Lower energy cost:** Buyers get access to innovative blackout curtains in the market that help regulate the temperature. When it's chilly outside, these curtains will help keep you snug and warm, and when it's hot, they will help keep the space fresh and cool. As a result, your well-being, and sleep will improve and the earth's breathing will be a little easier as a result of lower energy costs and a lesser environmental impact.

#### **Blackout Curtains Colour Options**

Regardless of whether you need blackout curtains for a home theater room, bedroom, or living room, you still want them to look good. Blackout curtains aren't simply black; they come in a variety of hues. However, you don't have to settle for a dark hue to block out the light; instead, there are a wide variety of fashionable colours and themes available, from turquoise to beige.



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# Your Brief Guide To Hanging Lights For Bedroom

*Opt for these stylish hanging lights for bedrooms that ooze sophistication.*



Lighting plays a vital role in making your bedroom warm and inviting. Hanging lights, in particular, can add a touch of elegance and make the space feel more refined and comfortable. These lights hang from the ceiling, freeing up space on your bedside tables and adding a stylish look to your room. They come in many styles, from simple and modern to ornate and classic, so you can easily find something that fits your taste. In this easy-to-follow guide, you'll learn about the best hanging lights to brighten up your bedroom and create a peaceful, beautiful retreat.

- **Pendant Lights**

Pendant lights are single-bulb lights that hang from the ceiling by a cord, chain, or rod. They come in many different styles, materials, and sizes, so you can easily find one that fits your bedroom. Pendant lights are great for focused lighting, like over a nightstand or reading area.

- **Chandeliers**

Chandeliers are more fancy than pendant lights and have several branches with bulbs. They add a touch of glamour and elegance to a bedroom. However, they are better for larger bedrooms since they can easily overwhelm smaller spaces.

- **Lantern-Style Hanging Lights**

Lantern-style hanging lights bring a rustic charm to your bedroom. They come in materials like metal, wood, and glass. Lanterns can be used for both general and task lighting.

- **Globe Lights**

Globe lights are round or ball-shaped hanging lights that give off a soft, diffused light. They are great for bedrooms needing gentle, ambient lighting.

- **Flush Mount Lights**

Flush mount lights are fixed directly to the ceiling and don't hang down much, making them perfect for bedrooms with low ceilings. These lights can be used for overall lighting or focused task lighting, providing bright and even illumination without taking up much space.

- **Semi-Flush Mount Lights**

Semi-flush mount lights are installed a bit lower from the ceiling compared to flush mount lights, but they don't hang down as much as pendant lights. They work well in bedrooms with ceilings of medium height. These lights can







serve both general lighting purposes and for specific tasks, offering a balanced blend of brightness and style in your bedroom.

- **String Lights**

String lights are a playful and charming way to bring light into a bedroom. They can create a twinkling starry effect or simply add a cosy atmosphere. While they aren't ideal for focused tasks, string lights can brighten up the room with a gentle glow, perfect for setting a relaxing mood for your bedroom.

- **Paper Lanterns**

Paper lanterns are a fun and whimsical addition to a bedroom, available in various colours and sizes. They can be used to create both general lighting or for specific tasks. However, because they are made of paper, they may not last very long, which is something to keep in mind, especially in a child's bedroom where durability is important.

- **Track Lighting**

Track lighting is a setup where lights are attached to a track on the ceiling. You can adjust these lights to point in different directions, giving you control over where the light shines. It's great for bedrooms that require versatile lighting options to suit various needs and preferences.

- **Crystal Chandeliers**

Crystal chandeliers are the most extravagant choice for a bedroom. They bring a sense of opulence and elegance, transforming the room into something extraordinary. However, they are also the priciest option among hanging lights.

## FAQs

- **How do I choose the right size hanging light for my bedroom?**

Consider the size of your bedroom and the ceiling height. Large fixtures overwhelm small spaces, while tiny lights get lost in expansive rooms. Generally, chandeliers and large pendants need at least 7 feet clearance from the floor, while smaller pendants for reading nooks should be 24-30 inches above the nightstand.

- **What kind of lighting is needed in my bedroom?**

A well-lit bedroom usually needs a combination of ambient lighting (general illumination) and task lighting (focused light for specific areas like reading nooks). Hanging lamps can provide both depending on the type and placement.

- **Can hanging lights replace other bedroom lighting?**

With enough lights and the right placement, hanging lights can eliminate the need for overhead tube lights.



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# How To Monsoon Proof Your House?

*Monsoon season brings refreshing rains but also potential challenges for homeowners.*



Monsoon season, characterised by heavy rainfall and high humidity, is a period of revitalization for many parts of the world. It's a time when landscapes turn lush green, rivers swell, and the air becomes cool and fragrant. However, the monsoon season can also bring a set of challenges for homeowners. Water logging, dampness, power outages, and damage to property are common issues during this time. This article will help you understand how to monsoon-proof your house effectively and maintain the charm of your home unaffected.

## Understanding Monsoon Challenges

Monsoon rains can cause significant problems around the house. The most common issues homeowners face during this season include clogging of drains, leakage, seepage on walls, damage to electrical appliances, and a damp, musty smell that invades the home. Overlooking these issues can lead to costly repairs and also pose health risks due to mould and mildew growth.

## Monsoon-Proofing your House

### • Kitchen

The kitchen is one area that needs particular attention during the monsoon. Ensure drain pipes are unclogged, and there's no stagnant water as it can attract pests. Regularly clean the kitchen sink and use a sink strainer to prevent food particles from blocking the drain. Additionally, keep the area dry to prevent mould and mildew growth.

### • Drainage

Proper drainage is crucial during the monsoon to avoid waterlogging and seepage issues. Check all drainage systems in and around your home to ensure they are free from blockages. Regularly clear gutters and downspouts to avoid water overflow. Consider installing additional drainage solutions like French drains to manage excess rainwater effectively.

### • Walls

Check your home for any cracks or crevices, especially on the walls. These can allow rainwater to seep in, causing dampness and damage. Waterproofing your walls can prevent this issue. Use high-quality sealants to close any gaps and apply water-repellent coatings to add an extra layer of protection.

### • Roof

Inspect your roof thoroughly for any cracks, missing tiles, or other damage. The roof is a critical area that can allow water to enter your home if it is not properly maintained. Consider applying a waterproof membrane or coating to your roof to prevent leaks. Regular maintenance and timely repairs are essential to keeping your roof in good condition.

### • Electrical Appliances

Always ensure that electrical appliances are well-grounded to prevent electrical hazards during the monsoon. Use a good quality surge protector for added safety. Keep appliances in a dry place and avoid using them with wet hands. Regularly inspect electrical outlets and cords for any signs of damage or wear.

### • Furniture

Wooden furniture and fixtures are prone to damage during the monsoon due to the high humidity. Use a dehumidifier to maintain the moisture levels in your home. Keep wooden furniture away from walls to allow air circulation and prevent dampness. Regularly check for termite infestations as they are common in the monsoon, and treat affected areas promptly.



### • Other Items

Other household items, such as carpets, curtains, and clothing, can also be affected by the increased humidity during the monsoon. Use dehumidifiers and moisture absorbers to keep these items dry. Store items in airtight containers to prevent mould and mildew growth. Regularly air out your home to maintain a dry and healthy environment.

### Maintenance Tips

Routine maintenance can go a long way towards avoiding major monsoon-related issues in your home. Here are a few simple tips:

- Install waterproofing solutions on your roof to prevent leaks.
- Ensure all windows and doors are sealed properly to avoid water seepage.
- Trim any overhanging tree branches to prevent them from causing damage during heavy rains.
- Regularly check and fix any leaks in pipes and faucets to prevent water damage.
- Protect outdoor furniture and appliances by moving them indoors or covering them during heavy rains.

### Important Considerations

While monsoon-proofing your home, consider the following:

- Start the process well before the onset of the monsoon to avoid last-minute rushes and inconveniences.
- Hire professionals for tasks like waterproofing and electrical checks for a thorough job.
- Always keep a check on the weather forecast. This can help you prepare for heavy rainfall days in advance.
- Ensure that all roof gutters, drains, and downspouts are clear of debris to prevent water blockage.
- Inspect and repair any existing damage to the roof, walls, and foundation to prevent further water infiltration.

- Use weather-resistant materials for any outdoor repairs or renovations to enhance durability against monsoon rains.
- Consider installing a rainwater harvesting system to manage excess rainwater efficiently and reduce the risk of flooding.
- Check and maintain the integrity of windows and doors to ensure they are properly sealed against water ingress.
- Keep essential tools and materials handy, such as tarps, sandbags, and sealants, for emergency repairs during heavy rains.
- Regularly check the electrical wiring and outlets to ensure they are dry and safe from potential water contact.

Monsoon-proofing your house can make the rainy season a pleasant experience. A little preparation can help you enjoy the monsoon while protecting your house from potential damage. After all, the monsoon is a season to enjoy the rhythmic pattern of rain, the fresh smell of wet soil, and the cool breeze, not a time to worry about home maintenance issues.

### FAQs

- ***When should I start preparing my house for the monsoon?***

Ideally, start preparing your house for the monsoon a few weeks before it starts. This gives you ample time to identify potential issues and address them.

- ***What is the best way to prevent seepage on walls during the monsoon?***

Waterproofing your walls and roof is the most effective way to prevent seepage.

- ***How can I protect my wooden furniture during the monsoon?***

Keep your furniture in a well-ventilated room and use silica gel packets to absorb excess moisture.



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# Can A Minor Buy A Property In India?

*While it is legally possible for a minor to own a property in India, the process is governed by strict regulations*



Buying a property in India involves navigating numerous legal complexities, which become even more intricate when a minor is involved. Many people wonder if a minor can legally purchase a property in India. The answer is yes, but with specific conditions and regulations. Understanding these rules is crucial for anyone considering a property transaction involving a minor. In this article, we will explore the legal framework governing property purchases by minors, the role of guardians, and the necessary steps to ensure compliance with the Indian law. Read on to learn everything you need to know about minors buying properties in India.

## **When can a minor own a property in India?**

As per the Transfer of Property Act 1882, a minor can only own property if it is given to him as a gift. In such situations, guardians or parents cannot interfere. A minor is allowed to sign a gift deed as a donee. However, the Registration Act 1908 prevents minors from signing any contract or deed. A person must be at least 18 years old to legally sign a contract and officially own a property.

## **Can a minor buy property?**

Buying a property under a minor's name is only feasible if it is given as a gift. Although the minor will legally own the property, they are not responsible for its upkeep until they are mature. Once the minor reaches the appropriate age, he can manage the property himself.

A minor can also acquire immovable property using his own funds. In such cases, the agreement, sale deed, or any related document must be signed by the minor's guardians or parents, who must uphold the highest standards of integrity and ethics when managing the property on behalf of the minor.

## **How to register a property under a minor's name?**

Registering a property under a minor's name involves several steps. Here's a step-by-step guide:

### **Step 1: Property Background Check**

Before transferring a property to a minor, thoroughly investigate the property's background. Ensure there are no disputes or pending legal cases concerning ownership. Verify that all bills, taxes, and other dues are fully paid, and there are no liabilities on the property. While this step is not specific to minor property registration, it is essential for any property transaction.

### **Step 2: Gather Documents**

The next step involves gathering the necessary documents. This includes the property agreement, survey documents, title deed, payment receipts for property taxes, current owner details, and other legal documents required for property purchase.

### **Step 3: Transfer Process**

First, transfer the property to the minor's guardian, then transfer it to the minor. Stamp duty must be paid during each registration. In many cases, a minor can be named as the owner in the purchase documentation, but it must be under guardianship, with all documentation and signatures provided by the guardian.

### **Step 4: Final Registration**

After paying stamp duty, visit the sub-registrar's office for the final registration process. As with any property purchase, present the property deed documents along with



two witnesses, their identity proofs, and passport-size photographs.

It's essential to note that the process for registering property under a minor's name may vary depending on specific circumstances. Consulting a legal advisor is strongly recommended to understand the property registration process under a minor's name before proceeding further.

### Can the guardian sell the property under the minor's name?

While property acquisition by a minor is possible only through a parent or natural guardian, selling property in a minor's name requires court permission. Section 8(2) of the Hindu Minority and Guardianship Act, 1956, addresses this issue. It states that a minor's immovable property cannot be charged, mortgaged, or transferred by gift, exchange, sale, or any other mode without prior permission from the court. If a natural guardian transfers or sells the immovable property without following clause (2) of Section 8, the sale is deemed void if the minor contests it. The minor can challenge the sale within the limitation period, which starts after he/she turns 18.

### Taxation on property owned by minor

According to the Indian Income Tax laws, a minor can hold up to two properties. The minor can benefit from these properties without facing taxation. Income from a gifted property that the minor and his family uses is not taxable. If a property is rented out under a guardian's supervision, a standard deduction of 30% on the rental income applies. A property can be bought under a minor's name only if it is gifted or purchased with the minor's funds, and it is managed by the parents or guardians.

While it is legally possible for a minor to own property in India, the process is governed by strict regulations and requires careful adherence to legal frameworks. Properties can only be acquired by minors through gifts or purchases made with their funds, under the supervision of guardians. Additionally, any sale or transfer of such properties mandates prior court permission to ensure the minor's interests are protected.

Understanding these legal nuances is essential for guardians and parents to ensure compliance and safeguard the minor's property rights effectively. Always consult a legal advisor to navigate the complexities involved in property transactions for minors.



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# How To Make Ghar Ka Naksha?

*Ghar ka naksha is the map of the house that you are drawing so that your dream house can shape the way you aspire it to be.*



Those planning to build a property all on their own, have to consider numerous aspects, to build a dream residence. One of the things that become quite important in the planning process for such a person, is planning home naksha layout of your new home, that is, the ghar ka naksha, as they call it in Hindi. A sustainable home naksha design should be in place, to help you construct your dream home. While making the ghar ka naksha, many are very careful about following the principles of Vastu Shastra and also making the best use of available space.

If you are hiring the services of an architect for making your ghar ka naksha, it would definitely be of some help but you need to do some homework before getting simple ghar ka naksha done.

## Home Naksha Using AI

Today, you can use artificial intelligence (AI) to make your ghar ka naksha or home naksha. For that you have to first consider and provide following details:

- **Plot size:** Mention the dimensions of the plot in square feet or square meter.
- **Number of floors:** Mention number of floors for which you have got permission.
- **Number of rooms:** Mention the number of rooms that you would want in your house.
- **Features of the house:** Mention features that you want in your house like an open terrace, an open balcony, garage etc.
- **Design preference:** Mention the style you want for your house like modern, minimalist, traditional, contemporary etc.
- **Additional Information:** You can also make a note of any

additional instruction that you want to mention.

You can use information with an AI tool and create a ghar ka naksha.

## How to Make House Naksha?

Creating a house naksha/ Ghar ka naksha is one of the foremost steps when building a home. Makan ka naksha of properties built adhering the principles of Vastu, are often seen to be well-placed, well-ventilated and even healthier for the inhabitants. In view of this, it is important to follow these home naksha rules when it comes to selecting the plot and its size, while going about making ghar design.

If your plot of land is north-facing or east-facing, there are simple ghar design principles that will help you make the most of it. As per Vastu, in a home naksha homes that east, north and north-east-facing are most auspicious. Nevertheless, it is also true that there is no bad direction and minor tweaks in your ghar ka naksha can help you arrive at the best possible home naksha.

### • Kitchen:

While preparing the ghar ka naksha, plan on whether you want to go in for an open or closed kitchen. In cities where space constraints are common, families in a ghar ka naksha prefer an open kitchen format, where the doors and walls do not take up extra space. A drawback of this ghar ka naksha format is the challenge of keeping the kitchen presentable at all times. On the other hand, the benefits of this makan ka naksha are more. For example, this ghar ka naksha provides optimum use of space, enhances the appeal and because of this ghar design, it becomes a very utilitarian space.

As per Vastu, the following direction is best-suited for your kitchen. Include it in your ghar ka naksha. Important kitchen Vastu Shastra tips

### • Laundry Area

You could use the wash area in Ghar Ka Naksha to wash utensils, or to wash and dry your clothes. If you look at any ghar ka naksha ka photo, you will see the wash area attached to the kitchen or close to it. It is both convenient and practical to design wash area near the kitchen in your



makan ka naksha, because there will be sufficient air and light coming into the kitchen and you would not have to bother about an open-to-sky or OTS duct in the wash area.

#### • **Store Room**

If you are planning a store room in your house naksha, it is important to consider a few points. A store room in ghar ka naksha is best placed near the kitchen or close to it. The naksha ghar ka should facilitate this unless you are planning a bigger home and have ample space to do so in which case applying the principles of Vastu will be favourable. As per Vastu Shastra, in your home naksha, avoid placing the store room in the east or north. The south-west corner is best for store room in your simple ghar banane ka naksha if you want to store heavy machines or equipment. Generally speaking, both the north-west and the south-west are ideal locations for the store room in your ghar design.

#### • **Master Bedroom**

According to any ghar ka naksha, this is the biggest bedroom in the house and is to be occupied by the head of the family and his spouse. In your home naksha, when you plan your home, make sure that all bedrooms are in an even size. A simple reason behind planning ghar design in such a way, is that you will not have to cut and resize the tiles when your mason places it. The minimum size of a master bedroom in your naksha ghar ka should be 12 ft x 12 ft, which is the standard size. You can make it bigger if there are no space restrictions according to your ghar ka naksha. An attached toilet and a dresser can be planned in this room while doing your ghar ka naksha online. However, remember in your ghar ke naksha, toilets should not lie close to a kitchen area.

#### **How to Plan a Staircase in Your Home?**

In your ghar ka naksha ka photo, the staircase should

always be in a clockwise direction, while ascending the stairs. If you are walking in an anti-clockwise direction, ghar ka naksha design is not ideal. Also, the stairs should always be odd in number a flight of 15, 17, 19, 21 or 23 stairs, etc in your ghar design. The standard size of a stair in a makan naksha is three ft wide, with a six-inch riser and 11-inch tread. The minimum, in most places, is two ft and eight inches (81.3 cms) in a makan ka naksha. In case, a staircase exceeds 44 inches (111.8 cms), then, include handrails in your home naksha

#### • **Dining Area**

The best placement for your dining room in your simple ghar ka naksha is close to the kitchen. If you have a staircase in the house, placing your dining room in front of the stairs in the ghar ka naksha is a good idea. It gives a good visual appeal and the space does not look vacant or empty either while designing your ghar ka naksha online. As per Vastu principles, some properties may allow the placement of a dining room just under the staircase, which is a great way to make use of the extra space.

#### • **Drawing Hall or Living Room**

To entertain your guests, a drawing-cum-living room is necessary in the ghar ka naksha. Often in makan ka naksha people use the terms drawing hall and living room synonymously but there is a difference. In the ghar ka naksha, a drawing hall is usually at the entrance of your home and for guests who are more of acquaintances. A living room is where you wish to entertain a known guest. Unfamiliar guests need not be brought till the drawing hall and can come to the verandah, designed in the ghar ka naksha.

However, looking at the space constraints in cities, not all home naksha may have these room divisions easily available to them. In case you have the luxury to do so, make sure you plan the ghar ka naksha accordingly.



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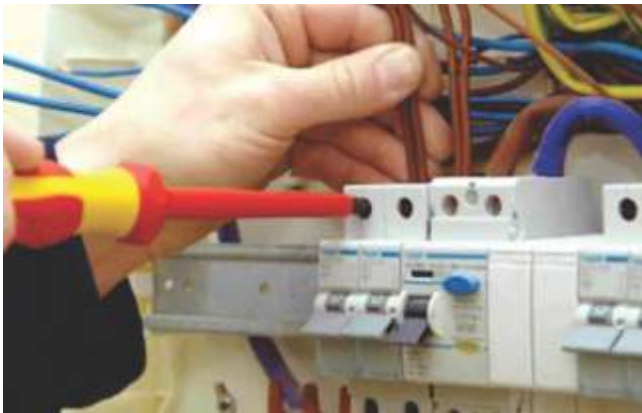
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# What Is Earthing: Everything You Need To know

*Electrical earthing refers to discharging excess electrical current directly into the earth through a low-resistance cable*



An electric shock may occur if you touch a live metal component in your electrical system. If you want to avoid it, earthing is a good way to do so. Earthing is accomplished by allowing a fault current to flow safely to the ground through a protective conductor. It also triggers the protection mechanism (the fuse or circuit breaker) to cut power to the faulty circuit.

Electrical earthing refers to discharging excess electrical current directly into the earth through a low-resistance cable. Connecting the equipment's neutral (or the supply system's neutral) to the earth constitutes electrical earthing. If you want the answer to "what is earthing?", then read the article.

## **Purpose**

Earthing is done so that the potential of a current-carrying conductor does not increase with respect to the earth beyond its intended insulation, preventing electrocution and fires caused by the earth leaking electricity via an undesirable channel.

The metal components of electrical appliances get charged, and static charge builds on them when they come into touch with a live wire, which may happen when the

wiring in question is improperly installed, or the cable insulation is damaged. A person receives a shock by touching a charged metal.

## **Different Earthing Methods for Electrical Systems**

- GI (galvanised iron) wire directly connects the system's neutral and the ground, or earth. This kind of earthing is known as neutral earthing or system earthing. Only systems with star winding get this kind of earthing. Electrical appliances have access to earthing equipment. Electrical equipment components that do not generate current, such as the metal frame, are grounded through the conducting wire.
- Pipe earthing is the most effective and cost-effective method of earthing. To create earth electrodes, pipes with a diameter of 38mm and a length of 2 metres are buried vertically in the ground.
- Plate earthing involves burying a copper or GI earthing plate at a depth of more than three metres below grade. An alternate layer of coke and salts protects this earthing plate.
- In transmission procedures, strip earthing is employed. Electrodes are laid in horizontal trenches at least 0.5 metres deep, with a cross-section of 25mm x 1.6mm for copper or 25mm x 4mm for GI or steel.

## **Beneficial Effects of Grounding**

- In the event of a short circuit, earthing will prevent any harm to the workers.
- Even if the insulation fails, earthing still offers the simplest route for short-circuit current to pass.
- Earthing prevents damage to equipment and people from lightning and high voltage surges.
- With correct earthing, metal may be utilised in electrical systems without first checking its conductivity.



### Constituents of the earthing infrastructure

The following are the primary parts of an all-inclusive electrical earthing system:

- Earth Continuity Conductor
- Earthing Lead
- Earth Electrode

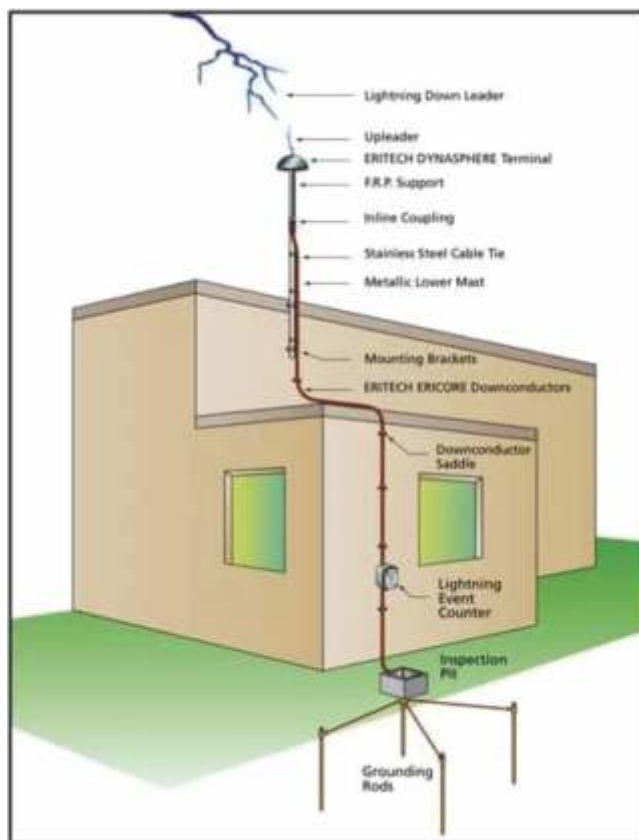
The term “earth wire” or “earth continuity conductor” refers to the part of the earthing system that connects all of the metals in an electrical installation, such as the conduit, ducts, boxes, metallic shells of the switches, distribution boards, switches, fuses, regulating and controlling devices, metals in electrical machines like motors, generators, and transformers, and the metal framework in which electrical devices and components are installed.

### How it occurs?

To achieve earthing, the installation's components are wired to a set of electrodes or electrical wires located in or near the soil. All of the equipment's non-current-carrying metallic elements are linked to the earthing mat or electrode through a flat iron riser buried in the ground. The term “earthing” describes the assembly that makes contact. Electrical connections are the metal wires that go between various components of an installation and the grounding system. The term “earthing system” refers to both the practice and the associated link.

An earthing joint, also known as an “earthing lead,” is the connection between the earth's continuous conductor and the earth's electrode or earth plate. The earthing lead is often a hard-drawn, bare copper wire. The earth electrode (earth plate) is linked to the connecting point via an earthing lead after all earth conductors have been connected to common (or many) connecting points.

Two copper wires serve as earthing leads, connecting



the device's metallic body to a ground electrode or earth plate, increasing the installation's safety factor. In other words, there will be four earthing leads if two earth electrodes or earth plates are used. To provide optimal safety, both earth's leads must function effectively to transport fault currents, and it should not be assumed that these leads are utilised as parallel pathways.

The last piece of an electrical earthing system is a metallic electrode or plate that is buried in the ground. The term “earth plate” or “earth electrode” is used to describe the metallic (plate) component of the earthing system that is buried underground and linked to earthing lead.



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# Your Guide To Proper House Ventilation Design

*A breath of fresh air can do wonders for your health. Take a look at a few recommendations to get you started with house ventilation designs*



Indoor spaces need good ventilation to stay fresh and healthy. Proper ventilation design ensures a steady flow of air, reducing stuffiness and removing pollutants. It not only improves air quality but also enhances comfort and well-being in your home. In this guide, you'll learn the top tips for designing effective ventilation in your house, making your living space fresher and healthier.

## **Meaning of Ventilation**

Ventilation means letting indoor and outdoor air flow in and out. Without good ventilation, a sealed house can trap harmful pollutants like carbon monoxide and moisture that can cause damage.

## **Types of House Ventilation**

There are three main types of home ventilation:

- **Natural Ventilation**

This happens when outdoor air flows in through windows, doors, or gaps in the home. It's the oldest method and is still common in older houses.

- **Spot Ventilation**

This uses localised fans, like those in range hoods over stoves or bathroom exhaust fans, to remove pollutants and moisture from specific areas quickly. It's often used alongside natural ventilation to improve airflow.

- **Whole-House Ventilation**

This involves using fans and duct systems to either exhaust stale air or bring fresh air into the entire house. These systems can be exhaust-only (relying on leaks for fresh air), supply-only (relying on leaks to remove stale air), or balanced (combining both

exhaust and fresh air intake). They ensure consistent ventilation throughout the entire home.

- **Exhaust-Only Ventilation**

Uses fans in places like kitchens and bathrooms to pull out stale air.

- **Balanced Ventilation**

Uses both exhaust fans and supply fans or inlets to keep a steady air flow. This helps maintain consistent air pressure and saves energy.

- **Heat Recovery Ventilation (HRV)**

This system captures heat from the air leaving your home and transfers it to the incoming fresh air. It helps reduce heating energy costs.

## **Importance of Ventilation**

- Having good ventilation in new homes is more important now than ever before. With increased pollution, crowded cities, and fewer green spaces, it's crucial to improve ventilation systems in new constructions.
- Ventilation helps remove moisture, smoke, cooking smells, and indoor pollutants from your home. Without proper ventilation, gases from appliances like stoves and fireplaces can build up and pose health risks.
- When building your home, it's essential to consider different ventilation options to ensure fresh,



high-quality air indoors. A good ventilation system also helps control attic heat, reduces dampness in closed spaces and basements, and prevents moisture from damaging uninsulated walls.

- Placing windows strategically to promote airflow, using kitchen chimneys and exhaust fans, and installing bathroom exhaust fans are all important for effective ventilation. This not only keeps the air moving smoothly but also maintains a healthy environment indoors.
- Excessive moisture can lead to mould growth, damage insulation, and even cause structural problems. High humidity levels can also increase cooling costs. Proper ventilation, including ductwork and exhaust fans, helps remove harmful gases and prevents moisture buildup. Taking these steps ensures your home remains comfortable and safe for years to come.

### Design Considerations

- **Climate:** In colder climates, Heat Recovery Ventilators (HRVs) are beneficial, while warmer climates may focus on natural ventilation and exhaust fans.
- **House layout:** Plan airflow paths so that fresh air can enter through

living areas and move towards exhaust points like kitchens, bathrooms, and laundry rooms.

- **Window placement:** Position windows on opposite walls to encourage cross-ventilation. Consider factors such as the direction of sunlight and prevailing wind.
- **Ducts (if applicable):** If using mechanical systems with ducts, ensure they are properly sized and insulated to minimise noise and heat loss.
- **Fan selection:** Choose fans that match the room size and consider their noise levels to maintain comfort.

### Expert Help

Housing construction has very specific rules and regulations. By law, you must get a building permit and follow all the laws and regulations connected to design and construction before you can begin work on your project.

Construction requires qualified and capable personnel to do the job. Construction requires qualified and capable personnel to carry out the job. Consequently, a chief designer in charge of a house ventilation design, for example, must be hired.



### FAQs

- **What's the difference between natural and mechanical ventilation?**

Natural ventilation uses windows and doors for airflow. Mechanical ventilation uses fans and ducts to move air.

- **Which type of ventilation is best for my house?**

It depends on climate, house layout, and budget. Natural might suffice for mild temperatures, while mechanical systems are better for extreme climates or limited natural options.

- **What does balanced ventilation mean?**

It uses exhaust fans along with supply fans or inlets to bring fresh air in, maintaining constant air pressure and improving efficiency.

- **How does Heat Recovery Ventilation (HRV) work?**

HRVs capture heat from outgoing air and transfer it to incoming fresh air, reducing heating costs.

- **How does climate affect ventilation design?**

Colder climates benefit from HRVs to retain heat, while warmer climates might prioritise natural ventilation and exhaust fans.

- **Why is proper attic ventilation important?**

It prevents moisture buildup, mould growth, and overheating in the attic space.



# Rooftop Rainwater Harvesting For Home

*A rooftop rainwater harvesting system is easy to implement and very useful.*



Scarcity of clean drinking water has become a prevalent problem in many parts of the world, including India. For this reason, every effort made towards the conservation of water is necessary. Rooftop rainwater harvesting is an eco-friendly and cost-effective solution for conserving water at home. Read on to learn all about this technique and its benefits.

## What is rooftop rainwater harvesting?

Rooftop rainwater harvesting is a straightforward technique that involves collecting and storing rainwater from a house's roof for various purposes. The harvested rainwater can be utilised for non-potable household activities, such as watering gardens, thereby diminishing reliance on conventional water sources. This method has gained prominence in apartments and gated complexes, emerging as a crucial approach for water conservation.

The process involves the installation of a rainwater harvesting system, typically comprising roof gutters, downpipes, and a storage tank. Its popularity stems from its ease of implementation and the positive impact it can have on reducing water consumption from municipal supplies.

## Rooftop rainwater harvesting: Uses

Rooftop rainwater harvesting is a prevalent practice in India and across the globe, serving diverse purposes aimed at sustainable water usage. The key uses include:

- **Groundwater Recharge:** Facilitating the replenishment of groundwater by directing harvested rainwater into

soil, contributing to overall water table stability.

- **Irrigation and house gardens:** Providing a valuable water source for the irrigation of crops and nurturing house gardens, promoting green space.
- **Toilet flushing and clothes washing:** Utilising harvested rainwater for non-potable household activities like flushing toilets and washing clothes, reducing dependence on treated water.
- **Reducing strain on traditional water sources:** Alleviating the demand on conventional water supplies by incorporating harvested rainwater into daily usage, fostering sustainable water consumption.
- **Mitigating water scarcity impact:** Acting as a proactive measure to address water scarcity challenges by harnessing an alternative water source.
- **Supporting sustainable water management:** Encouraging responsible water management practices by integrating rooftop rainwater harvesting into the broader framework of sustainable water use.

## Rooftop rainwater harvesting: Components

Rooftop rainwater harvesting involves a systematic process that includes various components to efficiently collect, filter and store rainwater for reuse or recharge. Here are the key components involved in different stages of the process:

### • Catchments

These are surfaces directly exposed to rainfall, such as building terraces, lawns, courtyards, or open grounds. Roofs made of materials like galvanised iron, reinforced cement concrete (RCC), or corrugated sheets serve as effective catchment areas.

### • Channels

These are structures that collect rainwater from the edges of a sloping roof and channel it towards a storage tank. Channels can be made of materials like polyvinyl chloride (PVC), plain galvanised iron (GI) sheet, or bamboo trunks.



- **Conduits**

These are pipelines or drains responsible for transporting rainwater from the catchment area to the harvesting system. Conduits can be constructed using materials like PVC or galvanised iron.

- **First-flushing**

This is a valve designed to flush out runoff from the initial rainfall, preventing pollutants from entering the system. It is crucial as the first spell of rain often carries a higher concentration of airborne and catchment surface pollutants.

- **Filter**

This is a unit that eliminates suspended pollutants from rainwater before it enters the storage tank, or recharge structure. The filter chamber typically contains filtering media like fibre, coarse sand, and gravel layers.

- **Storage facility**

These are tanks with varying shapes (rectangular, cylindrical, square) and construction materials (ferrocement, reinforced cement concrete, masonry, metal sheets, plastic). Tanks can be positioned above ground, partly underground or fully underground, requiring periodic maintenance for cleaning and disinfection.

- **Recharge Structures**

These are the mechanisms to facilitate the percolation of rainwater into groundwater aquifers. They include:

- Recharge trenches and permeable pavements promote percolation at shallower depths.
- Recharge wells conduct water to greater depths, contributing to groundwater replenishment.
- Recharge pits, lined with brick/stone walls and openings, facilitate percolation while following a design procedure like a settlement tank.



### **Rooftop rainwater harvesting: Installation**

Installing a rooftop rainwater harvesting system in homes, offices and apartments is a straightforward process. Here's a comprehensive step-by-step guide to help you set up the system in your building:

- **Assess rooftop suitability:** Evaluate the rooftop to ensure it is suitable for rainwater harvesting. Consider factors such as size, material, and structural integrity.
- **Clean gutters and downpipes:** Ensure unobstructed water flow by cleaning gutters and downpipes, removing debris or blockages.
- **Install a first flush diverter:** Incorporate a first flush diverter to divert initial rainwater, which may contain pollutants, away from the harvesting system.
- **Place leaf guards:** Install leaf guards to prevent leaves and larger debris from entering the system, maintaining water quality.
- **Install a fine mesh filter:** Enhance water purification by installing a fine mesh filter to trap finer particles and impurities from the collected rainwater.
- **Connect water pipes to storage tanks:** Establish connections from the rooftop to storage tanks using water pipes, ensuring a seamless flow of harvested rainwater.






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- **Place an overflow pipe:** Install an overflow pipe to prevent tank overflow during heavy rainfall, directing excess water away from the harvesting system.
- **Install a water pump (if necessary):** If needed for distribution purposes, install a water pump to facilitate the efficient use of harvested rainwater.
- **Regularly inspect pipes:** Maintain optimal efficiency by regularly inspecting and cleaning the water pipes, filters, and other components of the system.
- **Follow local regulations:** Adhere to local regulations and guidelines related to rainwater harvesting. Seek professional advice if necessary to ensure compliance and optimal performance.

#### **Rooftop rainwater harvesting: Advantages**

Implementing rooftop rainwater harvesting offers several benefits, promoting sustainable water management. Here are the advantages:

- **Water conservation and cost reduction:** Promotes efficient water conservation, leading to reduced water bills for households or establishments.
- **Mitigation of on-road flooding and soil erosion:** Helps mitigate on-road flooding and soil erosion within the complex, contributing to environmental resilience.
- **Cost-effective and easy implementation:** The system is cost-effective, with a straightforward implementation process that requires minimal maintenance.
- **Diminished usage of potable water:** Reduces reliance on potable water for various purposes, offering an alternative water source for non-potable needs.
- **Reduction in water consumption:** Contributes to a significant reduction in water consumption, potentially lowering overall usage by up to 40%.

#### **Rooftop rainwater harvesting: Disadvantages**

While rooftop rainwater harvesting offers numerous benefits, it is essential to be aware of certain drawbacks associated with this system:

- **Regular maintenance required:** The system demands consistent maintenance to ensure optimal functionality. Regular checks and cleaning are necessary to prevent clogging and maintain water quality.
- **Limited storage capacity:** The storage capacity for harvested rainwater is finite, posing a limitation on the quantity that can be stored. In periods of heavy rainfall, there is a risk of overflow if the storage capacity is exceeded.
- **Expertise needed for installation:** Proper installation of rooftop rainwater harvesting systems requires expertise. Professionals with knowledge in water management systems should be engaged to ensure accurate setup.
- **Dependency on rainfall:** The effectiveness of the system is directly linked to rainfall. In regions with irregular or insufficient rainfall, the water supply from this method may be limited, impacting its reliability.

#### **Rooftop rainwater harvesting: Maintenance**

To ensure the consistent functionality of your rooftop rainwater harvesting system, follow these steps for regular maintenance:

- **Clear debris from pipes:** Regularly clean any accumulated debris from pipes to maintain unobstructed waterflow.
- **Inspect pipes for blockages:** Conduct periodic inspections of pipes to identify and address any blockages that may hinder water movement.
- **Check for water leaks:** Inspect the entire system for potential water leaks, addressing any issues promptly to prevent wastage.
- **Clean the filter for efficient water flow:** Clean the filter at appropriate intervals to ensure efficient water filtration and prevent clogging.
- **Inspect storage tanks for cracks:** Regularly examine the storage tanks for cracks or damage, repairing any issues to prevent water loss.
- **Monitor water quality regularly:** Keep a consistent check on the quality of harvested water, ensuring it meets the desired standards for various applications.



## CURRENT MARKET Rates

The Retail market rates given in this magazine are for materials of reputed brands or ISI quality, collected from reliable and standard shops of Lucknow. Some items are quoted net including all taxes, and some subject to GST, as may be applicable. Rates are likely to differ slightly from city to city due to the difference in local taxes, octroi and freight cost. We have taken due care to publish the correct retail market rates. In case of mistake in

any particular items, kindly point it out to us so that it may be checked and corrected in the next issue. To get your self/your firm added in the Current Market, contact in at Ph.: 0522-4062247, E-mail: buildersfriend1@gmail.com

### MASONRY ITEMS

Bricks (1 <sup>st</sup> Sidha)	8000.00 to 9000.00	per 1000 Pcs
Baloo	45.00	per qb.ft.
Maurang	80.00	"
<b>Stone Chips</b>		
25 mm	7000.00	per 100 qb.ft.
20 mm	6200.00	"
8 mm	6000.00	"
Stone Ballast	75.00	per qb.ft.
Stone Lime for white washing (Katni)	1000.00 to 4000.00	per qtl.
<i>GST Extra</i>		

### CEMENT

Cement	370.00 to 470.00	per bag
<b>White Cement</b>		
J.K.	960.00	"
Birla	955.00	"
<i>With GST</i>		

### IRON STEEL

	6 mm	8 mm	10 mm	12to25 mm	per qtl.
Iron Rods	6000.00	6500.00	6200.00	6150.00	"
TMT Bars	-	6300.00	6100.00	6100.00	"
Iron Angles	50x50x6 mm		6200.00		Per qtl.
	35x35x5 mm		6400.00		"
	35x35x4 mm		6500.00		"
Channels	75x40 mm		6400.00		"
	100x50 mm		6600.00		"
	125x65 mm		6700.00		"
	150x75 mm		6800.00		"
Beam	150x80 mm		7000.00		"
	200x100 mm		7200.00		"
	250x125 mm		7200.00		"
Flat Iron	25x6 mm		6400.00		"
	40x6 mm		6100.00		"
Plates	3,4,5,6 mm		7600.00		"
	8,10 mm		7700.00		"
	12, 16, 20, 25 mm		7700.00		"
Barbed wire G. I.	12x12 100 kg		8200.00		"
	14x14 100 kg		8500.00		"
G.I. Wire Galvd.	8 Gauge 100 kg		8000.00		"
	10 Gauge 100 kg		8000.00		"
	16 Gauge 100 kg		9300.00		"
Galvd. Corr. Sheet (3mtr x800mm)					
	0.63 mm thick (TATA)	1450.00			Each
Galvd. Plain Iron Sheet (2.5 mtr x 800 mm)					
	0.63 mm thick	1130.00			"
Black Plain Iron Sheet (2.5mtr x900 mm)					
	0.63 mm thick	810.00			"
	0.80 mm thick	1180.00			"
	1.00 mm thick	1250.00			"
Tata S. Binding Wire	3350.00 per Roll	10600.00			Per qtl.
Local Binding Wire		7800.00			"
<i>GST Included</i>					



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15 L	164.00	160.00		98.00		
15 M	183.00	179.00		116.00		
15 H	213.00	207.00		136.00		
32 L	247.00	245.00	257.00	176.00		
32 M	322.00	314.00	323.00	212.00		
32 H	406.00	396.00		262.00		
65 L	595.00	595.00		402.00		
65 M	651.00	651.00		442.00		
65 H	826.00	807.00		546.00		
100 L	1075.00	1051.00		696.00		
100 M	1252.00	1217.00		839.00		
100 H	1469.00	1469.00		1001.00		
GST Inclusive			Rate Per Meter			
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Angle Iron Trusses		62000.00 to 69000.00			per mt.	
Tubular Trusses		68000.00 to 79000.00			“	
Rolling Shutter (20 G)			2700.00	per sq.mt.		
Rolling Grill Shutters			2900.00	“		
Collapsible Gates			3100.00	“		
Steel Windows		1350.00 to	2500.00	“		
Steel Grills			75.00	per. kg.		
GST Extra						
WIRE NETTING FOR DOORS & WINDOWS						
GI Mosquito Proof Jali			9.00 per sq.ft.			
Fiber Mesh Mosquito Proof			7.00		“	
Chicken Wire Mesh						
( 3'x100' roll) ½”x28 Gauge			600.00	Per roll		
22 & 20 Gauge 6Kg per Roll & above			110.00	Per kg.		
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		14x28 14x27 14x24				
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		202 to 308		Per Kg..		
Wiremesh SS 304 Grade				450.00	Per kg	
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GST Included						
WELDED WIRE MESH						
30x30mm			75x25mm per sq.mt.			
4 mm		-		680.00	“	
3 mm		400.00		280.00	“	
2.25 mm		250.00		225.00	“	
Welded Mesh Galvd Steel (All Size)			110.00	per kg.		
Welded Mesh	Stainless Steel	350.00		“		
Welded Mesh	M.S.	74.00		“		
Expanded Metal		80.00		“		
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	100 ml	250 ml	500ml	1 Ltr.	5 Ltr.	20 Ltr.
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(Length - 6m)	715.00	1050.00			"
DIPLAST Conduit Pipe	20mm	25mm	32mm	40mm	50mm
For Electricity (per length)	57.00	85.00	123.00	185.00	260.00
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Door Junction	370.00	530.00	740.00	1800.00	
GST Extra					
Pipe Inner Dia in mm	NP-2 Rate/mtr	Collar per pc	NP-3 Rate/mtr	Collar per pc	
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300	450.00	132.00	750.00	142.00	
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450	650.00	180.00	1230.00	215.00	
500	800.00	270.00	1350.00	265.00	
600	1070.00	350.00	1700.00	375.00	
700	1120.00	400.00	2150.00	400.00	
800	1440.00	450.00	2750.00	470.00	
900	1820.00	520.00	3500.00	580.00	
1000	2400.00	650.00	3800.00	800.00	
1100	2680.00	780.00	4400.00	1000.00	
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WATER PROOF CHEMICALS					
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Doncrete 107	460.00	"	Don Grout 60	90.00	"
Doncrete 106	250.00	"	Super Seal 20	600.00	"
Don Grout Add	800.00	"	Doncrete N(Plasticizer)	95.00	"
GST Extra			Doncrete 1	75.00	Per ltr.
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Nitobond EP	1200.00	4000.00	-	-	
Nitobond AR Std	-	-	-	5500.00	
Nitobond SBR Latex	450.00	-	1600.00	5600.00	
Conplast WL	180.00	-	700.00	2000.00	
Concure WB White	-	-	-	3000.00	
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G. I. PIPES & FITTINGS						
SIZE (MM)	GI 'A' CLASS PER MTR		GI 'B' CLASS PER MTR		GI 'C' CLASS PER MTR	
	SS	P/E	SS	P/E	SS	P/E
015 MM	105.40	103.30	131.10	128.50	143.20	140.30
020 MM	145.30	142.40	165.70	162.40	183.70	180.00
025 MM	196.80	192.90	234.10	229.50	260.00	254.90
032 MM	247.90	243.00	294.20	288.30	333.20	326.60
040 MM	308.60	299.30	344.70	334.40	397.40	385.50
050 MM	377.20	365.90	451.40	437.90	537.70	521.60
065 MM	505.00	490.00	570.00	553.00	688.00	667.00
080 MM	618.00	599.00	733.00	711.00	849.00	824.00
100 MM	861.00	835.00	1060.00	1029.00	1219.00	1182.00
125 MM			1399.00	13582.00	1518.00	1472.00
150 MM			1666.00	1616.00	1807.00	1753.00
200 TO 300MM G.I. Plain End/BE				88936.00	Per Ton	
BRASS BIB COCKS & G.M. VALVES						
NMV/G.M. BRAND			15 mm	20 mm	25 mm	32 mm
NMV G.M. Gate Valve			633.00	851.00	1263.00	1810.00
NMV G.M. Wheel Value			566.00	894.00	1220.00	1890.00
NMV G.M. Horizontal Check			477.00	772.00	1042.00	1813.00
NMV G.M. Vertical Check			375.00	509.00	760.00	1157.00
NMV Ball Valve			491.00	719.00	1056.00	1947.00
200 gm					250 gm	400 gm
Brass Bib Cock				110.00	150.00	195.00
Brass Stop Cock				110.00	150.00	195.00
Brass Ferrules 15x1/4" to 15x1/2"					180.00	Each
(GST Extra)			Discount 20% to 30%			
PIPE FITTINGS ISI MARKED						
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Elbow		27.80	43.00	71.80	109.80	
Tee		44.30	66.70	99.60	141.80	
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Union		77.80	113.00	164.90	249.30	
GST Extra		Discount 20% to 30%				
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Bib Cock Long Body		842.00	643.00	658.00	544.00	
Stop Cock		690.00	563.00			
Concealed Stop Cock		968.00	679.00	778.00	653.00	729.00
Extension piece 65 mm		-	119.00	182.00	-	-
Copper Pipe & 2 Nuts						
Copper Pipe & 2 Nuts 15"			194.00			
Copper Pipe & 2 Nuts 18"			210.00			
Waste Couplings 32 mm		306.00		198.00		
Waste Couplings 40 min		348.00		281.00		
Angle Valves		689.00	514.00	549.00	397.00	529.00
Bottle Trap Casted Brass		1277.00	739.00		799.00	847.00
Single Hole Basin mixer		2789.00	2384.00	2693.00	1779.00	
Sink Cock		1536.00	1312.00	1256.00	1237.00	1307.00
Sink Mixer		2546.00	2470.00	2409.00	2216.00	2477.00
Wall Mixer Plain		2546.00		2274.00	1779.00	
Wall Mixer with Crutch		3227.00	3622.00	3403.00	2730.00	
Bidet Fitting-4 Hole mixer		4336.00		5667.00		
Waste Jali 32 Mm			260.00	(Less Discount		
Waste Jali 40 Mm			260.00	available)		
Bath Tub Waste With						
Over Flow Piug & Chain		914.00		1007.00		
Tel. ph. Shower With Hook		648.00		759.00		
Bath Shower		375.00		622.00		
Towel Rails 3/4 Dia C.P						
450mm		162.00				
600mm		216.00				
Waste Coupling		54.00				
Brass Union Coupling		92.00				
C.P. Extension Piece		75mm		150mm		50mm
		33.00		195.00		81.00
PVC Connector		300mm				
With two C.P. Brass Nuts		27.00				
Spectrum: Approved in MES / UPAVP / NTPC						
GST Extra						



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32, Gautam Budh Marg, Lucknow-226018



SANITARY WARES			
<b>Nelco &amp; Neo</b>	<b>450 mm</b>	<b>510mm</b>	<b>580 mm</b>
Asian Pan	-	316.00	-
Orisa Pan	-	300.00	386.00
P/Trap	P - 240.00		
Commode	P - 539.00	S-539.00	
Anglo Indian	P - 1072.00	S-1072.00	
Low Level (Cistem)	726.00		
<b>Kitchen Sink Vitereous China Fireclay</b>			
18X12x6	20X16x6	24X18x8	24X18x10
1144.00	1719.00	2570.00	2860.00
<b>Hindustan Coloured wares(UP)</b>			
Toilet Seat Cover for Commode	50%	100%	150%
Commander's ISI	Black	White	Coloured
Champion	494.00	728.00	750.00
Agarwale /Kaypee /Spids	299.00	375.00	450.00
Patel make	175.00	190.00	215.00
	220.00	270.00	350.00
<b>Flushing Cistern Plastic High Level /Low Level</b>			
Spids ISI	650.00	to	780.00
Diplast/Agarwal /Unique /HSI	625.00	to	740.00
<b>Hindware</b>			
Orissa Pan 500 mm(Popular)	White	Pastel	
Orissa Pan 530 mm	1580.00	2450.00	
Orissa Pan 580 mm	1610.00	2500.00	
EWC S/P Papular	2150.00	3340.00	
EWC S/P Slick	2110.00	3280.00	
Anglo Indian S/P	2220.00	3450.00	
LLC 10 Liter with fitting	4950.00	7680.00	
LLC Dual Flush	4100.00	5830.00	
PVC Cistern Slick Plus	5040.00	6990.00	
PVC Cistern Sleek Dual Flush	1370.00	1580.00	
Wall urinal FB 46X35	1460.00	1670.00	
Wash Basin 46X36 Windsor	1340.00	2080.00	
Wash Basin 51X40 Cleo	1160.00	1800.00	
Wash Basin 55X40 Delta	1170.00	1820.00	
Wash Basin 55X40 Viking	1350.00	2100.00	
Pedestal Tall	1650.00	2560.00	
EWC Coupled Clost Alpha	2110.00	3280.00	
EWC Set Cleo	7070.00	10970.00	
EWC Set Constellation	9930.00	15400.00	
L Sink	11490.00	17810.00	
L Sink 45x30x15mm	2640.00	4100.00	
L Sink 53x43x18mm	4470.00	6930.00	
K Sink	61x45x20mm	6580.00	10200.00
<b>Product Name CERA Sanitaryware</b>			
	<b>Size</b>	<b>MRP</b>	
CEREMONY One Piece EWC	220 mm	14990.00	
CATTLER One Piece EWC	220 mm	12990.00	
CETA One Piece EWC	220 mm	16990.00	
CAPSTAN MINI One Piece EWC	225 mm	12990.00	
CARNIVAL Rimless Wall Hung EWC	P Trap	10490.00	
CORDO Wall Hung EWC	P Trap	8150.00	
CRUSE Wall Hung EWC	P Trap	8490.00	
CAMELIA Concealed EWC	S Trap	4250.00	
CONGO Cistern		1490.00	
COMPASS Cistern		1950.00	
CAKLE Pedestrial Wash Basin	575 x 460 x 180 mm	4880.00	
COLLAGE Pedestrial Wash Basin	515 x 430 x 110 mm	3650.00	
CANA Full Pedestrial Wash Basin	550 x 400 x 210 mm	3900.00	
CHEVRON Concealed Cistern	500 x 90 x 460 mm	5400.00	
CALBURT MINI Wash Basin	340 x 300 x 120 mm	3590.00	
CAFÉ Wash Basins	600 x 400 x 160 mm	7300.00	
OVAL Counter Wash Basins	560 x400 x 205 mm	3190.00	
CALIFORNIA Wall Hung Wash Basin	450 x 320 x 130 mm	3040.00	
CHIME Wash Basin	460 x 350 x 180 mm	2040.00	
CAPRIANA Urinal	375 x 390 x 590 mm	5990.00	
ORRISA PAN-Covyana	580 x 440 mm	2080.00	
GARNET Wall Mixer		4960.00	
VICTOR Wall Mixer		5090.00	
RUBY Wall Mixer		7695.00	
DORA Lite Kitchen Sink	510 x 430 mm	4770.00	
<b>WALL TILES</b>			
<b>SOMANY</b>	<b>Size</b>	<b>Rate</b>	<b>Qty.</b>
White Tiles	8x8	540.00	25 pc.
Plain Colour Tiles	8x8	680.00	"
Special Pastel Colour	8x8	700.00	"
Special Colour	8x8	705.00	"
White	8x12	375.00	15 pc.
Plain Colour	8x12	500.00	"
Special Colour	8x12	580.00	"
Printed	8x12	480.00	"

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- Supreme Pipes
- Roff Tiling Solutions
- Sintex Water Tanks

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ARK TERRA / PLUTUS / OTHER RANGE				
		Rate	Per Pc	
Pillar Tap, Imperial FF 15mm (½")		1103.00	"	
Bib Tap, Vintage Short Body 15mm (½")		999.00	"	
Bib / Sink Tap Swivel with HU Spout Ø 25mm		2169.00	"	
Angle Stop Valve, Two way 15mm (½")		1346.00	"	
Concealed Stop Valve, F/A 15-50mm, 20mm (¾")		1112.00	"	
Basin One Hole Mixer with HU Spout Ø 25mm		3776.00	"	
Wall Mixer 2 in 1, Imperial, FF Concealed Legs 15mm (½")		5274.00	"	
S/L Concealed Divertor One Outlet		2988.00	"	
S/L Concealed High Flow Divertor		5720.00	"	
Single Lever Concealed Divertor		6341.00	"	
Bath Spout Tip-Ton L-125mm, 15mm (½")		1827.00	"	
Bib Tap, Vintage, Short Body, 15mm (½")		734.00	"	
Bib / Sink Tap Swivel, Vintage		1314.00	"	
Concealed Stop Valve, F/A 25-50mm, 20mm (¾")		1058.00	"	
Angle Stop Valve, 15mm (½")		531.00	"	
Overhead Shower, ABS,"Erica", Single Function, Rain		356.00	"	
Overhead Shower, ABS,"Bergenia", Five Functions,		1674.00	"	
Hand Shower, ABS, "Jacob", Single Function, Rain		738.00	"	
Shower Arm "Mini", L95mm, 15mm (½")		495.00	"	
Fixed Wall Bracket "Classic", Brass, 15mm(½")		491.00	"	
Bottle Trap, 32mm (1 ¼") with Pipe 75 x 175mm (3"x7")		1751.00	"	
Towel Rail, 610mm (24")		1229.00	"	
Bib Tap, Elbow Action, Cadet, 15mm (½")		1373.00	"	
Auto Close Bib Tap, Instant Closing, 15mm (½")		1355.00	"	
Four Hole Bidet Mixer with Pop-Up Waste Coupling & Shower		10256.00	"	
LOCAL GLAZED TILES				
White/Colour 300x200 250.00 ,, 400.00		15 ,,		
RIGID PVC WATER SUPPLY SYSTEM				
Rigid PVC Plumbing Conforming to ASTM-D1785				
Outer Diameter	Inches	Wall Thickness	Price (3 Mtr.)	
20 mm	¾"	1.4 mm	120.00	
32 mm	1"	1.6 mm	170.00	
42 mm	1¼"	1.8 mm	230.00	
49 mm	1 ½"	2.0 mm	300.00	
63 mm	2"	2.2 mm	430.00	
ISI CAST IRON SOIL PIPES & FITTINGS				
	50 mm	75 mm	100 mm	150 mm
Plain 'Y' Junction	470.00	595.00	780.00	1900.00
Door 'Y' Junction	535.00	670.00	900.00	2090.00
P. Trap Plain	520.00	590.00	690.00	1565.00
Shoe	-	355.00	420.00	1040.00
Loose Collar	175.00	210.00	255.00	550.00
Cowel	220.00	285.00	355.00	1230.00
Gully Trap 4"x 4", 6" x 4"	-	865.00	1050.00	-
Door Piece	320.00	440.00	610.00	1880.00
Manhole Cover			66.00	per kg.
Grating			79.00	
PIG Lead			188.00	"
High Level Cistern ISI 10 Ltr.			2871.00	per pc.
CHAIN LINK GALVANIZED				
50 x 50 x 3 mm			240.00	per sq.mtr.
50 x 50 x 4 mm			360.00	per sq.mtr.
75 x 75 x 3 mm			180.00	" "
75 x 75 x 4 mm			320.00	per kg.
Stainless Steel Chain Link			400.00	
CAST IRON SPUN PIPES & VALVES				
	Size	Price	Meter	Size Price/Meter
Cast Iron Pipes - ISS:1536 Class LA (ISI)				
80 mm		1150.00		
150 mm		2200.00	100 mm	1500.00
250 mm		3800.00	200 mm	2850.00
			300 mm	4600.00
Cast Iron Double Flanged Pipes - ISS:7181 Class B				
80 mm		1578.00	200 mm	4683.00
100 mm		2010.00	250 mm	6343.00
150 mm		3228.00	300 mm	8197.00
C.I. Sluice Valves - ISS:780 & ISS:2906 Class I 'MEC' make ISI				
80 mm		3286.00	200 mm	12500.00
100 mm		4382.00	250 mm	14500.00
125 mm		5477.00	300 mm	18135.00
150 mm		8300.00		
C.I. Specials - ISS:1538 & 5531				
80 mm - 300 mm				60.00 per kg.



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Greenply, Archid, Luxe, Duro, Sylvan, Woodstock, Wigwam

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Hafele, Hettich, Godrej, Pans, Dorset, Kich, Collins, Becker, Quba, Bush, Glitorium

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**MDF/HDMR**  
Greenpanel, Action Tesa

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**ACCESSORIES**  
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PLYWOOD, WPC & LAMINATES							
<b>Plywood</b>	4 mm	6 mm	8 mm	12 mm	19 mm		
MR=Sainik/ Ecotec/Silvi/Internet	35.00	50.00	55.00	70.00	113.00		
BWP=Century/Green/Archid/Duro	48.00	58.00	72.50	90.00	132.00		
AMUL PLY (BWP)	40.00	50.00	65.00	75.00	125.00		
<b>SWAN PLYWOOD (ISI Marked)</b>							
MR	18.50	30.00	35.00	44.00	68.00		
BWR	30.00	38.00	47.00	55.00	85.00		
<b>BLOCK BOARD</b>		<b>WATER PROOF</b>		<b>MR</b>			
	<b>19 mm</b>	<b>25 mm</b>		<b>19 mm</b>			
Century/Green/Duro	120.00	160.00		100.00		per. Sq.ft	
Silvi/ Ecotec/Sainik	95.00	115.00		80.00		per. Sq.ft	
Amul	110.00					per. Sq.ft	
Swan (MR) B/B	-	-		65.00		per. Sq.ft	
<b>Shuttering Plywood (12 mm thick)</b>							
Duro/Greenply/Century (ISI-4990)				825.00		per. Sq.m	
Filmface PlyWood (Internet/Archid) 30 kg				592.00		per. Sq.m	
	<b>6mm</b>	<b>8mm</b>	<b>12mm</b>	<b>18mm</b>	<b>25mm</b>		
AMULYA PREMIUM (WPC)	65.50	80.27	120.40	167.07	231.47		
AMULYA ELITE (WPC)	73.73	94.27	140.00	196.00	271.60		
<b>Bison Panal (Cement Wood Partical Board)</b>							
	6mm	8mm	10mm	12mm	6mm	20mm	
	30.00	40.00	50.00	60.00	80.00	100.00	
<b>Mica Sheet(Size 8' X 4') Rates per sheet</b>							
Amulya/Green Touch			0.8 mm	775.00			
Virgo/Deco-Lux/			0.8 mm	775.00			
Asis/VIR/Stylem,(SF)			1.0 mm	1200.00			
Century/Royal Touch/ Greenlam/Archid (SF)			1.0 mm	1250.00			
Amulya/Heriage/Virgo/SunMica (SF/SD)			1.0 mm	1200.00			
Falce Cealing			<b>12.5 mm</b>	<b>9.5 mm</b>			
Gypboard			180.00	154.00		sq.mtr	
Gyp Tile Plain (0.595 X 0.595 X 12.5 mm)				65.00		each	
<b>Decorative Sheet</b>							
Acrelic Solid Surface		06 mm Bandable		550		each	
LG/REHAN/CORIAN		12 mm Bandable		800		each	
<b>Wood Adhesive I Termite Protector</b>		<b>1 kg</b>	<b>2 kg</b>	<b>5 kg</b>	<b>10 kg</b>		
Fevicol SH		205.00	395.00	945.00	1810.00		
Fevicol Marine		235.00	455.00	1095.00	2105.00		
Jivan Jor		195.00	380.00	895.00	1706.00		
Wood Saver (Terminator)		255.00	-	1200.00	2290.00		
GST Extra							
HARDWARE							
<b>Iron Hinges</b>	Per doz.	2"	2.5"	3"	4"	5"	6"
Gare/Elite (ISI)	"	108.00	132.00	155.00	185.00	260.00	285.00
<b>Iron Wood Screws (Full Gage)</b>			<b>12mm</b>	<b>15mm</b>	<b>20mm</b>	<b>25mm</b>	
Per 200 Nos			68.00	88.00	68.00	58.00	
			<b>30mm</b>	<b>35mm</b>	<b>45mm</b>	<b>50mm</b>	
Per 100 Nos			38.00	44.00	63.00	58.00	
<b>Tower Bolts</b>							
Iron Oxydised			10 mm			58.00	per rft.
Iron C.P			9 mm			58.00	"
<b>Aluminium Tower Bolts</b>			<b>3"</b>	<b>4"</b>	<b>6"</b>	<b>8"</b>	
Jewel / 24 Karat	Per doz.		370.00	450.00	570.00	780.00	
Shivalik 10 mm	"		290.00	345.00	360.00	600.00	
GST Extra							
BEADING							
<b>Topper</b>	<b>Size (Inch)</b>		<b>1st</b>		<b>2nd</b>		
	½ x ½		4.25		3.00		Run fit
	½ x ¾		5.00		4.50		"
	¾ x ¾		6.00		4.75		"
	1 x ¾		7.50		6.50		"
	1½ x ¾		11.00		9.00		"
<b>Plain</b>	22 x 06		4.00		2.25		Run fit
	35 x 06		8.50		6.00		"
	22 x 10		7.00		5.00		"
	35 x 10		10.50		8.00		"
<b>Half Round</b>	½		4.25		2.25		Run fit
	¾		4.75		3.00		"
	1		6.75		4.50		"
	1½		8.50		5.50		"
	2		10.00		8.50		"
HYDRAULIC DOOR CLOSERS & FLOOR SPRINGS							
<b>Door Closer</b>	<b>Light</b>		<b>Heavy</b>				<b>Each</b>
Amar ISI	475.00		950.00				"
Sandhu ISI	345.00		-				
<b>Floor Springs</b>	<b>Light</b>		<b>Heavy</b>		<b>Sleek</b>		
Amar ISI	1030.00		1500.00		2850.00		Each
Sandhu ISI	945.00		1150.00		2940.00		"
Ebco	-		3400.00		-		GST 18%
FLUSH DOORS							
<b>ISI Marked (152202) (IS-2802)</b>							
	Century	Archid	Legend Falcon	Supreme	Rama		
30mm	2150.00	2100.00	1700.00	1500.00	1800.00		per.sq.mtr

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**PLY HOUSE**  
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<b>Laminates</b>	Stylam, Amulya, Greenlam, Aica, Century
<b>Veneers/Recons</b>	Century, Archid, Bhutan Taff, Real
<b>Kitchen Acc &amp; Chimneys</b>	Neff, Ebco, Sparkle Top / Elica, Hafele
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<b>Hardware/Lock</b>	Suzu, Ebco, Godrej, Link

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TIMBER				
Deodar Sleeper 3.05 x25 x13	8000.00	to	9100.00	Each
Chir Sleeper 3.05 x25 x13	1900.00	to	3600.00	"
Deodar (Rectangular)			84756.00	per cubic mtr
Kail Rectangular/ Sleeper			56504.00	"
Teak Wood Log (India)	23000.00	to	141260.00	"
Teak Silli (Nigeria)	44150.00	to	93000.00	"
Teak Wood Cut Size	37086.00	to	88288.00	"
C.P. Teak Wood Sleeper	88300.00	to	194232.00	"
Salwood (Cut Size)	38852.00	to	97116.00	"
Salwood Log	40618.00	to	105945.00	"
Sheesham	30022.00	to	65000.00	"
Mango			24000.00	"
Mirindi			51000.00	"
New Zealand Pine Sleeper			800.00	per cu.ft.
GST Extra				

#### PRAYAG BRAND S.S. KITCHEN SINK & PLATE RACK

<b>Single Bowl (ISI Mark)</b>	<b>16x18x7</b>	<b>17x20x8</b>	<b>18x22x8</b>
304 Super Steel	2725.00	3044.00	3168.00
	<b>24x18x18</b>	<b>24x18x10</b>	<b>24x20x8</b>
	3256.00	3610.00	3522.00
<b>Single Bowl With Drain Board (ISI Mark)</b>		<b>32x20x8</b>	<b>37x18x8</b>
304 Super Steel		4726.00	5434.00
		<b>41x20x8</b>	<b>24x20x8</b>
		5894.00	6160.00
<b>Double Bowl Sink (ISI Mark)</b>	<b>32x20x8</b>	<b>37x18x8</b>	<b>45x20x8</b>
	6531.00	6885.00	8354.00
<b>304 Super Steel S.S. Plate Racks</b>	<b>24x24x10</b>	<b>24x30x10</b>	<b>24x36x10</b>
	4230.00	4637.00	5380.00
	<b>31x30x10</b>	<b>31x36x10</b>	
	5584.00	6266.00	

#### CPVC PIPES

##### Available 385 mtr length (SCH 40)

Size in (Inch)	Normal Size (in mm)	Part No. 3 mtr.	Part No. 5 mtr.	Std. Pkg.	MRP/Mtr.
2½	65	C-9201	C-9211	05	947.00
3	80	C-9202	C-9212	05	1231.00
4	100	C-9203	C-9213	03	1750.00

##### Available 385 mtr length (SCH 80)

Size in (Inch)	Normal Size (in mm)	Part No. 3 mtr.	Part No. 5 mtr.	Std. Pkg.	MRP/Mtr.
2½	65	C-9301	C-9311	05	1293.00
3	80	C-9302	C-9312	05	1743.00
4	100	C-9303	C-9313	03	2587.00

##### Pipe (SDR II) 385 mtr. Length Class I

Size in (Inch)	Normal Size (in mm)	Part No. 3 mtr.	Part No. 5 mtr.	Std. Pkg.	MRP/Mtr.
½	15	C-9101	C-9111	50	78.00
¾	20	C-9102	C-9112	50	94.00
1	25	C-9103	C-9113	25	125.00
1¼	32	C-9104	C-9114	15	187.00
1½	40	C-9105	C-9115	10	256.00
2	50	C-9106	C-9116	10	418.00

#### WATER STORAGE TANKS

Five Layers Flow Jet	5/L	6.40	per ltr.
Tripple Layers Flow Jet	T/L	4.90	"
Sintex PVC Tank	D/L (ISI Marked)	6.80	"
Supercon	D/L	5.70	"
Supercon	T/L	6.90	"
Tuff	D/L	6.00	"
Reno	D/L	4.90	"
Tirupati	T/L	5.35	"
J.S. Polypast	D/L	5.75	"
J.S. Polypast	T/L (U.V. Stablized)	5.50	"
J.S. Polypast (ISI Marked)		6.50	"
<b>Loft Tank White PVC</b>		6.50	"
<i>Sintex/Supercon/J.S. Polyplast/Tirupati</i>			
<i>T/L Triple Layer, D/L Doble Layer</i>			
GST Extra			

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**Astral Limited**

(Formal Knows as  
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<b>Laxmi/Donex</b>	Shuttering Plywood

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<b>Gypsum</b>	Ceiling Board
<b>Century</b>	Ply Boards (I) Ltd.
<b>Century</b>	Decorative Laminates
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All extrusions of 2mm Rectangular 4.56 meters long				
<b>Anodised</b>	<b>Plain</b>	<b>S/S</b>	<b>D/S</b>	
63 x 38 mm	1700.00	1750.00	1925.00	Each
83 x 38 mm	2000.00	2300.00	2350.00	"
100 x 44 mm	2150.00	2600.00	2800.00	"
Door Sections				
83 x 44 mm x 4.56 mtr.			2350.00	"
44 x 44 mm x 4.56 mtr.			1750.00	"
Top Sections				
83 x 44 mm x 4.56 mtr.			2300.00	"
Glazing Clip		120.00	to 175.00	"
Plate 3.66 mtr.		180.00		"
Section Hollow Z	1050.00			
Aluminium Grill 6.5 mm				
4" Hole	Size 39", 48"x13 ft. long			
3" Hole	Size 24", 30", 36", 42", 48"x13 ft. long	60.00		"
<b>Aluminium Sections</b>				
Round	12 mm	60.00	90.00	120.00
	19 mm	170.00	315.00	400.00
	25 mm	-	300.00	350.00
Square	12 mm	-	145.00	165.00
	19 mm	-	210.00	270.00
	25 mm	-	265.00	360.00
Angle	12x18 mm	70.00	135.00	135.00
Unequal	12x25 mm	90.00	160.00	195.00
Channel	12 mm	85.00	130.00	195.00
	18 mm	100.00	130.00	225.00
	22 mm	105.00	195.00	265.00
D/Channel	25 mm	155.00	210.00	275.00
	30 mm	-	215.00	235.00
	50 mm	-	225.00	300.00
C/Channel for Curtain			70.00	110.00
G Channel for Sliding Door				
GST Included				

## KITCHEN SINK ACCESSORIES

<b>Dolin Project</b>		<b>Dolin Quadro</b>	
Pullout Basket	300 mm	770.00	2030.00
	450 mm	1000.00	2150.00
Single Partition Basket	450 mm	1450.00	2500.00
Cutlery Basket	450 mm	1570.00	2800.00
Plate Basket	450 mm	1341.00	2300.00
Cup Sawcer Basket	450 mm	1000.00	2100.00
Grain Trolley	450 mm	1420.00	4350.00
<b>Overall Sizes (")</b>		<b>Jayna</b>	
Single Sink with Bedding	18 x 16 x 7		3600.00
	24 x 18 x 8		5055.00
	27 x 20 x 8		6690.00
Single Sink with Drain Board	37 x 18 x 8		6130.00
	42 x 20 x 8		8635.00
	45 x 20 x 8		9260.00
Double Sink	37 x 18 x 7		9745.00
	42 x 20 x 7		13130.00
	45 x 20 x 8		13780.00
<b>SAPIL</b>			
Plain Basket	15 x 20 x 4		1135.00
Single Partition Basket	15 x 20 x 4		1290.00
Cutlery Basket	15 x 20 x 4		2050.00
Plate Basket	15 x 20 x 6		1565.00
Cup & Saucer	15 x 20 x 4		1265.00
Grain Trolley	15 x 20 x 12		1630.00
Bottle Pullout	5"		530.00
Large Utensil Basket	21 x 20 x 4		1485.00
Large utensil basket	21 x 20 x 6		1850.00
<b>iMAGINE SINK</b>			
	18x16x8	20x17x8	21x18x8
	3049.00	3099.00	3299.00
			3799.00
<b>Single Bowl</b>			
	32x20x8	37x18x8	41x20x8
	5199.00	5499.00	6199.00
			6499.00
<b>Double Bowl</b>			
	37x18x8	45x20x8	45x20x8
	6499.00	6799.00	10499.00
			12599.00

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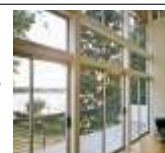
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- ♦ **SUNLITE/JETLITE** - Polycarbonate Multiwall & Compact Sheets
- ♦ **WACKER** - Silicon Sealants

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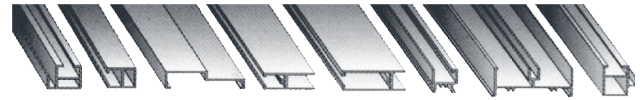
<b>Marble Makrana</b>		
(A) Dungri Cut Size	40.00 to 250.00	per sq.ft
(B) Dungri Slabs	80.00 to 500.00	“
(C) Albata Cut Size	100.00 to 250.00	“
(D) Albata Slabs	160.00 to 700.00	“
<b>Marble Udaipur Green</b>		
(A) Cut Size	30.00 to 250.00	“
(B) Slabs	50.00 to 300.00	“
<b>Marble Raj Nagar</b>		
(A) Nijarna, Daulikhan Cut Size	30.00 to 200.00	“
Morwar, Dharmeta		
(B) Same As Above Slabs	40.00 to 300.00	“
<b>Marble Udaipur Green</b>		
(A) 2' x 2'	35.00 to 250.00	“
<b>Granite</b>		
(A) Black Medium Slabs	160.00 to 400.00	“
(B) Coloured Slabs	100.00 to 600.00	“
Dhau Khan Nazama	20.00 to 125.00	“
Udaipur Green	27.00 to 125.00	“
Polish Green	35.00 to 150.00	“
Pink	25.00 to 120.00	“
Cutani Marble Stone	40.00 to 200.00	“
Wonder Marble Slab	70.00 to 300.00	“
Kota Stone	17.00 to 100.00	“
White Marble	30.00 to 200.00	“
Sewar Marble	20.00 to 100.00	“
Aaspur Marble Slab	25.00 to 100.00	“
Andhi Marble	25.00 to 125.00	“
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Hopper Professional Series	124000.00	145500.00	158000.00
Concrete Mixer With			
Hydraulic Hopper Professional Series	116000.00	137500.00	150000.00
Mini Mobile Batching Machine	Single Bin	Three Bin Cg/Delco 5 Hp	
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Mini Mobile Batching Machine	Sand Screening	Suspended Rope Platform	
	Electric	Galvanised Spray Painted	
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Vibrator Shaft	14500.00	36500.00	12000.00
Surface Vibrator	15000.00	37000.00	12500.00
Universal Vibrator With 40 Mm 6mt			
Vibrator Shaft	19500.00	41500.00	17000.00
Earth Compactor	60500.00	41000.00	81000.00
Slab Trolley With 100 Feet Rail	200 Liters	400 Liters	Band
	39500.00	55000.00	4300.00
	Fix Assembly	Tower 3" Engine Wc12Hp	
0.2 Cubm Cap. 4 Pole Mobile Hoist			
Cum Mixer With-Out Hopper			
Working Height Upto 100 Feet	273000.00	14500.00	318000.00
0.2 Cubm Cap. 4 Pole Mobile Hoist			
Cum Mixer With Hyd Hopper			
Working Height Upto 100 Feet	322500.00	14,500.00	367500.00
0.2 Cubic Meter Capacity Builders			
Hoist Working Height Upto 100 Feet	119000.00	14500.00	148500.00

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COB Spot Plus	-	-	1285.00	-	"
Deep Recessed COB+	-	-	1360.00	-	"
	12w	15w	18w	22w	
Ultralim Plus Panel	1120.00	1435.00	1800.00	2260.00	"
Aura LED Downlighter	-	1850.00	-	-	"
COB Spot Plus	1685.00	-	2400.00	2700.00	"
Deep Recessed COB+	-	1360.00	1785.00	-	"
Cove Lighting (LED Strip)	2800.00 Per Roll (5Meters)				"
Slim Line NEXT LED Tube Light	20w	450.00	Per Pcs		

ELECTRICALS					
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	0.75 mm	1.0 mm	1.5 mm	2.5 mm	
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Wiring Cables Singhal	900.00	1100.00	1620.00	2580.00	
<b>Ceiling Fans</b>					
	Orient	Bajaj	Crompton	Usha	Each
56"	1500.00	1650.00	1550.00	1700.00	"
48"	1400.00	1550.00	1450.00	1600.00	"
42"	1450.00	1550.00	1500.00	1500.00	"
36"	1400.00	1500.00	1450.00	1400.00	"
<b>Air Conditioners</b>					
<b>Windows Type</b>					
	1.00 Ton.	1.5 Ton.	2.0 Ton.	Each	
Voltas	15973.00	18450.00	22650.00	"	
Samsung	16550.00	17700.00	24700.00	"	
Videocon	16450.00	17950.00	22250.00	"	
<b>Split Type</b>					
	1.00 Ton.	1.5 Ton.	2.0 Ton.	Each	
Voltas	-	26650.00	33750.00	"	
Samsung	25350.00	26200.00	34750.00	"	
Videocon	-	23750.00	30350.00	"	
<b>Electric Geysers</b>					
<b>Plastic Body</b>					
	Racold	Usha	Bajaj	Crompton	Each
15 Ltr.	9050.00	5000.00	7000.00	6000.00	"
25 Ltr.	10180.00	6000.00	8000.00	7000.00	"
35 Ltr.	11760.00	-	-	-	"
GST Extra					

ELECTRICAL SWITCHES					
Metal Boxes	½M	3M	6M	8M	12M
	55.00	77.00	125.00	163.00	201.00
Mounting Grid		1M	2 M	3M	4M
		40.00	45.00	50.00	65.00
Cover Frames Active White		1M	2 M	3M	4M
		35.00	37.00	45.00	55.00
Controllers					
Light 1M 250 W	250.00	For Regular 1M 100 W			300.00
Light 2M 600 W	340.00	For Regular 2M 100 W			400.00
Sockets	2/3 Pin socket with Shutter 6A			110.00	”
	2 Pin socket with Shutter 6A			85.00	”
	Universal Socket with shutter 16A			160.00	”
	3 Pin Socket with shutter 16A			160.00	”
Switches	1M 1 Way 10Ax240V AC Active			80.00	”
	1M 1 Way 16Ax240V AC Active			90.00	”
	1M 2 Way 10Ax240V AC Active			90.00	”
	1M 1 Way 16Ax240V AC Active			100.00	”






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MANUFACTURER, SUPPLIER & PROCESSOR



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**INTERIOR WORKS & PROJECTS**

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Twiga

Viva

SM

EVEREST Cement



SUBMERSIBLE PUMP					
Horse Power	Stage	Tormark	Arise	Floter	
0.75 h.p	7	9000.00	8000.00	9000.00	
1.00 h.p	10	1000.00	8500.00	10000.00	
1.50 h.p	12	12000.00	10500.00	18000.00	
2.00 h.p	10	13500.00	-	12500.00	
3.00 h.p	9	19000.00	-	15500.00	
WATER LIFTING PUMP					
Horse Power	Model	Brand			
0.5 HP	Sherk	Tullu		2900.00	
0.5 HP	Top	Tullu		3500.00	
0.5 HP	AC 110SP	Tullu		3600.00	
0.5 HP	HIE Super	Tullu		3700.00	
1.0 HP	AC150	Tullu		5500.00	
PRESSURE PUMP					
<b>Ujala</b>					
Jet 61	06 Ltr	0.6 HP	(3 Bathroom)	18000.00	
Jet 61	19 Ltr	0.6 HP	(3 Bathroom)	18500.00	
Jet 101	19 Ltr	1.0 HP	(5 Bathroom)	21500.00	
Mini Jetflow	06 Ltr	0.5 HP	(1 Bathroom)	11000.00	
SEWAGE PUMP					
Top Vector		0.5 HP		14886.00	
ZXM 1A/40		0.8 HP		27531.00	
SOLAR PRO SOLAR WATER HEATING SYSTEM					
<b>Domestic System</b>					
Capacity	Model	Tube/Size/Dia		Rate	
100 Ltr.	T-10 HP	Evacuated Tube		19320.00	
150 Ltr	T-15 HP	Evacuated Tube		28320.00	
200 Ltr	T-20 HP	Evacuated Tube		37320.00	
250 Ltr	T-25HP	Evacuated Tube		46320.00	
<b>Industrial System</b>					
400 Ltr	T-40 HPI	Evacuated Tube		64000.00	
600 Ltr	T-60 HPI	Evacuated Tube		96000.00	
1000 Ltr & Above	T-HP Ind	Evacuated Tub	150/- per Ltr		
<b>Flat Plate Collector Systems</b>					
100 Ltr.	T-100 FPC Flat Plate			24000.00	
200 Ltr.	T-200 FPC Flat Plate			40000.00	
Per Piece	Collector	Flat Plate		10400.00	
ZERO-B WATER PURIFIER & SOFTENER					
<b>Model</b>	<b>Capacity</b>	<b>Rate</b>			
Saphire	R.O. 09 LPH	21270.00			
Kitchen Mate	R.O. 07 LPH	22490.00			
ECO RO	R.O. 12 LPH	23600.00			
SKID	R.O. 25 LPH	35460.00			
<b>Water Softener (New Generation Water Softness)</b>					
<b>Model</b>	<b>Capacity</b>	<b>Rate</b>			
Auto Soft-3	3000 LPH	83840.00			
Auto Soft-6	6000 LPH	105340.00			
Auto SAND Filter		51000.00			
<b>Multigrade Filter (Sand Filter)</b>					
NGMF / 20	2000 LPH	26510.00			
NGMF / 30	3000 LPH	42650.00			
NGMF / 40	4000 LPH	50070.00			
GICO WATER PROOFING & CONSTRUCTIONS CHEMICALS					
	<b>1 Kg/Ltr.</b>	<b>5 Kg/Ltr</b>	<b>20 kg/Ltr</b>		
Tapecrete P 151	300.00	1250.00	3800.00		
CO Super	150.00	650.00	2000.00		
CO Crack Seal	260.00	-	-		
CO No. 1	75.00	250.00	900.00		
CO No. 2	90.00	400.00	1250.00		
CO No. 3	100.00	450.00	1450.00		
CO SIPEL	160.00	690.00	2500.00		
RIGID PVC COUDUIT PIPE FOR ELECTRIC WORK					
<b>Seiko ISI</b>	<b>20mm</b>	<b>25mm</b>	<b>32mm</b>	<b>40mm</b>	<b>50mm</b>
Medium	33.50	34.50	49.50	73.00	118.00 per mtr.
Heavy	31.00	41.50	59.00	85.50	133.00 "
<b>Stove Enamelled Conduit Pipes Bhawani make IS:9537</b>					
ISI Mark	90.00	110.00	160.00	270.00	370.00 "
<b>Hot Dip Galvanised Conduit Pipe</b>					
Bhawani make	140.00	175.00	270.00	430.00	500.00 "



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WALL, WINDOW & FLOOR COVERING			
Unitex Wall paper Sale	1000.00	Per Roll	
Gratex Wall paper	200.00 to 500.00	sq.mtr.	
IMPORTED WALL PAPER	400.00 to 8000.00	"	
Unitex Carpet	150.00 to 800.00	"	
<b>Armstrong Mineral Fiber</b>			
False-Ceiling System	550.00 to 2500.00	"	
Armstrong PVC Flooring	2.0 mm 475.00	"	
<b>VISTA Blinds &amp; Rods</b>			
Vista Shree View Venetian Blinds	25 mm 1965.00	sq.mtr.	
Vista Classic Venetian Blinds	25 mm 1450.00	"	
Vista Dust Guard Sheerview Blinds	25 mm 1965.00	"	
Vista Venetian Verticals Blinds	100 mm 1450.00	"	
Vista Ecoline Verticals Blinds	100 mm 892.00	"	
Vista Black Out Vertical Blindss	100 mm 2002.00	"	
Vista Micro Vertical Blinds	89 mm 2366.00	"	
VISTA Curtain Rods	Models I 110.00	Rft.	
	Models II 130.00	"	
Golden Ring & Finals	Models I 120.00	"	
	Models II 140.00	"	
Vista Laminated Flooring	800.00 to 1000.00	sq.mtr.	
Readymade Cornice	20.00 to 50.00	per Rft.	
AARCEE Wallpaper	19.00 to 259.00	sq.ft.	
AARCEE Star	19.00	"	
AARCEE Rainbow	29.00	"	
AARCEE Interior	39.00	"	
AARCEE Pyramid	59.00	"	
AARCEE Eternity	69.00	"	
AARCEE Freestyle	89.00	"	
AARCEE Kids	89.00	"	
AARCEE Shining	89.00	"	
AARCEE Mica	259.00	"	
VAT extra			
<b>Vista Original-Wooden Flooring</b>			
AC-4	145.00 to 227.00	"	
Magic Turf (Grass) Unitex	165.00 to 430.00	"	
GST Extra			

WALL PAPER		
Brand	Collection/Book Name	Rate / Roll
Excel	Metalica Sensation New	5,300.00
Living Walls / A.s - Germany	Just Brilliant New	3,900.00
Living Walls / A.s - Germany	Hermitage New	4,900.00
GNI - Korea	Damask New .	2,800.00
GNI - Korea	Avenue New	2,800.00
Granddeco - Belgium	Hidden Richness New	4,700.00
DID Korea	D&D - Vol - 13	3,200.00
Excel	Metallica II	5,300.00
Excel	Vidia	3,500.00
Wall Quest - USA	Kashmir	8,700.00
GNI - Korea	Blossom New	2,800.00
Living Walls / A.s - Germany	Chateau 4 New	3,600.00
Living Walls / A.s - Germany	Contezen 4 New	4,200.00
GNI - Korea	Andante New	2,800.00
Living Walls / A.s - Germany	Life	3,900.00
Living Walls / A.s - Germany	Wood'n Stone	4,700.00
Living Walls / A.s - Germany	Bohemian	5,100.00
Living Walls / A.s - Germany	Boys N Girls 4	3,100.00
Marburg - Germany	LA Veneziana 2	5,100.00
Living Walls / A.s - Germany	Best of A. S	3,900.00
Living Walls / A.s - Germany	Kaja	4,300.00
Excel	New Eurostyle	2,800.00
Excel	LE Reve	3,600.00
Excel	AlIce	4,500.00
Living Walls / A.s - Germany	MV PRO & Protect - II	3,000.00

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CEMENT TILES & PAVERS					
<b>Hydraulically Pressed Cement Tiles</b>					
<b>Chequered</b>	10 x 10	R-Col	Grey	W-Col	R-Col
	(Per tiles)	32.00	29.00	37.00	33.00
<b>Mosaic</b>					
<b>Grouting Compound any colour</b>					
<b>Interlocking Pavers (per Pc.)</b>					
12.00 to 18.00 per Kg					
<b>Thickness</b>	<b>Shape</b>	<b>80 mm</b>	<b>60 mm</b>	<b>40 mm</b>	
Grey	Dumble	29.00	24.00	19.00	
Coloured	Dumble	33.00	29.00	25.00	
Kerb Stones	400 x 250 x 125 mm		105.00	each	
Vibro Tiles Zigzag	Grey		35.00	"	
	Red		35.00	"	
FURNISHING MATERIAL					
Deck venetian blind	1072.00	to	1550.00	per sq.mtr.	
Deck wooden blind	2915.00	to	5335.00	"	
Deck timber chich blind	1560.00	to	1760.00	"	
Deck vertical blind	836.00	to	2200.00	"	
Deck rollar blind	1430.00	to	5500.00	"	
Max rollar blind	1210.00	to	2640.00	"	
Max vertical blind	660.00	to	880.00	"	
Max venetian blind	990.00	to	1760.00	"	
Max P.V.C rod	55.00	to	77.00	per rft.	
Max rod	77.00	to	165.00	"	
Max dropy rod	-	to	605.00	mtr.	
Max chanelles	-	to	297.00	"	
Wooden rod	-	to	660.00	"	
Unitex loop pile carpet	49.00	to	88.00	"	
Trend double ribbed carpet			272.00	"	
Trend flat carpet			152.00	"	
Marval rollar blind	154.00	to	265.00	sq.ft.	
Marval bamboo blinds			180.00	"	
Marval rod S.S	528.00	to	665.00	"	
Marval rod wood + SS			317.00	"	
Marval rod range	70.00	to	754.00	"	
Marval vertical blind	96.00	to	156.00	"	
Deck - WC vertical blind			310.00	"	
Deck - pantane roller blind			176.00	"	
<b>Type</b>					
Curtain cloth	100.00	to	440.00	per mtr.	
Shair Curtain cloth	140.00	to	440.00	"	
Sofa cloth	215.00	to	550.00	"	
Bed sheet	385.00	to	1650.00	per set	
Bed cover	385.00	to	5500.00	"	
Mattress	1650.00	to	11,000.00	per pc	
Blanket SB soft	1045.00	to	2090.00	"	
Blanket DB Soft	1650.00	to	4400.00	"	
Laminated Wooden Flooring	83.00	to	193.00	per sqft	
Solid Wooden Flooring	260.00	to	600.00	"	
Roman Blind	77.00	to	275.00	"	
Wooden Blind	3080.00	to	5500.00	"	
Drapery Rods	50.00	to	330.00	per rtf.	
MAC Vertical Blind	1218.00	to	6868.00	per sqmtr	
MAC Rollr Blind	1986.00	to	6868.00	"	
MAC Penels	1685.00	to	6015.00	"	
MAC Roman	3112.00	to	4994.00	"	
MAC Venetians Blind	1092.00	to	1967.00	"	
MAC Wooden Blind	4620.00	to	11861.00	"	
MAC Spring Blind			8116.00	"	
MAC Aptimus Blind	8740.00	to	9988.00	"	





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FLOORING				
Floor Master Laminate Flooring				
Range	Thickness Specs (Rs./Sq.ft.)			
Exotica	8.3 mm	AC-3		95.00
Chalet	8.3 mm	AC-4		135.00
Traffic Plus	8.0 mm	AC-		155.00
Berry Floor Laminate Flooring				
Loft	8.0 mm	AC-4		200.00
Loft	8.0 mm	AC-4. W/P		230.00
Cottage	8.0 mm	AC-4.S/P		225.00
Regency	8.0 mm	AC-4.S/P		
Business	8.0 mm	AC-6. W/P		275.00
Citadle	11.0 mm	AC-5		250.00
Armstrong Vinyl Flooring				
Range	Thickness	Make	Specs	(Rs./Sq.ft.)
Simpurity	2.0 mm	U.K.	PU Polish Free	125.00
Medintech	2.0 mm	U.K.	PVR Maintenance Free	175.00
S.D.	2.0 mm	U.K.	S.D.Range	250.00
E.S.D	2.0 mm	U.K.	Static Discharge	300.00
SPAN Solid Hard Wood Flooring				
Real Oak, Marbau, Walnut, Kampas & Maple etc.				
	15mm		545.00 sft to 650.00 sft	
	19mm		575.00 sft to 750.00 sft	
SPAN Solid Hard Wood Engineering Flooring				
Real oak, marbau, Walnut, Kampas & Maple etc.				
	10mm		345.00 sft to 450.00 sft	
	14mm		485.00 sft to 650.00 sft <i>GST Extra</i>	
BITUMEN & COALTAR BASE PRODUCTIONS				
Bitumen 85-25				55.00 per kg
Roofing Felt			1800.00	
(Krishna ISI)			2200.00	
Krishna Non ISI			1650.00	
Polymeric Felt	0.8 mm		1500.00	
	1.0 mm		1600.00	
	1.5 mm		1900.00	
	2.0 mm		1600.00	
Membrane	3.0 mm		1900.00	
Membrane	4.0 mm		2100.00	
Flashing tape	100 mm		1250.00	
Expansion joint filter boards size		(1.22 X 1.22 mtr.)		
	12 mm	18 mm	25 mm	
Krishna	450.00	600.00	700.00	Per sheet
		1Ltr.	20Ltr.	
Shalitex STP/Torchtar		-	2500.00	
Bitumen Primer			1800.00	
Krishna Bond (cold sticker)	65.00		900.00	
Creosote oil (Heavy/Light)	70.00			
Tar Plast Torchtar	200.00 (1kg.)	125.00	1700.00 (20 Kg.)	
Sealing Compound Grade ‘B’ STP/Torchtar		130.00	1800.00 (20 Kg.)	
<i>GST Extra</i>				
FIRE EXTINGUISHER				
Fire Extinguisher	1 Kg	2 Kg	4 Kg	6 Kg
(Life Gaurd ISI) ABC	1565.00	2000.00	2525.00	3625.00
Co2 ISI	2 Kg.		4.5 Kg	4375.00
	8250		10500.00	
DCP ISI BC Type	4 Kg.		6 Kg	9 Kg
	2475.00		3350.00	4125.00
Water Type Co, ISI			9 Liter	4175.00
Mechanical Foam (AFFF)			9 Liter	4250.00
Clean Agent ISI			2 Kg.	15500.00
First Aid Hose Drum - Empty				6500.00
Red Thermoplastic Hose - 30 Mtr. @120/- Mtr				3600.00
15 Mtr RRL Hose with SS Coupling				8500.00
Only RRL Hose Water Canvas				280.00
Landing Valve SS	63mm			10760.00
				Per mtr
				Per Pc
FIRE BRICKS & FIRE CLAY				
Fire Brick Std. 230 x 115 x 95			40.00	Each
Fire Brick S/A 230 x 115 x 75/63 mm MHD			40.00	“
Fire Brick Slim 230 x 115 x 38 mm MHD			32.00	“
Fire Clay 50 kg Bag MHD			350.00	“
Fire Cement ACC 50 kg Bag			1090.00	“
Fire Crete Super ACC 25 kg Bag (Castable)			1080.00	“
Acid Proof Tiles 150 x 150 x 20 mm			28.00	“
Acid Proof Mortar 15 kg Solution				“
with 50 kg Powder			3280.00	“
Iron Baroda			740.00	“
GST Extra				

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PAINTS & PAINTS ANCILLARIES					
Oil Bound Distemper	20 Kg	10 Kg	5 Kg	2 Kg	1 Kg
Tractor (Asian), Bison (Berger)	900.00	550.00	350.00	160.00	-
Maxilite (I.C.I.), Nerolac / No.1 (Shalimar), Jonsolin (J & N)	to	to	to	to	-
N.C.LAltek	1450.00	750.00	450.00	225.00	-
Oil Bound Pouch Packing					
Utsav (Asian), Jaddu (Berger), Farco (I.C.I.), Nerolac/Mela (Shalimar)	Pouch Pack	50.00	to 60.00		per ltr
White Primer	20 ltr.	10 ltr.	4 ltr.	1ltr.	500gm.
For Wood & Wall	1990.00	995.00	400.00	110.00	60.00
All Companies	to	to	to	to	to
	2650.00	1400.00	700.00	200.00	120.00
Redoxide Metal Primer	900.00	-	300.00	110.00	60.00
All Companies	to	to	to	to	to
	1900.00	-	480.00	180.00	100.00
<b>Exterior Emulsion Ist Quality</b>	<b>20 ltr.</b>	<b>10 ltr.</b>	<b>4 ltr.</b>	<b>1ltr.</b>	
Apex(Asian),AllGuardWeather Coat (Berger), Weather Shield (I.C.I.), Nerolac / Extra (Shalimar)	3450.00	1750.00	750.00	200.00	
	to	to	to	to	
	6000.00	3250.00	1400.00	325.00	
<b>Exterior Finish IInd Quality</b>					
Ace (Asian), Walmasta (Berger), Shaktimaan (Shalimar)	1950.00	1100.00	450.00	140.00	
	to	to	to	to	
	2600.00	1300.00	600.00	180.00	
Interior Emulsion	1850.00	1000.00	500.00	150.00	
Berger/Asian/Nerolac	to	to	to	to	
All Companies	7500.00	4150.00	1100.00	450.00	
<b>Synthetic Enamel</b>	<b>20 ltr.</b>	<b>4 ltr.</b>	<b>1 ltr.</b>	<b>500 ml</b>	
(All Companies)	3750.00	795.00	215.00	115.00	
	to	to	to	to	
	4600.00	950.00	255.00	155.00	
<b>Cement Paints</b>					
Snowcem	950.00	to 1250.00	25 Kg Bag		
Durocem (Berger)	950.00	to 1100.00	25 Kg PVC Bag		
<b>Local Material</b>					
Turpetine Oil	60.00	to 75.00	per Ltr. (Loose)		
	900.00	to 1000.00	Drum of 20 Ltr.		
Varnish	120.00	to 160.00	per Ltr. (Loose)		
	1800.00	to 2200.00	Drum of 20 Ltr.		
Plaster of Paris	140.00	to 250.00	Bag 20 Kg		
Whiting	280.00	to 400.00	Bag 20 Kg		
<b>Thinner</b>					
NC Thinner All Companies	120.00	to 175.00	hr.		
<b>Local Snowcem</b>					
Sivercem / Goldcem		325.00	20 kg Bag		
		375.00	25 Kg bag		
<b>Texture Paint</b>					
Super Fine (WR)		1000.00	25 Kg Bag		
Super Fine		1600.00	25 Kg Bag		
Rustic Furnish (DECO)		1000.00	25 kg bag		
NCL Putty		740.00	40 Kg Bag		
The exact rates of the product depends upon the Shade & Company you choose Asian Paints / Berger Paints / LC.I. Nerolac / Shalimar / J & N					
GST Extra					

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Thickness	1 mm	1.5 mm	2 mm	3 mm	sq.ft
Plain	32.00	55.00	68.00	105.00	"
		1 mm	1.5 mm	2 mm	sq.ft
G.I. Corrugated (Size 12")		35.00	55.00	68.00	r.mt.
A.C. Corrugated		370.00	500.00	600.00	Pcs
Printed Plain		1.25 mm		1.75 mm	sq.ft
		25.00		62.00	sq.ft.
Printed G.I. Corrugated		48.00		57.00	"
Max. Size 3.66 x 1.22 mtr. Available Special size can also be made as per order Rates will be increased in proportion to other thickness.GST Extra					

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Size(ʹʹ)	Rate		Size	Rate	
6 x 6	40.00	each	8 x 12	140.00	each
12 x 12	170.00	each	18 x 12	450.00	each
Size(ʹʹ)	Rate		Size	Rate	
6 x 6 (12 Tile set)	400.00		8 x 12 (6 Tile set)	750.00	
18 x 12 (2 Tile set)	700.00				
Kitchen Highlighter			12 x 18	450.00	each
POLYCARBONATE SHEET					
Multiwall Sheet			6mm	8mm	10mm
			50.00	-	70.00
Compact Clear/Bronze Sheet	1mm	2mm	3mm	4mm	
	48.00	85.00	140.00	220.00	ʹʹ
Embossed Clear/Bronze & Colour Sheet	1mm	2mm	3mm	4mm	
	50.00	85.00	140.00	180.00	ʹʹ
CEMENT ROOFING SHEETS & ACCESSORIES					
Upal/Ramco/Charminar/Visaka/Japee/Everest					
	2 m	2.5 m	3 m	3.60 m	
A.C Corru. Sheet 6mm	400.00	500.00	600.00	780.00	each
A.C Plain Sheet			4ft x 4ft	6ft x 4ft	
	4 mm thick		270.00	334.00	ʹʹ
	6 mm thick		384.00	545.00	ʹʹ
GLASSES WINDOW PANES & MIRRORS					
Name of Glass	3mm	3.5mm	4mm	5mm	6mm
Toughend			753.00	861.00	1023.00
Plain	210.00	245.00	280.00	350.00	420.00
Bazri	195.00	228.00		325.00	
Brown Gray			450.00	550.00	
Saint Gobin Laqured					
Glass (in diff. colour)			2150.00		4000.00
MIRROR			645.00	800.00	1000.00
ASAHI OPEL			357.00		510.00
Saint Gobin (in diff. colour) Ref.		580.00	700.00		
	8mm		10mm	12mm	19mm
Toughend	1184.00		1292.00	1400.00	6600.00
Plain	770.00		920.00	1100.00	3000.00
Bazri	1100.00		1200.00	1350.00	
HARDWARE OF OZONE (ARCHITECTURAL)					
Patch Set		15660.00			Per set
OPF-1		3060.00			Per pcs.
OPF-610		2600.00			ʹʹ
OPF-4		2810.00			ʹʹ
PVC DOOR					
Fixopan	PVC Door			850.00	sq.mtr.
Fixopan	PVC False- Ceiling			750.00	ʹʹ
Fixopan	PVC Wall Paneling			700.00	ʹʹ
Rajshree	Solid PVC Door/Plane Colour			2749.00	ʹʹ
Rajshree	Solid PVC Door Both Side Pahlam			3214.00	ʹʹ
Fixopan	PVC Frame			140.00	R. mtr.
Rajshree	Solid PVC Frame/Plane Colour			481.00	ʹʹ
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Ecowin u-PVC Window & Doors					
Fixed windows		300.00	to	350.00	per sq.ft.
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Casement window		475.00	to	525.00	ʹʹ
Sliding-Casement windows		550.00	to	650.00	ʹʹ
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Sliding Doors				550.00	ʹʹ
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Ajanta Series (with out Fly Mesh Shutter)		300.00	to	375.00	per sq.ft.
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## *Labour Rates of various Trades in important towns and cities of India and Nepal*

	NEPAL		UTTAT PRADESH						OTHERS STATES/CITIES								
	Kathmandu	Nepalganj	Kanpur	Allahabad	Varanasi	Agra	Lucknow	Meerut	Delhi	Dehradun	Chandigarh	Rajasthan	Hyderabad	Mumbai	Bhopal	Chennai	Kolkata
Mason	750	675	700	700	700	700	700	675	725	675	700	700	700	750	700	675	675
Mason Expert	800	700	750	750	750	725	750	800	725	725	725	725	750	800	725	725	725
Carpenter	800	700	725	725	725	600	600	600	625	600	625	600	725	775	725	725	725
Painter	600	575	575	600	625	600	600	600	600	600	600	750	600	700	600	600	600
Black Smith	650	600	600	850	750	750	750	500	500	500	550	500	600	700	600	600	600
Plumber	800	750	750	750	500	500	500	500	500	600	500	500	775	850	750	750	750
Expert Labourer	550	475	500	500	450	550	450	450	450	500	500	500	500	575	500	500	500
Coolies Male	500	500	500	500	500	500	500	500	500	500	500	500	500	600	500	500	500
Coolies Female	450	450	450	450	450	450	450	450	450	450	450	450	450	550	450	450	450

### **Monthly Wholesale Price Index**

Monthly wholesale Price Index of all commodities and sub group Fuel, Light, Power & Lubricant as intimated by the office of Economic Adviser, M/o Industry, Govt. of India and MES / BAI New Delhi are given below:

**Base Year 2011 - 12 = 100 (Final)**

Price Indices for following Months down loaded from Website of Ministry of Industry

**“www.eaindstry.nic.in”** are given below:

Office of the economic advisor, Ministry Of Commerce And Industry has started issue of price index for all **Fuel, Power, Light & Lubricant** monthly instead of weekly. The same for the month of **July 2023 to June 2024** is as under:

Month/Year	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE
2023-2024	145.3	149.6	153.1	153.1	154.1	154.2	154.8	154.9	152.1	154.8	150.6	147.7

Office of the economic advisor, Ministry of Commerce and Industry has started issue of price index for

**All Commodities** monthly instead of weekly. The same month of **February 2022 to January 2024** is as under:

Month/Year	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE
2023-20024	151.1	149.4	148.9	151.9	152.4	151.5	152.1	152.1	151.4	153	153.3	153.9



## **TRUCK FREIGHT RATES FOR VARIOUS COMMODITIES FROM DELHI TO VARIOUS STATES**



<b>ANDHRA PRADESH</b>		Ahmedabad	40000	Sirsa	16000	Kolhapur	70000	Khanna	17000	Allahabad	35000
Vishakhapatnam	70800	Surat	52000	<b>MADHYA PRADESH</b>		<b>KARNATKA</b>		<b>RAJASTHAN</b>		Hapur	6000
<b>ASSAM</b>		Badodara	42000	Bhopal	32000	Bangalore	90000	Jaipur	17000	Agra	17000
Guwahati	82000	Kandla	49000	Jabalpur	38000	Mysore	90000	Ajmer	19000	Haldwani	20000
Tinsukhia	111120	<b>HARYANA</b>		Bilaspur	50000	<b>PUNJAB</b>		Alwar	14000	Ghaziabad	5000
<b>BIHAR</b>		Panipat	12000	Raipur	51000	Amritsar	20000	Beawar	19000	<b>WEST BENGAL</b>	
Patna	45000	Kama	10500	<b>MAHARASHTRA</b>		Rajpura	16000	<b>UTTAR PRADESH</b>		Raniganj	57000
Ranchi	53000	Yamunanagar	12000	Mumbai	58000	Chandigarh	15500	Lucknow	29000	Kolkata	65000
Tata Nagar	56000	Kaithal	15000	Pune	60000	Jalandhar	17000	Kanpur	27000	Siliguri	60000
<b>GUJRAT</b>		Ambala	14000	Naqpur	45000	Bhatinda	17000	Varanasi	37000	<b>Per 9 Tonnes</b>	

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## NEW PRODUCTS

### QuantumFlush The Ultimate in Powerful, Splash-Free Toilet Technology



VitrA, a leading brand in bathroom solutions, is proud to announce the launch of QuantumFlush, a groundbreaking flushing technology that redefines cleanliness and efficiency in the bathroom. With its advanced features and innovative design, VitrA QuantumFlush ensures that every flush leaves your toilet spotless, quiet, and hygienic.

At the rear of the QuantumFlush is a strong momentum manifold with three outlets meticulously designed using the laminar flow principle. This engineering solution converts the turbulent flow of water in the manifold into laminar flow. This prevents energy loss by allowing the water to flow smoothly inside the toilet bowl. The energy of the water is maintained so that it reaches every point and cleans the bowl in the best possible way.

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

### Eco-Safe Single Core HFFR Industrial Cables

Finolex Cables introduces FinoGreen cables. They are eco-safe and halogen-free flame-retardant industrial cables that focus on safety and sustainability. Crafted from recyclable materials, these wires emit minimal smoke and contain zero halogen, enhancing their eco-friendly profile. Featuring specially formulated thermoplastic insulation (HFI-TP 70), wires offer low smoke and zero halogen emissions. They mitigate safety risks, reducing fire hazards by minimising smoke emissions and hydrochloric acid gas release. Designed for voltages up to 1100 V a.c., they are ideal for power and lighting systems in low-temperature applications.



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

### Antica Ceramica Redefines Luxury and Safety with the Unveiling of Its Latest Bathroom Tiles Collection



Antica Ceramica, renowned for its trailblazing innovations in the tiles industry, proudly introduces its latest collection of bathroom tiles. With a steadfast commitment to merging safety features with timeless elegance, the new collection exemplifies Antica Ceramica's dedication to design excellence and innovation. Crafted with meticulous attention to detail, each tile in the collection showcases the inherent beauty and character of tile, elevating any bathroom space with a touch of luxury. Sized generously at 600 x 1200 mm and with a thickness of 10 mm, these tiles offer versatility and ease of installation, catering to a diverse range of design preferences and spatial requirements.

[www.anticaceramica.in](http://www.anticaceramica.in)

### Astral Launches A Comprehensive New Paint Line Named Astral Paints



Astral Ltd. unveils Astral Paints, a comprehensive paint line catering to painters, designers, and homeowners. After acquiring Gem Paints in 2022, Astral ventured into the paint industry. With over 1400 colours, including specialty options like Kitchen Special Paint, Astral Paints offers versatility and oil-resistant properties. Its diverse selection of colours and finishes ensures every vision can be realised, making it a go-to choice for consumers in the paint industry.

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



## Free Space by Hafele



The fittings of the Free family give flaps new freedom in movement. This opens up more opportunities in the visual and technical design of furniture and has tangible benefits compared to hinged doors. But above all, it gives the furniture and the room undreamt elegance and lightness. With the new Free Space, Hafele offers an innovative stay flap fitting which, with its strong features and universal aesthetics, can be used in furniture across interior spaces. It immediately provides added value and more efficiency when working. Almost 100 years of experience with furniture fittings, engineering expertise, and a close connection to the market and the people who work with furniture fittings on a daily basis led to the development of Free Space.

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

## GRAFF India Presents the Mesmerizing Modern Heirloom Designs of the CAMEO Collection

GRAFF, the renowned global leader in luxury bath and kitchen fixtures, has taken the art of bathroom design to a new level with the introduction of their captivating CAMEO Collection. Inspired by the precise art of engraving precious stones and gems, this collection brings an exquisite blend of tradition and modernity to your bath space, combining intricate knurled designs with precious metal finishes to create an heirloom-worthy bathroom experience. The CAMEO Collection is poised to redefine luxury and sophistication in bathroom design, setting a new standard for modern heirlooms.

[www.graff-design.vom](http://www.graff-design.vom)



## Godrej Appliances Launches India's First Leak Proof Split Air Conditioner



Godrej Appliances, business unit of Godrej & Boyce, the flagship company of the Godrej Group, has launched India's first leak proof split Air Conditioner with Anti-Leak technology and has also filed a patent for it. True to its brand philosophy of 'Things Made Thoughtfully', this powerful industry- first, pioneering innovation promises to solve a host of problems being faced by AC consumers today. Water leaking from an air conditioner inside the home is a common problem faced by several AC users. An estimated 85% AC consumers suffer from this issue at least once in the product's lifetime and consequently, the issue ranks amongst AC's key concerns.

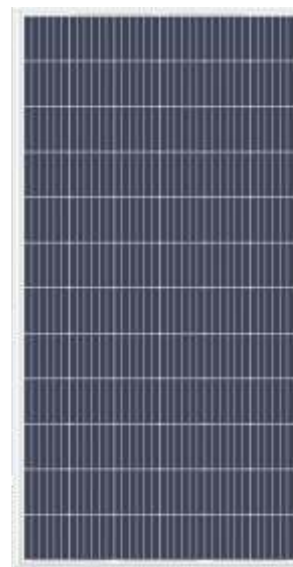
[www.godrejenterprises.com](http://www.godrejenterprises.com)

## Pahal Solar Launches 595 Wp Topcon Bifacial Solar Panel

Pahal Solar has launched bifacial glass-backsheet modules utilising n-type TOPCon technology. With front-side efficiencies ranging between 21.68 per cent and 23.03 per cent, the modules offer peak power outputs of 560-595 W. The rear side can generate up to 30 per cent additional power resulting in a maximum power output of 774 Wp for the 595 Wp panel. The open-circuit voltage ranges from 50.82 V to 52.01 V, and

the short-circuit current ranges from 13.92 A to 14.48 A. The maximum system voltage is set at 1,500 V. In addition, the modules incorporate 182 mm n-type TOPCon cells with 16 busbars. They come with a silver anodised aluminium alloy frame and an IP 68 junction box. The modules have dimensions of 2,278 x 1,134 x 40 mm and weigh 28.2 kg. They are suitable for operation within temperatures ranging from -40°C to 85°C.

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





## FORTHCOMING EVENT

**Aug**  
**23**

### MATECIA - Building Material Exhibition 2024

**Date** : 23<sup>th</sup> - 25<sup>th</sup> August, 2024  
**Venue** : IICC New Delhi, Choma

MATECIA Building Material Exhibition is a business exhibition in India that connects Exhibitors & Sponsors with Architects, Interior Retailers, Designers, Distributors, Agents, Builders, Government agencies, Project Consultants, Channel Partners and Dealers in the Building Material and Interior Products industry. It is from the 22-year-old reputed media house of SURFACES REPORTER, PLY REPORTER and FURNITURE DESIGN & TECHNOLOGY.

**Sep**  
**26**

### Intermat India 2024

**Date** : 26<sup>th</sup> - 28<sup>th</sup> September, 2024  
**Venue** : Bombay Convention & Exhibition Centre, Mumbai

"The Indian Trade show For Construction and Infrastructure"

Intermat is the international trade show for construction machinery and materials and among the top 3 construction show worldwide organized by Comexposium - the leading European Event Organisers. Comexposium has officially associated with Inter Ads - An Indian trade show organizer, to create a new INTERMAT India show which will provide the best access to the construction industry in the entire Indian region. India is one of the world's most dynamic and fast-growing regions companies and brands in a strategic location - Mumbai - Maharashtra, India.

**Nov**  
**14**

### Green Building Congress and Expo 2024

**Date** : 14<sup>th</sup> - 16<sup>th</sup> November, 2024  
**Venue** : BIEC Bengaluru International Exhibition Centre, Bengaluru

Green Building Congress is an annual event that brings together industry professionals and leaders to discuss the latest developments and advancements in sustainable building practices. The event includes educational sessions, networking opportunities, and an expo that showcases the latest products and services related to sustainable building practices. The goal of the conference is to inspire and educate attendees on how to create healthier, more sustainable, homes, interiors, and sustainable energy practices for a better future.

**Dec**  
**20**

### Lucknow Architecture Festival 2024

**Date** : 20<sup>th</sup> - 22<sup>nd</sup> December, 2024  
**Venue** : Ekana International Cricket Stadium, Lucknow

"India's First & Asia's Biggest Exhibition on HOME-BUILDING & HOME MAKEOVER products"

Lucknow Architecture Festival is a forum for empowering individuals working in terms of professional development, business development networking net- working, and leadership in our community. The event will provide a unique & effective platform for creating product awareness, brand promotion, product demonstration, on-spot purchases, etc. It will be a syndicated activity with face-to-face interaction from Architects, Builders & Promoters, Interior Designers, Civil & Structural Engineers, Contractors, Dealers & Distributors, Govt officials, Faculty & Students, End users, Prospective home buyers, General Public, etc.

**Aug**  
**23**

### Construction Architecture Interior Expo 2024

**Date** : 23<sup>rd</sup> - 25<sup>th</sup> August, 2024  
**Venue** : Hitech City, Hyderabad

**Aug**  
**23**

### MATECIA - BUILDING MATERIAL EXHIBITION 2024

**Date** : 23<sup>rd</sup> - 25<sup>th</sup> August, 2024  
**Venue** : Yashobhoomi, IICC New Delhi

**Aug**  
**30**

### Interio & Exterio Expo 2024

**Date** : 30<sup>th</sup> August - 01<sup>st</sup> September, 2024  
**Venue** : CODISSIA E Hall, Coimbatore

**Sep**  
**20**

### Earthcon Expo 2024

**Date** : 20<sup>th</sup> - 22<sup>nd</sup> September, 2024  
**Venue** : Hitex Exhibition Center, Hyderabad

**Oct**  
**16**

### World of Concrete India 2024

**Date** : 16<sup>th</sup> - 18<sup>nd</sup> October, 2024  
**Venue** : Bombay Exhibition Centre (BEC), Mumbai

**Oct**  
**23**

### Road InfraTech Expo 2024

**Date** : 23<sup>rd</sup> - 24<sup>th</sup> October 2024  
**Venue** : Pragati Maidan, New Delhi

**Nov**  
**15**

### North-East Build Expo 2024

**Date** : 15<sup>th</sup> - 17<sup>nd</sup> November, 2024  
**Venue** : Hitex Exhibition Center, Hyderabad

**Dec**  
**12**

### iDAC EXPO - HYDERABAD 2024

**Date** : 12<sup>th</sup> - 14<sup>th</sup> December, 2024  
**Venue** : Hitex Exhibition Center, Hyderabad



**PHILIPS**

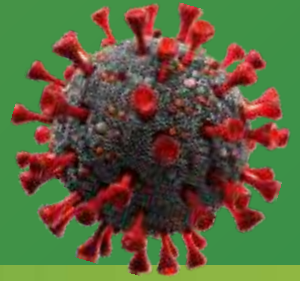
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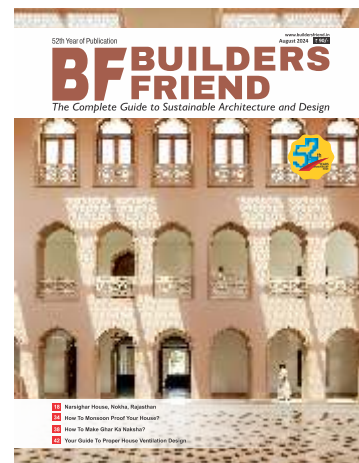
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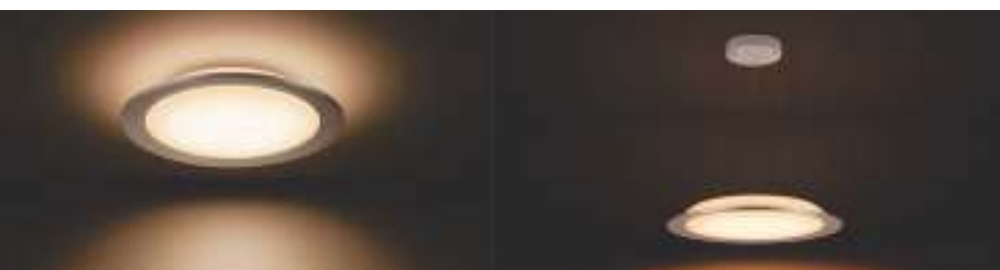
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