



SHELTECH

NEWSLETTER

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**SHELTECH 38TH
ANNIVERSARY
FAIR &
SERVICE
MONTH 2026**



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**DHAKA'S RISING
TEMPERATURE:
INSIDE THE URBAN
HEAT ISLAND (UHI)
EFFECT**

by TANVIR AHMED

DHAKA'S RISING TEMPERATURE: INSIDE THE URBAN HEAT ISLAND (UHI) EFFECT

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As May begins, heat waves are already tightening their grip on Dhaka. What once felt like a seasonal spike now stretches into prolonged, exhausting periods of heat. Dhaka is now considered as a global hotspot where warming is faster than the national average (The Daily Star, 2025). Between 1980 and 2023, temperatures in the city rose by 1.4°C, compared to 1.1°C across the country (Dhaka Tribune, 2025). In April 2024, Bangladesh faced a record 24 days of extreme heat, causing deaths and school closures (The Business Standard, 2024). This rise of extreme heat is driven by the Urban Heat Island effect, where urban growth replaces greenery with heat-absorbing surfaces, trapping heat and limiting natural cooling.

How the Urban Heat Island Works

According to US EPA (United States Environmental Protection Agency), the Urban Heat Island effect results from the absorption of heat by buildings, roads, and other infrastructure, which raises the



MR. TANVIR AHMED

temperature in metropolitan areas by 1 to 7 °F. In Dhaka, this effect is intensified by high building density, limited green space, and heavy air pollution. Congested urban form restricts airflow, while atmospheric pressure systems trap hot air close to the ground.

Socioeconomic, Health and Climate Impacts of Urban Heat

Rising heat in Dhaka is already affecting the economy, public health, and overall climate vulnerability. According to Adrienne

Arsht-Rockefeller Foundation Resilience Center, Dhaka is losing USD 6 billion worth of labour productivity each year due to heat stress from extreme temperatures (The Daily Star, 2022). At the same time, research from the Earth Institute at Columbia University shows that heat combined with humidity creates dangerous “wet-bulb” conditions, increasing risks of heat exhaustion, respiratory illness, and heatstroke, especially for vulnerable groups. Rising temperatures are also increasing electricity demand, straining power systems, and worsening air and water quality. From a broader climate perspective, this trend reflects how localized urban conditions amplify global climate change impacts. Despite contributing only about 0.53 percent of global emissions, Bangladesh ranks seventh in the Global Climate Risk Index 2021 (The Business Standard, 2024). This imbalance highlights how cities like Dhaka face intensified risks, where urban heat not only affects daily life but also deepens long-term climate vulnerability.

Planning and Design as Solutions

Addressing the UHI effect in Dhaka requires both long-term planning and immediate action. The Detailed Area Plan (2022–2035) outlines strategies such as expanding green spaces, conserving water bodies, and improving urban ventilation. Increasing tree cover remains one of the most effective solutions, as vegetation reduces temperature through shade and evapotranspiration. Building design also plays a role, particularly through the use of high-albedo or “cool roof” materials that reflect heat and lower indoor temperatures.

Toward a National Heat Action Plan

At a broader level, a National Heat Action Plan is essential. It should include early warning systems, GIS-based heat mapping, and targeted support for high-risk areas (The Daily Star, 2026). Immediate measures like cooling shelters, restored urban water bodies, and shaded public spaces can reduce exposure. Stronger labor protections, including mandatory rest breaks and access to drinking water, are also needed, along with public awareness on heat safety. The use of advanced materials and cooling technologies—such as reflective nanocoatings, heat-resistant paints, and Thermoelectric Generator (TEG) pavements, etc. should be more widely adopted, as seen in many

other countries. At the same time, strategies like vertical greenery, living walls, green roofs, rooftop farming, and greener road medians with grass or heat-reducing plants need to be actively promoted. With proper guidance and policy support from relevant authorities, these measures can significantly reduce urban heat. Introducing incentives and special benefits could further encourage wider adoption across the city. At the same time, all healthcares (both private and public) must be better prepared with trained staff and dedicated facilities to manage heat-related cases promptly during the summer.

Nonetheless, the Urban Heat Island effect in Dhaka is no longer a theoretical concern. It is increasingly shaping daily life, influencing how people live, work and cope with rising urban temperatures. The challenge now extends beyond understanding the phenomenon to taking timely, coordinated and effective action with urgency and clarity.



URBAN HEAT IN DHAKA

A GROWING THREAT, A CALL FOR ACTION

DHAKA IS A GLOBAL HOTSPOT

Warming faster than the national average.

(The Daily Star, 2025)

CLIMATE VULNERABILITY

Bangladesh contributes only 0.53% of global emissions. But **rank 7th** in the Global Climate Risk Index 2021.

(The Business Standard, 2024)

ECONOMIC LOSS

Dhaka is losing \$6 billion in labour productivity each year due to heat stress.

(The Daily Star, 2022)

HEALTH RISKS

A Heat humidity creates dangerous “wet-bulb” conditions, increasing risks of heat exhaustion, respiratory illness, and heatstroke.

(The Daily Star, 2022)

EARLY WARNING & RISK MAPPING

COOLING TECHNOLOGIES AND GREEN-INFRASTRUCTURE

IMMEDIATE RELIEF MEASURES

POLICY, GUIDANCE & INCENTIVES

MITIGATION

SHELTECH 38TH ANNIVERSARY FAIR AND SHELTECH SERVICE MONTH 2026

Sheltech (Pvt.) Ltd. marked its 38th founding anniversary with the successful completion of the Sheltech Anniversary Fair 2026, alongside a series of customer-focused initiatives. The month-long fair was held from April 1 to April 30, 2026, across multiple locations including Sheltech Tower in West Panthapath, Tejgaon Sales Office, and Jolshiri Abashon in Dhaka as well as the Chattogram office in South Khulshi, operating daily from 10 AM to 6 PM.

Md. Sharif Hossain Bhuiyan, Executive Director (ED), Operations of Sheltech (Pvt.) Ltd. inaugurated the 38th Anniversary Fair 2026 and Sheltech Service Month 2026 at Dr. Toufiq M. Seraj Lounge, Sheltech Tower in Panthapath, Dhaka on April 01, 2026. Mr. Naushad Choudhury, Advisor, Strategic Planning, PR and Marketing of Sheltech Group, Mr. Shajahan, Chief Operating Officer (COO), along with other officials from Sheltech were present during the inauguration ceremony.

The fair showcased an extensive portfolio of 77 ongoing and ready projects, featuring more than 450 residential and commercial units across prime

locations in Dhaka and Chattogram. The event witnessed strong participation from clients and prospective buyers, reflecting keen interest in Sheltech's beautiful projects. Customers availed special benefits, including special offers up to BDT 25 lakh on property bookings, along with complimentary kitchen cabinets and interior design solutions, contributing to the overall success of the event.

As part of the anniversary celebration, Sheltech also introduced "Sheltech Service Month 2026" for the first time. Throughout April, maintenance services—including repair works, technical inspections, and general upkeep—were provided to clients across projects delivered between 1988 and 2026, reinforcing the company's continued commitment to customer satisfaction and service excellence.

Clients who missed the fair are welcome to visit any of the four Sheltech offices at their convenience to explore ongoing and upcoming projects. For more information, contact our sales hotline at **16550**.



Inauguration Ceremony of the Sheltech 38th Anniversary Fair and Sheltech Service Month 2026

GROUNDBREAKING OF TWO RESIDENTIAL PROJECTS AT BASHUNDHARA R/A

Sheltech (Pvt.) Ltd. recently arranged groundbreaking ceremonies for two upcoming residential projects named **Sheltech Aster Wood** and **Sheltech Oak Cottage**, in Bashundhara Residential Area, Dhaka.

The ceremonies were arranged on April 11, 2026, marking another step forward in Sheltech's continued expansion in prime urban locations. The groundbreaking of Sheltech Aster Wood, located at Road 16A & 17A, Block M, was graced by Mr. Shaikh Shaiyan Ahmed, Associate Director of Sheltech Group. On the same day, the ceremony for Sheltech Oak Cottage, located at Road 35, Block N was graced by Mr. Shajahan, Chief Operating

Officer (COO) of Sheltech (Pvt.) Ltd. Senior officials of Sheltech along with landowners, architects, and engineers were also present during both the ceremonies.

Both the projects offer thoughtfully planned single-unit apartments per floor, ensuring privacy, comfort, and a modern living experience. With strategic locations in Bashundhara R/A, both the projects will benefit from excellent connectivity and a well-established neighborhood environment.

To learn more about these projects, clients are requested to contact our sales hotline at **16550**.



SHELTECH
ASTER WOOD


-  Road-16A & 17A, Block-M, Bashundhara R/A, Dhaka
-  09 Storied (G+8) Residential Building
-  2293 Sft. Apartments




Groundbreaking Ceremony of Sheltech Aster Wood



Groundbreaking Ceremony of Sheltech Oak Cottage



SHELTECH
OAK COTTAGE

-  Road-35, Block-N, Bashundhara R/A, Dhaka
-  10 Storied (G+9) Residential Building
-  2343 Sft. Apartments

AGREEMENT SIGNING OF TWO RESIDENTIAL PROJECTS IN DHAKA

Sheltech (Pvt.) Ltd. has signed two brand-new residential projects named **Sheltech Zephyra** and **Sheltech Primrose** at Bashundhara R/A and Dhaka Cantonment respectively. Both the projects were signed between Mr. Tanvir Ahmed, Managing Director of Sheltech Group and respected landowners of the projects on April 06, 2026 at Platinum Grand in Banani, Dhaka. Md. Sharif Hossain Bhuiyan, Executive Director (ED), Operations, Mr. Shajahan, Chief Operating Officer (COO), and other senior officials of Sheltech (Pvt.) Ltd., as well as the landowners of the projects were present during the agreement signing ceremonies.

Sheltech Zephyra, located at Block-J, Bashundhara R/A, has a land area of 10 katha and will feature a 10-storied (G+Mezzanine+8) residential building,

with 16 beautifully designed apartments (approximately 2025 sft.) along with dedicated parking facilities. The project will offer a balanced blend of comfort and functionality in a well-established residential neighborhood in Dhaka.

On the other hand, Sheltech Primrose, located at Road 6A in Dhaka Cantonment, has a land area of 7.56 katha. The project will feature an 8-storied (B+G+7) residential building with 14 modern apartments (approximately 2250 sft.). The future residences of Sheltech Primrose will enjoy a refined and secure living environment with modern amenities.

For more information about these projects, please contact our sales hotline at **16550**.






Agreement Signing Ceremony of Sheltech Zephyra at Bashundhara R/A

SHELTECH
ZEPHYRA

-  Plot- 519, 542, Block-J, Bashundhara R/A, Dhaka
-  10 (G+ Mezzanine+8) Residential Building
-  2025 Sft. Apartments

SHELTECH
PRIMROSE

-  Plot-66B, Road-6A, Dhaka Cantonment
-  08 (B+G+7) Residential Building
-  2250 Sft. Apartments



Agreement Signing Ceremony of Sheltech Primrose at Dhaka Cantonment

POHELA BOISHAKH CELEBRATION AT SHELTECH

On April 15, 2026 Sheltech (Pvt.) Ltd. celebrated Pohela Boishakh-1433 with great enthusiasm and festivity at its corporate headquarters in Panthapath, Dhaka. The event brought together employees in a vibrant and joyful atmosphere, marking the Bengali New Year in its true spirit.

The event reflected Sheltech's commitment to fostering a positive and inclusive workplace culture, where traditions are embraced and shared among all members of the organization.



Pohela Boishakh Celebration at Sheltech

SHELTECH SPONSORS YOUNG FUTURES OF EGLAL'S ABC CHARITY SCHOOL

Sheltech signed a Memorandum of Understanding (MoU) with Eglal's ABC Charity School on April 6, 2026 to support the education of underprivileged children. Through the "Sponsor A Child Program," Sheltech will also contribute to the education and overall well-being of young learners of the school.

The MoU signing ceremony was graced by Mr. Tanvir Ahmed, Managing Director of Sheltech Group, and Mr. John Smithies, Head of School, American International School Dhaka (AISD), along with senior officials from both the organizations.



MoU Signing Ceremony at Eglal's ABC Charity School



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CERAMICS

The
ART
makes the Artist



For more details

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শেল্টেক  **SHELTECH** *Since 1988*

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