

# Iran loses one billion cubic meters of renewable water annually

## Social Desk

Iran's renewable water resources are decreasing by approximately one billion cubic meters due to climate change, announced the spokesperson of the country's water industry.

"This pressing issue calls for the strict implementation of drought adaptation programs," said Firouz Qasemzadeh, according to Tasnim News Agency.

The spokesperson gave the statistics during the 13 International Congress on Civil Engineering.

"Statistical studies indicate that climate change and global warming result in a decrease in renewable water sources across countries," he said.

Qasemzadeh specifically noted Iran's conditions, and called for actions to mitigate the consequences of climate change and combat excessive water consumption.

During his panel on climate change and the country's water management and engineering strategies, Qasemzadeh referenced findings from the Intergovernmental Panel on Climate Change (IPCC), which suggest that each degree of global warming will lead to a minimum 20 percent reduction in access to renewable water sources for an additional seven percent of the global population.

He further emphasized that global warming will restrict access to water



resources worldwide.

"Given that Iran experiences an average temperature increase of 0.5 degrees Celsius every decade, this temperature rise alone will result in a reduction of approximately one billion cubic meters of available water resources within the country," he said.

Qasemzadeh warned that if this trend continues, coupled with the current consumption patterns in Iran, various sectors will face severe limitations.

"Failing to implement operational plans to adapt to the changing climate will only increase the pressures on water supply systems," he said, adding,

"Moreover, the continuous population growth, alongside infrastructure deterioration and insufficient investment for improvement, can further exacerbate water tensions."

### Conservation tactics

Renewable water resources refer to the naturally replenished water sources, such as rivers, lakes, and groundwater that can be sustainably used without depleting their overall availability. To take care of these resources, it is crucial to adopt various practices and strategies.

First off, we need to apply measures in

terms of conservation and efficiency. It would be ideal to implement water conservation measures in households, industries, and agriculture to reduce wastage. This can include using water-efficient appliances, fixing leaks promptly, and adopting irrigation techniques that minimize water loss.

Then, watershed management comes into play. Protecting and managing the health of watersheds is vital. Watershed management involves preserving forests, wetlands, and other natural areas that help regulate water flow and maintain water quality. This can be achieved through land-use planning, reforesta-

tion efforts, and sustainable agricultural practices.

Another measure that could be taken is to harvest rainwater. We need to collect and store rainwater for various purposes, such as irrigation. Rainwater harvesting systems can range from simple rain barrels to more complex systems that capture and store runoff from rooftops.

Then, we need groundwater management. With proper management of groundwater resources, as they often serve as a primary source of freshwater, we can mitigate the effects of climate change. This involves monitoring and regulating groundwater extraction to prevent over-pumping and depletion. Other measures include pollution prevention and climate change adaptation. The latter is recognizing the impacts of climate change on water resources and develop strategies for adaptation. This may involve implementing water-efficient technologies, diversifying water sources, and enhancing storage and distribution infrastructure.

Taking care of renewable water resources is imperative for our country, and requires a collective effort from individuals, communities, governments, and industries. Through implementing these measures and adopting sustainable practices, we can ensure the long-term availability and quality of these essential resources.

## 'Vietnam Coffee Night' symbolizes cultural exchange



By Zohreh Qanadi  
Staff writer

A taste of Vietnam coffee was the theme of a gathering at the Vietnamese Embassy in Tehran on Friday night, aiming to foster bonds of friendship between the two nations.

On the occasion of National Women's Day in Vietnam – Oct. 20 – and on the 50th anniversary of the establishment of diplomatic ties between Iran and Vietnam, the embassy organized "Vietnam Coffee Night" to celebrate the friendship and cultural exchange between the two nations. A delightful Iranian dinner, combined with the captivating culture of Vietnamese coffee,



with its pleasant aromas, rich flavors, and unique brewing techniques symbolized the cultural exchange between the two peoples.

In cooperation with the Iran-Vietnam Friendship Association and HTS Film Production, the embassy organized "Vietnam Coffee Night," where the documentary film, "Growth," directed by Vahid Alvandifar, was screened. The film is the story of the growth of coffee: A tale that travels from Yemen to Ethiopia and other parts of the world, showing it as more than just a beverage, but a symbol of friendship among nations.

Known for its motto of 'Independence, Freedom, and Happiness,' Vietnam stands as the second-largest producer of Robusta coffee beans globally, following Brazil.

And in Iran, although it was known as a symbol of Western culture at the beginning of the Islamic Revolution, coffee found its true place years later. The history of coffeehouses in the country dates back to the beginning of the 17th century, a time when coffee was more popular than tea. It was even known by Iranian scientists Razi (865-925 CE), and Avicenna (980-1037 CE).

### Exploring trade opportunities

The Friday event, which brought to-



gether representatives and coffee traders from both sides, was hosted by Ambassador Luong Quoc Huy.

In his welcoming speech, the ambassador introduced the audience to Vietnam's coffee culture and expressed his delight at Iranians' interest in Vietnamese coffee. He also mentioned that in the first six months of 2023, coffee imports from Vietnam to Iran were worth approximately \$21 million. Vietnam is the world's second-largest coffee exporter, following Brazil.

Referring to trade statistics mentioned by the envoy, the head of the Iran-Vietnam Friendship Association, Kamal Sajjadi, also saw Vietnam as the potential major coffee bean exporter to Iran. Promoting the coffee trade between



Vietnam's Ambassador in Tehran Luong Quoc Huy delivers a speech at "Vietnam Coffee Night," held in Tehran on October 20, 2023, on the occasion of Vietnamese Women's Day, to celebrate cultural exchanges with Iran.

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the two countries, he expressed the friendship association's support of this field.

Sajjadi also elaborated on the activities of the Iran-Vietnam Friendship Association that was established 20 years ago.

The proposition of the sisterhood between the capitals, Hanoi and Tehran, as well as Thailand's Can Tho city and Amol in Iran's Mazandaran Province has been among the association's cultural activities.

### Honoring Vietnamese women

The ceremony coincided with the celebration of Vietnamese Women's Day. Ambassador Quoc Huy extended his appreciation for the Vietnamese wom-

en in attendance at Coffee Night by presenting them with flowers, symbolizing the gratitude of the entire nation. An old Vietnamese saying, "When the enemy is at the gate, the woman goes out fighting," shows that the role of women in Vietnam has long been linked to the struggle for independence, the first element of the motto of "Independence, Freedom, and Happiness".

On October 20, 1930, Vietnamese women, supported by the Communist Party of Vietnam, united against imperialism and formed an organization that was later known as the Vietnam Women's Union. Since then, Vietnam celebrates this day to honor the organization and Vietnamese women.

### First Announcement

## Tender invitation

### Invitation to public tender for: MAGNESIUM STEARATE (S32)

Tabriz Petrochemical Company intends to procure the amount of 110,000 kg of magnesium stearate (S32) it needs for the ABS production plant from the reliable and reliable manufacturer and supplier of the mentioned product.

In order to receive tender documents, interested suppliers should send their request to the following email within 7 days after the second printing of the advertisement.

Email: M.iranmakani@tpco.ir

Phone No.: +98-41-34282973

Tender	No	Quantity
MAGNESIUM STEARATE (S32)	PVS-0241036	110000 KG

Public Relations of Tabriz Petrochemical Company ( Public Stock )

First turn published: Oct 23, 2023

Second turn published: Oct 28, 2023

## Hepatitis infection in Iran down from 5 to 1%

IRNA – According to the head of the Iranian Association for the Study of Liver Diseases, hepatitis infection rates in Iran have significantly decreased, almost eradicating the disease throughout the country. The Association highlighted that infection rates have dropped from five percent to one

percent, with over 40 million Iranians having received the hepatitis vaccine. In fact, many cities in Iran currently report no cases of hepatitis infection. This achievement is attributed to improved access to effective medications for treating hepatitis B and C, resulting in the lowest infection levels in the country.

## Iran dispatches 4th humanitarian aid to quake-hit Afghanistan

MEHR – In response to a series of devastating earthquakes in neighboring Afghanistan, Iran has sent its fourth consignment of humanitarian aid to the affected areas. Hadi Ramezani, the head of the Iranian Red Crescent Society in Taybad, announced that a 40-ton shipment was dispatched from the Dowqarun border. The aid, which includes essential items such

as food, blankets, and carpets, was collected by the residents of Taybad. It will be distributed among the Afghan people in the Zinda Jan district of Herat.

Ramezani further mentioned that Iran has already sent three previous consignments, totaling over 690 tons of donated goods, to assist those affected by the earthquakes.