



CENTER FOR

CONTEMPORARY

QUATERERLY STRATEGIC NEWSLETTER FEBRUARY - APRIL

STUDIES IN SECURITY & TECHNOLOGY (ccsst)







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ABOUT US

Analyzing trends, breaking down complexities, and bringing you informed perspectives on Geopolitics, Economy, Politics & International Relations. This center mainly emphasizes the ever-changing

nature of military and technological aspects of security challenges.

OBJECTIVE OF OUR MISSION

We cover strategic and technological developments in Tibet and China's Western Regions, which deeply impact the trajectory of Asia and India's future.

While continuing to monitor for traditional security challenges rising from Tibet and the Western Theater Command, this report highly prioritizes covering the significant development occurring within the Chinese PLA's modernization framework, particularly in the domains of mechanization, informatization, and intelligentization in its Western region.

B NEWSLETTER

February 2025



TAR merges the Military and Civilian Grain and Material Reserve Bureau

Feb1

Tibet Autonomous Region's Military Logistics receives a major boost as TAR merges and centralizes the digital platform of the Military and Civilian Grain and Material Reserve Bureau, based on an official notice titled "TAR Military-Civilian Integration Military Food Supply Informationization Project."

The construction of the provincial business management platform of the Tibet Autonomous Region Grain and Material Reserve Bureau, the site system platform of 6 distribution centers (national grain reserves in Lhasa, Shigatse, Shannan, Nyingchi, Qamdo, and Nagqu), and the informatization construction of one store in each distribution center.

Communication Line operations at the border

The "Highland Border Guarding Model Battalion" of the Xigaze Military Division conducted communicationrelated operations in the border areas.

The "Highland Border Guarding Model Battalion" of the Xigaze Military Division in Tibet is responsible for the 140-kilometer border defense control mission all year round. Due to the scattered locations, complex terrain, and harsh climate, communication support poses a great challenge. This PLA unit is responsible for communication line patrol and protection missions. This is a Unit under the Shigatse military Division bordering Sikkim and in proximity to Arunachal Pradesh.

431 highway transportation construction projects in 2024 including in Xiaokang Border Villages

Feb 8

Feb 8

The Autonomous Region Transportation Department organized the 2025 regional transportation work conference on February 8 to summarize the achievements of 2024, deeply analyze the current situation, and implement key tasks for 2025.

It was announced that 431 highway transportation construction projects were implemented throughout 2024, with a total mileage of 124,900 kilometers was announced during the meeting, including huge chunks of border and Xiaokang Border Village's road.





February 2025

Quantum technology integrated in Chinese Police Force in Tibet

Feb 10

Chen Xiangping and Baima Danqu, operation and maintenance engineers of China Mobile, are on their way to the police work station in Naqu City, Tibet, to perform quantum secret communication maintenance.

The introduction of China Mobile Quantum Secret Messaging has greatly improved the confidentiality of information transmission in the local public security bureau.

China Mobile Internet Company, relying on the China Mobile Quantum Secret Communication product jointly developed with China Mobile System Integration Company, creates a Mobile Data Terminal (MDT) solution that integrates quantum technology.



Chinese PLA announced 111 Km new & upgraded roads near India's Ladakh

Feb 12

The Chinese PLA announced the construction of 6 new roads, totaling 72 kilometers, one iron bridge, and the upgrading of 5 roads, totaling 111 kilometers, in the Ngari Prefecture bordering India's Ladakh.

The tender with a project name titled "Survey and design of a certain unit's 2024 BF infrastructure construction project," dated Feb 12, speaks of the construction of new border roads in Ngari Prefecture and upgrading the old ones.

As the tender was announced in a Military tender portal, possibly the procurement requirement was made by one of the Border Defense Regiments or other PLA units stationed near India's border and is part of the National Defense Road.



February 2025



China's Watchtower "Smart Eyes Guard" monitoring in the border areas

Feb 20 China procured 80 towers and data links to mount high-definition surveillance cameras to conduct 24-hour surveillance of areas prone to illegal construction and protection areas as part of the "Smart Eyes Guarding the Land" in Lhasa city.

The "Smart Eyes Guarding the Land" comprehensive intelligent supervision platform, generally constructed at a high altitude, monitors a large area. Hence, it could be replicated and useful for the informatization of Border management and "Smart Border Defense".

Red Vs Blue Team drill simulates Enemy targets

Feb 20

A certain Border Defense Regiment of the Tibet Military Region conducts a real-life soldier confrontation drill to improve the combat effectiveness on mountainous and harsh environviment.





Dentist Unit for Border Force Feb 20

Tibet Military Region General Hospital built the first "Grassroots Oral Treatment Unit" demonstration base for plateau troops in a certain border defense regiment so that professional diagnosis and treatment can benefit officers and soldiers amidst recent formation of therapist units for border soldiers.

February 2025



Firepower at 5,300 Meters: Combat Drill near LAC Feb 21

A certain Regiment of the Xinjiang Military Region conducted a Comprehensive actual combat drill in Karakoram at 5,300 meters with a ZTQ-15 light tank (Type-15), an unmodified ZBD-86 (BMP-1) armored vehicle, a drone, and other tanks. The drill fully tested the emergency response capabilities of the combined battalion combat units in unfamiliar environments and extremely cold weather.

The Karakoram Ranges, by the northeast edge of the Tibetan Plateau, touch the northernmost strategic parts of the Line of Actual Control areas under India, consisting of Daulat Beg Oldie (DBO), Depsang Plains, Siachen Glaciers, and Galwan valley, very close to it.

Region-wide Radiation Safety training

Feb 22

Tibet launched radiation safety supervision and inspection training in Lhasa, aiming to improve the region's radiation safety management level and trained 76 staff members from the ecological environment bureaus of 7 cities (prefectures) and some counties (districts).

As Tibet moves further towards strengthening Military-Civilian fusion. While presented as a civilian training, radiation safety training often has dual-use potential – applicable to both nuclear safety and military readiness, especially in sensitive border areas.





Four Counties near India chosen for MCF model counties

Feb 24 Four Tibet's counties including Medog, Yadong, Ritu, and Lhoza county, where the Line of Actual Control (LAC) lies are chosen as the model counties to support the Military-Civilian Fusion (MCF) and provide greater support to the Chinese PLA.

February 2025



PLA wargaming an invasion of India?

Feb 25

The officers and soldiers of the combined battalion of a certain brigade of the 76th Group Army use the simulation training system to carry out coordinated armed forces training in a Plateau environment. The simulated tactical training includes the drones sending back the coordinates of the "enemy" armored groups in real time, the electronic unit releasing electromagnetic interference synchronously, and the tank gunner and the infantry fighting vehicle commander marking the attack axis on the shared situation map... With the commander's order, the armored assault group and the infantry unit accurately surrounded the "enemy" under the cover of artillery fire, instantly tearing open the "enemy" defense line.

21 Mega Projectsfor Minerals Exploration & Exploitation Feb 25

The Natural Resource Department of Tibet Autonomous Region announced the 2025 mineral resources exploration unique project, divided into 21 mega projects.

The exploration projects centered around strategic minerals resources such as potassium-boron-lithium mineral resources, gold, and copper across mines in Tibet Autonomous Region, including Border areas such as Ritu County and Zhanda County.

On the same day, the natural resource department also announced the "15th Five-Year Plan" Basic Surveying and Mapping Planning Compilation Project





Western Theater Command's Drone Pilots training

Feb 25

The drone pilots of a certain brigade of the 76th Group Army conducted drone training on a drone training site. Drones have become an essential part and are increasingly incorporated into the infantry and Air Forces in Tibet and the Western Theater Command.

February & March 2025

Air Defense Drill strike down simulated enemy's aircrafts near a border area

Enemy Aircraft were simulated and struck down!

Feb 25

An air defense unit under a certain Combined Regiment of the Xinjiang Military Region conducted an Air Defense Drill against Simulated enemy aircraft on the Karakoram Plateau at an altitude of 5,300 meters. The drill highlighting the Border Force's Air Defense Offensive capacity with PLAA PGZ-09 Chinese self-propelled anti-aircraft vehicle explore the integration of the air defense unit into the combined combat tactics and training methods, and simultaneously test the combat and technical performance of weapons and equipment under the extreme climate conditions of the high altitude and cold plateau.



Optimising Heavy Weapons & Equipment Transportation in the Tibetan Plateau

March 4

A certain brigade of the 77th Group Army of the Western Theater Command conducted driving training for transportation of various types of heavy weapons and equipment, such as the ZBD-04A advanced tracked armoured infantry fighting vehicle (IFV) with other hidden equipment via Heavy Equipment Transport (HET) vehicles. This training improves the comprehensive quality of multiple transportation channels between the Tibet Military Region and the other major forces in WTC through subjects such as long-distance maneuvers, heavy equipment hauling and delivery, and night driving training.

ZBD-04A is a critical element of the modern PLAGF Heavy Combined Armed Brigade, with improved Armor Protection, mobility, and terrain adaptability is perfectly suited for plateau warfare.



March 2025

China plans to construct 5 new border duty points near Arunachal Pradesh March 7

China plans to construct 5 new border defense infrastructure duty houses for the Linzhi Border Management Detachment near the Indian border within 60 days. The new border infrastructure duty room includes Jitai point in Zayu County with a construction area of 231.22 square meters, Langgong point in Milin City with a construction area of 231.22 square meters, Qionglin point in Milin City with a construction area of 511.08 square meters, Xirang point in Medog County with a construction area of 235.13 square meters, Bulongdian point in Medog County with a construction area of 177.47 square meters, and related ancillary supporting projects.





Tibet Launches Survey on Mining-Damaged Land

March 7

Authorities in Tibet have initiated a comprehensive investigation into mining-damaged land across all 74 counties and districts. The project includes creating a county-level database, preparing individual reports, and compiling a region-wide assessment titled the "Tibet Autonomous Region Mining-Damaged Land Status Investigation Results Report", along with detailed maps.

China's high altitude's vegetation Plan highlights Excessive Construction in Tibet

March 10

A new plan for vegetation planting and restoration in high-altitude, highaltitude regions has been proposed by the Geochemical Exploration Center to provide a comprehensive solution for vegetation restoration and ecological environment improvement in areas disturbed by construction projects in high-altitude areas.



March 2025

Massive Joint PLAGF Land and Air Attack Plateau Drill in Tibet.

March 10

An Artillery Brigade, an Air Defense Brigade, and a Combined Arms Brigade of the Tibet Military Region jointly conducted a land and air combat plateau drill. This massive drill testing the combat capability also honed the joint capabilities to prepare for future war.

The Joint Land and Air Combat Drill includes mass mobilisation at night. Live-fire drill of Multiple radars, PHL03 (Type 03) 300mm multiple launch rocket system (MLRS), and other SAMs, Anti-Aircraft Tanks, Artillery, and Offensive Helicopters. In addition, soldiers' confrontation drill includes Flamethrowers, grenade launchers, and guns. The drill ended with mass medical support and rescue operations.



New strategic railway construction along Arunachal Pradesh's border ramped up

March 11

The Lanzhou Railway Supervision and Administration Bureau announced plans to begin the quality and safety supervision services for the Yalin section (Tibet section) of the Sichuan-Tibet Railway and the Yunnan-Tibet Railway-related projects from 2025 to 2027.

The Yalin section of the Sichuan-Tibet Railway (the section in Tibet) is about 546km long, running from Ya'an City to Linzhi Prefecture.

China's under-construction Yunnan-Tibet Railway runs from Kunming city of Yunnan to Lhasa city of Tibet Autonomous Region (TAR). The Bomi to Ranwu section of the Yunnan-Tibet Railway is located in Linzhi City and Qamdo City in the southeast of TAR with the total length of the new main line is 134.47km. There are 16 new bridges with a length of 17.90 km and 12 tunnels with a bridge-tunnel ratio of 83.68%.



B NEWSLETTER

March 2025



Deepseek AI model adopted in the TAR's **Border Prefectural administration**

March 11

Linzhi Municipal Administrative Approval and Convenience Service Bureau launched an intelligent customer service system - "Linzhi Government Affairs Al Customer Service" based on the DeepSeek big model and the Doubao big model, providing enterprises and the public with more convenient and accurate government services, AI intelligent consultation and guidance.

There have been shifts toward the adoption of latest models within the AI Chinese governmental institutions and the Military in Tibet and whole of China generally.

Dams Damaged by the Recent Dingri Earthquake implicated major threats for Asia's security

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March 14

Chinese official procurement notices call for the Restoration and reconstruction project of the Kongdingma flood control embankment damaged by the "7.06" natural disaster in the border area of Dingije County.

This Chinese official notice highlights the risk of earthquakes damaging Dams and profoundly vindicates the fact that there are immense ecological and devastating threats from building Dams and Hydropower plants on the Rivers of the Tibetan Plateau. Earthquakes could cause humongous Water Bombs like floods due to the disruption of Dams and could cause immense loss of Lives and ecology in the lower-riparian countries like India, Bangaldesh, and many others.



Reconnaisance Drills eliminated "Enemy Target"!

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March 14 A Certain Brigade of the Western Theater Command conducted a reconnaissance drill in a snowy area. After receiving the "enemy situation" report, the commander issued an order, and the troops immediately entered combat status. The reconnaissance team began to move forward covertly, using a variety of means to conduct reconnaissance on the "enemy's" firepower deployment and sending back battlefield situation information in real time. "Fire!" At the commander's command, the firepower team launched a precise strike on the "enemy" target.



March 2025



PLA Air Force honed wartime operations in direction of India

March 16 A certain Air Force Ground-to-Air Missile brigade of the Western Theater Command A certain Air Force Ground-to-Air Missile brigade of the Western Theater Command conducted a full-element air defense confrontation and carried out assessments on wartime operations such as evacuation and concealment, drone reconnaissance, nuclear, biological, and chemical attacks, and emergency failures.

Military Emergency Response training at 5000 meters altitude March 16

A certain regiment of the Xinjiang Military Region conducted emergency response training on the snowy plateau at an altitude of more than 5,000 meters. This training comprehensively honed the troops' emergency combat capabilities under highaltitude and low-temperature conditions, laying a solid foundation for performing diversified tasks in a changing geographical environment.

Almost the whole of India's Ladakh, Himachal, and Uttarakhand borders the Ngari Prefecture of TAR, which lies under the military jurisdiction of the Xinjiang Military Region. The emergency combat training could be conducted in the Ngari Prefecture in proximity to the Indian border.



Live-Fire Drill with AFT-9 (HJ-9) anti-tank missile on the Karakoram

March 17

A certain unit of the Xinjiang Military Region conducted a comprehensive live-fire drill day and night on the snowy plateau, as reported by the Karakoram Guard. The drill in China's western borders demonstrated a Comprehensive live-ammunition firing drill, including an Anti-tank squad live-fire shooting with an AFT-9 (HJ-9) anti-tank missile, a Vehicle-mounted firepower unit, and a night precision strike team.



March 2025

"Smart Ngari (Ch: Ali) Travel": Development of Smart tourism at the border

March 17

The "Smart Travel Ali" app, created by the Ali Regional Culture and Tourism Bureau, will be launched for trial operation soon. This app integrates the important scenic spots, surrounding hotels, restaurants, special tourist products, scenic spot ticket booking, tour guides, and other services in the entire Ngari (ch: Ali) region through the Internet, and provides them to independent travelers, travel agencies, and OTA users in a platform-based manner.

The Smart Tourism program mainly includes Ali Huixuan, Al Living Room, Hand-drawn Map Tour, Panoramic VR Cloud Tour, Ali Region Travel Guide, Membership Rights, and Warrior Certificates, etc.





J-11B Jets still prominent in China's Air Power in Tibet and WTC

March 17

A certain Brigade known as "Xiangli Brigade" conducted its J-11B series maintenance operations. Even though it's inferior to J-20, it's considered one of the main fighter jets in Air Force bases in Nyinchi and other areas near India, guarding the Western Front. The pictures show snowy mountainous terrain and Tibetan-style buildings resembling the Tibetan Areas.

PLA's Integration of Deepseek AI in Tibet

March 17 A Military procurement announced by a unit in Lhasa City denotes a study on the use and integration of the Deepseek AI into military applications. The tender notice was entitled "Exploring the use of DeepSeek large-scale model processing, data model construction and verification procurement".





March 2025

High-Altitude Wind Turbines set off in Nyingchi Prefecture

March 17

The first set of high-altitude wind turbines independently developed and built by CRRC Shandong Wind Power Co., Ltd., specifically for high-altitude areas, rolled off the production line successfully at the CRRC Nyingchi New Energy Equipment Industrial Park, marking a new step for Nyingchi Prefecture in the field of new energy equipment manufacturing.

In the future, the industrial park will continue to innovate with cutting-edge technologies, actively explore new paths and models for the clean energy industry, and lead the development of the industry.



Military cross-river transportation drill on the Yarlung Tsangpo River

March 18

A certain Engineer and the Chemical Defense Brigade of the Tibet Military Region carried out equipment and weapon transportation drills with a mobile pontoon bridge system on the Yarlung Zangbo River at an altitude of 3,800 meters.

This critical logistic drill on the controversial Yarlung Tsangpo comes in light of increased Chinese military exercises on the water bodies in the India-China border. This kind of river-crossing capability is critical for the PLA's logistics and mobility in contested border regions such as those near Arunachal Pradesh or Ladakh.







Winner for Supervision project of China's Strategic Railways along India Border announced

March 18

The Jiangxi Building Materials Product Quality Supervision and Inspection Station Co., Ltd., located in Nanchang City, Jiangxi Province, is the winner of the bid for the supervision service for the construction of China's Yunnan-Tibet and Sichuan-Tibet Railway until 2028.

Sharpening Mountain Warfare with Mountain Attack Drill by a Combined Brigade of TMR

March 18

A combined brigade of the Tibet Military Region conducts a mountain attack drill to test the comprehensive combat capability of the troops on the plateau with howitzers, bridge-laying vehicles, bombs, medics, and rocket launchers.

A large part of the Line of Actual Control and generally the India-China borders are mountainous areas, hence, the mountain drill directly builds the PLA's mountain warfare capability Indian forces against across the Border.



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69223 Unit of the XMR conducted Artillery Drill with Quick Attack and Retreat at 4,300 meters

March 19

A certain Artillery Unit of the 69223 Unit of the Xinjiang Military Region conducted a comprehensive artillery Drill on a Karakoram Plateau in the Western frontiers at an altitude of 4,300 meters to test their combat system and weapons in high-altitude areas.

The officers and soldiers quickly carried out pre-firing preparations such as unpacking ammunition, calibrating artillery cameras, and adjusting artillery sources, and the team members quickly built artillery positions. The new howitzer used during the drill has tactical skills of quick attack and quick withdrawal.

As per multiple official tender sources, the main headquarters are shown to be possibly in Aksu Prefecture of Xinjiang Uygur Autonomous Region. Aksu Prefecture, located in Midwestern Xinjiang, resembles a plateau similar to the India-China border environment. Units under the Xinjiang Military Region, whose main operational goal is to counter Indian forces, also conduct cross drills across its jurisdiction, including the Ngari Prefecture bordering the Indian state of Ladakh.





WTC's Transport Soilders geared up for high-alittude driving

March 19 A Certain Regiment of the Western Theater Air Force organized the direct selection of motor soldiers at a plateau training ground at an altitude of 4,000 meters and conducted continuous assessments on driving skills, tactical physical fitness, etc., to comprehensively test the ability and quality of motor soldiers.

March 2025



Tibet's reconnaissance Unit that can "detact, fight, and win with one strike"

March 19

A certain Reconnaissance Unit of the Tibet Military Region conducted diversified reconnaissance tasks in high-altitude areas. This exercise is guided by the idea of "training soldiers in the same way as the war is fought".

By setting up a realistic battlefield environment and high-intensity confrontation, the reconnaissance soldiers' battlefield perception, intelligence acquisition, and precision strike capabilities under complex conditions are fully tempered, and a reconnaissance vanguard team that "can detect, fight, and win with one strike" is forged.

Beijing's Mega Resources Strategy "15th Five-Year Plan for Tibet begun

March 19

The Tibet Autonomous Region Natural Resources Department announced the preparation for the "15th Five-Year Plan for Natural Resources Protection and Utilization in Tibet Autonomous Region".

The main task during the preparation project is to comprehensively summarize the overall results of the implementation of the natural resources protection and utilization plan during the "14th Five-Year Plan", deeply analyze the existing problems and challenges faced, and study and propose the "15th Five-Year Plan" for natural resources protection and utilization in the Tibet Autonomous Region.





Anti-Tank Live-Fire training by TMR's brigade

March 20

A certain brigade of the Tibet Military Region conducted livefire shooting training with a Type 98 120mm anti-tank rocket launcher.

At present, when the People's Liberation Army has equipped the armored infantry squad with 120mm large-caliber antitank rockets, this can be regarded as one of the most powerful infantry squads in the world. The Type 98 120mm heavy rocket launcher is powerful, but its size and combat weight are also scary.

March 2025



JLSF established "health supply stations" for Border Forces in Tibet

March 21 The medical aid team of the 900th Hospital of the Joint Logistics Support Force builds "health supply stations" to provide medical services to soldiers guarding the border at the 4750-meter northern Tibetan Plateau and Tibetan people.

Aviation Army Brigade of XMR conducted Z-10 Attack Helicopters Training

March 19 A certain Aviation Army brigade of the Xinjiang Military Region Army organized a practical flight training in the Snowy Plateau.

Several helicopter formations took off in turn, completed hovering, turning, speeding up, and other actions, and flew toward the target airspace. Z-10 Attack Helicopters is the epitome of China's aviation forces across Tibet and Xinjiang's Border.



Drones Strike tested at 3,800 meters altitude area in the Tibetan plateau

March 21

A certain combined brigade of the 77th Group Army carried out a real-life explosion test of a drone on a snowy plateau at an altitude of 3,800 meters. During the test, several drones equipped with explosive units completed precise strikes on "enemy" targets





March 2025

76th Group Army Live-Fire Drill with PHL03 (Type 03) MLRS on the Gobi Desert

March 25

A long-range rocket artillery unit of a certain brigade of the 76th Group Army conducted a live-fire shooting drill in the Gobi Desert with PHL03 (Type 03) 300mm multiple launch rocket system (MLRS) with a maximum firing range of 150km. It comprehensively tests the long-range rocket artillery unit's ability to seize control and quickly withdraw from long-range combat conditions.



Synthetic Battlefield on the Tibetan Plateau: Rise of Plateau's Simulation Equipments.

March 25

A PLA Unit of Tibet announced the procurement of professional simulation Equipment for the Plateau "Promote Training and Service" Training Ground Supporting Facilities.

There has been an increasing trend of employment in virtual simulation training, enhancing military preparedness in the Western Theater Command. In hindsight, this implies the fact that WTC's units are increasingly adopting "virtual Reality" to prepare for a possible war in the future.

Simulators connected in a vast virtual network collectively control air, sea, land, space, and cyber effects, enabling joint training, large-scale force exercises, and mission-critical exercises



March 2025

Reconnaisannce Brigade of 77th Group Army conducted plateau infiltration drill

March 25 A reconnaissance unit of a certain brigade of the 77th Army Group conducted a high-intensity infiltration drill on a plateau at an altitude of more than 3,000 meters. The exercise included practical courses such as armed raids, towing crossings, and camouflage reconnaissance to fully hone the officers' and soldiers' ability to adapt to the plateau environment.





An Enginering Units of 76th Group Army conducted Bridge-building Trainig

March 26

An engineering sub-unit of a certain Engineering and Chemical Defense Brigade of the 76th Group Army conducted bridge-building training on the snowy plateau at an altitude of 4,300 meters.

After receiving the order, the officers and soldiers of each group worked closely together and carried out operations such as calibrating the position, fixing the steel cables, and unfolding the bridge span in strict accordance with the process, and finally completed the bridge-building task efficiently.

TMR's border unit conducted ZTQ-15 exercise at the 5,000 meters altitude

A Certain border defense force of the Tibet Military Region conducted an armored unit maneuver exercise with a Type 15 light tank on the snowy plateau with an average altitude of 5,000 meters. The exercise took advantage of the plateau's complex terrain and changeable climate to further test the maximum combat effectiveness of armored

March 28

The Type 15 light tank, codenamed ZTQ-15, is a newly developed light tank in China. This tank has been officially equipped in the Chinese Army and made its debut in the 70th anniversary military parade of the National Day in 2019.

vehicles under high-altitude and cold conditions.



March 2025



PCL-181 155mm self-propelled howitzer employed on the Tibetan Plateau at an 4,000 meters

March 29 A certain brigade of the 77th Group Army conducted a live-fire exercise of a certain type of vehicle-mounted howitzer in the hinterland of the plateau at an altitude of more than 4,000 meters. This exercise was based on the actual combat background and adopted an all-weather, highintensity, and fast-paced approach to effectively test the effectiveness of artillery shooting and improve the troops' overall combat level.

Live-Fire drill with Sniper Grenade Launcher at 4,600 meters altitude



March 29



A certain Unit of the Tibet Military Region conducted a Live Ammunition Drill at an altitude of 4,600 meters with QLU-11 Massive Sniper Grenade Launcher, Bomb, Uzi, and other weapons.



Tibet's Largest Solar Power Project connected to the Grid

March 29

The largest solar power storage project in Tibet 250MW solar power storage station of Huaneng Jiawa, was connected to the grid for power generation.

The project is located in Jiawa Village, Qusong County, Shannan City, with an installed capacity of 250 MW and a 50 MW/200 MWh energy storage system.

A milestone in transforming the Tibetan Plateau into an energy-producing powerhouse, powering China's industrial development and increasing energy demand through via West-Electricity Transmission Project.

March 2025

"Confrontational Drill" with robotic dogs, unmanned vehicles, and drones at the border

March 30

A Certain Combined Arms Regiment of the Xinjiang Military Region conducted a "confrontational drill" with robotic dogs, unmanned vehicles, and drones, as per the Chinese PLA's official news site. Recently, we have witnessed a greater incorporation of robotic dogs and unmanned vehicles by border defense forces near India in both logistic and combat operations.



"International Cooperation in Trans-Himalayan Earth Science" was held in Beijing

March 31

The 2025 Zhongguancun Forum Annual Meeting, "International Cooperation in Trans-Himalayan Earth Science," was held in Beijing.

More than 200 experts and scholars in the field of Qinghai-Tibet Plateau research from more than 10 countries focused on major challenges faced by mankind, such as climate change, biodiversity, and ecological environment, and exchanged in-depth views, practices, and thoughts on Trans-Himalayan Earth System Science.

Anti-Chemical Training on the Plateau

March 31

A certain chemical defense detachment of a certain Chemical and Engineering brigade of the 76th Group Army conducts a chemical defense course assessment with a focus on antichemical assessment.

Inside the chemical defense reconnaissance vehicle, the trainees overcame the adverse effects of the plateau weather, adjusted parameters, and conducted intensive testing to provide key data support for subsequent operations.





April 2025

An Militia Drone Team in Lhasa conducted Drone Training; Drones, Communication, Reconnaissance and Air Defense capacity building

April 01

A Certain Combined Arms Regiment of the Xinjiang Military Region conducted a "confrontational drill" with robotic dogs, unmanned vehicles, and drones, as per the Chinese PLA's official news site. Recently, we have witnessed a greater incorporation of robotic dogs and unmanned vehicles by border defense forces near India in both logistic and combat operations.



Mass Production of Large unmanned T1200 helicopters for Plateau operations begins soon April 01

Harbin United Aircraft Large UAV Industrial Base, with an estimated annual output of 10,000 UAVs, will start construction in April 2024.

After completion of the construction, the base is expected to be put into mass production of T1200 large unmanned helicopters.

The T1200 mentioned is a plateau-type, heavy-load unmanned helicopter that can take off and land in highaltitude areas. It has a maximum take-off weight of 1,200 kg, a maximum load of 500 kg, and a practical ceiling of 6,500 meters.

The T1200 has a wide range of applications in emergency support, agricultural plant protection, fire fighting and rescue, transportation, and delivery, especially in the field of logistics and transportation. It will become the UAV product with the strongest load capacity, with the capacity to fulfil various military transportation and delivery needs in remote areas, at sea, on plateaus, or in mountainous areas.





April 2025



ZBD-04A Anti-Tank Missile System destroys enermy tanks on the Tibetan Plateau

April 1 A certain Brigade of the 77th Group Army conducted multi-weapon live-fire shooting training with a focus on the destruction of "enemy" tanks, with ZBD-04A Anti-Tank Missile System, PLZ-07, also known as the "Type 07", and other military Tanks on the plateau. During the training, the armored unit conducted a group attack and advanced towards the designated area.

China is constructing Biobanks in Tibet's border

April 2

A Certain Military Unit announced the 2025 Biobank Construction Project in Naidong District, Shannan City, Tibet.



China is steadily increasing the infrastructure around biobanks in tandem with the development of Bloog Bank Logistic in the border areas, such as Naidong District in the Eastern Sector of LAC, and simultaneously in Ngari Prefecture of the Western Sector of LAC of Tibet. Firstly, these bio samples of Tibetans border residents may be used for research related to the Plateau's adaptability. Secondly, these blood-bank chains serve as an important part of logistics during the time of war. In terms of human rights, these blood samples forcibly taken from the mass Tibetan civilians were allegedly used for mass surveillance.



China's Smart s in Tibet intensifies Resource-exploitation

April 2

Amidst increasing China's exploitative mining on the Tibetan plateau, the Economic and Information Technology Department of the Tibet Autonomous Region announced that the construction of smart s in Tibet has achieved phased results. Among the 14 large-scale mining companies, Julong, Huatailong, and Yulong have reached the 4A level in their self-assessment, and other mining companies have reached the 3A level in their self-assessment.

China introduced "Implementation Plan for the Construction of Intelligent Cities in the Tibet Autonomous Region" earlier on January 23.

April 2025

April 5

First manned Flying Taxi (eVTOL) in Tibet launched in a Nyingchi border Prefecture

On April 5, the Ehang Intelligent Peach Blossom manned drone E-VTOL made its debut flight at an altitude of 3,000 meters and completed its flight at the 22nd Peach Blossom Tourism and Culture Festival in Linzhi, Tibet.

China's plan to establish a strong "low altitude' economy in the border areas of Tibet has progressed rapidly recently.

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High-Altitude Transportation training with Tactical Trucks by a Unit of TMR

April 5

A certain Unit of the Tibet Military Region conducted high-altitude field transport driving training with hundreds of Tactical Transport Trucks on a plateau at an altitude of 4,600 meters. The training aims to improve the road-driving skills of officers and soldiers in complex outdoor environments and enhance the company's transportation support capabilities.

An Army Aviation Brigade of the 76th Group Army conducted night flight training with multiple Helicopters

April 7

A certain Aviation Army brigade of the 76th Group Army conducted multi-subject, cross-day and night flight training in line with actual combat with the Harbin Z-20 and Mi-171. Harbin Z-20 and Mi-171 are the main aviation forces that are projected towards the Indian Forces on the border.



April 2025



China announced 1st batch of high-risk glacial lakes in Tibet

April 7

The first batch of monitoring and early warning procurement projects for high-risk glacial lakes in the Tibet Autonomous Region was announced by the Chinese Academy of Sciences and the Chengdu Institute of Mountain Hazards and Environment of the Ministry of Water Resources. Glacier meltdown from the rivers of the Tibetan Plateau flowing through the bulk of Asian's largest populated areas could threaten the food, water, and security of billions of people. In addition, floods could triple across the lower riparian countries of Tibet's rivers.

Drones Strike Training in Tibet striked down the "Enemy"

April 8 A certain unit of the Tibet Military Region conducted Drone Strike Training in an unfamiliar area at 4600 meters as the reconnaissance aircraft moved forward, guiding the drones to strike at the 'enemy' firepower points. This training required the completion of various tactical operations such as precision strikes, trench searches and suppression, the pursuit and suppression of remaining enemies, unmanned and anti-unmanned combat, and coordinated strike operations to test the unmanned combat capability.





Tibet's Medog Border County test-flies drones Enhances logistic delivery in borders

April 8

Tibet Medog test-flies drones to explore new low-altitude logistics delivery model.

From April 2 to 5, Tibet Yizhou Technology Co., Ltd., in cooperation with express logistics companies, carried out drone logistics distribution, agricultural and sideline product transportation, aerial inspections of tea gardens, automatic forest patrols, road traffic control and other low-altitude application multi-scenario test flights and tests under the coordination of the Medog County Government.



B NEWSLETTER April 2025

China's Great Energy Loot of Tibet

April 11

The Tibet Power Exchange Center, under the coordinated organization of the Beijing Power Exchange Center, successfully facilitated the monthly transaction of green electricity from Tibet to Jiangsu and Anhui in April, with a transaction volume of 11.58 million kWh. This is the first time that Tibet has achieved the transmission of green electricity to Jiangsu and Anhui with the help of the Sichuan-Tibet AC channel and the Jinsu DC transmission project.

China is building Energy manufacturing capacity in the Tibetan plateau via solar, hydropower, and other energy-producing mediums and plundering it back to mainland China via the West-East Energy Transfer Project.

Integration of Simulation and Real-life Training by Plateau Aviation Forces.

An Army Aviation brigade of the 76th Army Group innovated new pilot training methods based on three-dimensional offensive and defensive strategic requirements using a flight simulator & 3axis gimbal. While also conducting training with Plateau-oriented aviation forces such as the Chinese Z-10 (WZ-10) attack helicopter and Mi-17 (Mil Mi-171) utility helicopter on the plateau areas.

April 12

♂ 微博视频号



Drone Operations has become compulsory for **Plateau's Driver Training** April 12

A brigade under the PLA Ground Force's 77th Group Army conducted comprehensive driving training of wheeled and armored vehicles with Drones as part of a new mandatory skillset.

Unlike in the past, the PLA's drivers are now required to master the use of compact UAVs (such as the DJI Mavic 2, seen in footage) to conduct reconnaissance on unfamiliar routes. This initiative aims to enhance route planning autonomy and situational awareness among vehicle operators, reflecting the PLA's push toward greater integration of commercial drone technology in tactical field operations.

April 2025

Witness the SAMS of 77th Group Army

April 12



An Air Defense Unit of a Certain Brigade, possibly Air Defense Brigade or Combine Arms Brigade of the 77th Army Group, conducted a live-fire tactical exercise with Chinese HQ-17A short-range air defense (SHORAD), HQ-16, HQ-9 (HongQi-9) long-range surface-to-air missile (SAM) system. The terrain shown in the images depicts a mountainous area, suggesting high altitude deployment or testing in Tibet or Xinjiang.

China's Strategic Transport Y-20 Pilots conducted readiness training April 13

A unit of the Western Theater Air Force organized multiple Y-20 fighters to carry out day and night flight training for subjects such as tactical training and qualification modification. After arriving at the target airspace, the pilots completed training such as simulated engine failure landing and high-angle circling.





TAR's Cyber and Informatization Committee meeting prioritized "dual-use integration".

April 14

The 'dual-use integration' of network security and national security was the highlight of the meeting of the Cyber Security and Informatization Committee of the Tibet Autonomous Region Party Committee held on April 14th. The authorities agreed to actively advance the modernization of our network security systems and capabilities to build a stronger and more resilient cybersecurity framework that prioritizes national security.

April 2025

An Engineering Unit of TMR's Operations

April 14 Recently, an engineering unit of a certain Engineering and Chemical Defense brigade of the Tibet Military Region conducted mineclearing and obstacle-clearing drills in unfamiliar areas. The Mine Clearing Line Charge system landed accurately in the center of the minefield to detonate the mine, the rocket blaster dragged the blasting belt, and the blasting belt rolled and exploded as a safe passage was successfully paved.

National security people's defense line in Tibet: An Orweillan Design

April 15

Recently, on the occasion of the tenth National Security Education Day, the autonomous region's national security agency commended three people in the region who called the national security agency's 12339 citizen reporting hotline to report suspicious situations endangering national security and were identified as having made important contributions by the Ministry of National Security.

The autonomous region's national security people's defense line created to create an Orwelian style surviellance, where Tibetans are encourage and compelled to spy on eachoter by the "National Security Law of the People's Republic of China", "Counter-Espionage Law of the People's Republic of China", "Reward Measures for Citizens Reporting Acts Endangering National Security", "Measures for the Implementation of the National Security Law of the People's Republic of China in the Tibet Autonomous Region", and other laws and regulations.





China's Dead Weight at Altitude: The Type 05 Has No Place in Plateau Warfare

April 15

A Combined Regiment of the Xinjiang Military Region conducted a live-fire shooting assessment across day and night, with multiple firearms, multiple types of ammunition, and multiple weapons, including a PLL-05 (also known as Type 05) self-propelled gun-mortar system on a snowy plateau at an altitude of more than 4,300 meters. Several shells whizzed out and hit the accurately, effectively improving target the comprehensive firepower strike capability of the troops. The Type 05 series was developed primarily for amphibious landings and maritime littoral combat, but may suffer from mobility limitation, s leading to reduced engine performance and maneuverability in such conditions.

April 2025



The Integration of Drones in the Tibet Fire Rescue Corps

April 16

The Tibet Fire Rescue Corps completed the first phase of the training of composite wing drone operators. After 22 days of systematic training, 18 trainees from Tibet passed the CAAC mediumsized drone captain license assessment.

The training is closely designed accordingly to the characteristics of emergency rescue in the plateau, focusing on the practical needs of communication guarantee and fire fighting and rescue under the extreme conditions of the plateau.

The Tibet Fire Rescue Corps will carry out the second and third training sessions and highaltitude and cold-weather adaptability training safely and with high quality, further focus on transforming training results, continue to deepen the construction of plateau UAV teams, and strive to build an "air-ground integrated" modern emergency rescue system.



A Unit of Xinjiang's mass training with China's most advanced MBT centered around war support

April 16

A unit of the Xinjiang Military Region conducted a mass training competition with hundreds of officers and soldiers competing fiercely in more than 40 subjects, including wartime support, combat physical fitness, and professional skills with the ZTZ-99A main battle tank.

The ZTZ-99A is designed for Plateau warfare and was designed for rough terrain, high-power engagements, and operates better in the thinner air of high altitudes due to its powerful engine and armor.



The PAFD: Grassroots Armed Forces in Tibet are upgrading April 17



The People's Armed Forces Department (PAFD) of the Guro (Ch: Orlo) town of Karuo district demonstrated an upgraded duty room and combat readiness equipment warehouse. The recent trend shows that the PAFD in Tibet is rapidly developing towards modernising and incorporating the newest technology, such as drones and the latest modernised weapons in exercises, drills, and logistics operations.

The county-level People's Armed Forces Department, abbreviated as the Armed Forces Department or People's militias, is a military organization established by the army in counties, county-level cities, and urban districts that manages militias, national defense mobilization, military training, and reserve force construction.

The PAFD also increasingly supports the strengthening of the military-civil fusion development strategy.

A Border Unit demonstrated border reconnaissance operations with a multi-regional drone



A certain border defense regiment of the Xinjiang Military Region conducted high-altitude, multi-regional drone flight training in unfamiliar areas along the border. During the drone flight training, the high-definition camera carried by the drone, probably the ASN-206/207 Reconnaissance UAV, conducted comprehensive and no-dead-angle monitoring of the border line, and sent back clear images in real time, allowing officers and soldiers to grasp the dynamics of the border promptly.

April 18

April 2025

China's Artificial Rain experimental plan on Three Major Rivers with Large UAV April 21



The meteorological department of Qinghai Province stated that in 2025, the large UAVs such as the "Wing Dragon" human-shaped UAV will continue to carry out artificial rainfall (snow) experiments in the Three major River sources (Yellow River, the Yangtze River, and the Lancang River), explore new models of precise operations of large UAVs on the plateau, and provide solid guarantees for the ecological security of the Three Rivers Source.

The "Wing Dragon" human-shaped UAV used for artificial rainfall in Qinghai has the capacity of a long flight range, a large mission payload, and a high practical ceiling. It can adopt the "detection and spreading" method to implement precise and efficient artificial weather modification operations.

This model has been carrying out artificial rainfall (snow) operations and meteorological emergency support operations in areas including the Qilian Mountains, Panzhihua, western Guizhou, the Qinghai-Tibet Plateau, and the western Sichuan Plateau. It has given full play to the important role of human-shaped operations in ensuring water resources security and ecological security

A Review Meeting on mountain offensive training in a battalion of a brigade of the Tibet Military Region

April 21

Members of the battalion's Party Committee of a brigade of the Tibet Military Region organized a Mountain Offensive Training meeting. The meeting was centered around summarizing and reflecting, speaking openly about their shortcomings, and motivating officers and soldiers to carefully find the key and difficult issues that affect the improvement of the troops' combat effectiveness.

During the meetings, the soldiers spoke, "We must improve the assault speed of the troops in high-altitude areas," and "We must further improve the accuracy of weapon shooting".



Military training camp for hundreds of Tibetan youths begins in Lhasa

April 24



A military training camp for 100 Tibetan teenagers under the initiative titled "Building Dreams on the Snowy Frontier and Setting Sail for Young Military Spirits" was launched in Lhasa, sponsored by the Communist Youth League of the Tibet Autonomous Region Committee and hosted by the Tibet Youth Practical Education Base.

The activity is based on military training and national defense education, with retired soldiers serving as instructors. Basic training, such as queue, physical training, housekeeping, and field training with military doctrine was organized.

Battlefied Construction and Obstacle clearing Vehicles on the plateau



April 25

A certain unit (Possibly the Engineering and Chemical Defense Brigade) in the Tibet Military Region organized mass mobilization for the 2025 spring equipment seasonal maintenance inspection, deployment, and seasonal maintenance work.

Aside from inspection and deployment of multiple ZTZ-99A (also called Type 99A), the other military vehicles also included several engineering vehicles such as Heavy Engineering Vehicles, "armored mine-clearing vehicles" resembling WZ701 Mine-Clearing Vehicles, and also PLA Armored Engineering Excavators representing a focus on mining, obstacle clearing, Battlefield construction and repair.



China's largest hypower station in the Tibetan Plateau to begin producing electricity toCentral China regionApril 25



On April 25, the entire hydro-turbine generator of the first unit of the Huadian Jinshang Yebatan Hydropower Station, the highest-altitude hyperbolic arch dam power station under construction, was successfully installed. The largest hydropower station in the Sichuan-Tibet section of the upper reaches of the Jinsha River marked that the unit has fully entered the formal installation stage of the turbine, laying the foundation for the first batch of units to be put into operation and generate electricity by the end of 2025.

As per Chinese official news, the clean electricity generated will be sent to the central China region for consumption through a large-capacity hydro-photovoltaic complementary DC transmission channel - the Jinshang to Hubei ±800 kV DC transmission project, injecting strong impetus into promoting China's green and low-carbon energy transformation.

After completion, the average annual power generation will be 10.205 billion kilowatt-hours.

Drones used for Sowing Seeds: North and South Mountain Greening Project



April 27

In order to promote the North and South Mountain greening project, the local authorities in Tibet actively innovated and promoted the technology of transporting saplings by drones, which has greatly improved the efficiency of greening work. The use of drones can quickly and accurately deliver saplings to designated areas. The sapling transportation work got completed within a few hours by the drones.



World's highest altitude Wind Power project construction in Tibet ramps up

April 25



The construction of the world's highest wind power project, known as the Tibet Huadian Shannan Qiongjie 60MW wind power project, has achieved a breakthrough with the foundation of the project's No. 3 wind turbine successfully cast in an extreme environment at an altitude of 5,370 meters.

This key new energy project in the Tibet Autonomous Region, located in Qiongjie County, Shannan City, close to the Indian border, is undertaken by China Power Engineering Group Kunming Survey and Design Institute Co., Ltd. After completion, the annual online power generation is expected to reach 162.74 million kWh.

Underground Defense Construction at the Tibet Military region's Headquarter

April 29

A Military Unit in Lhasa City of TAR conducted a feasibility survey on constructing 5 units of smart security and 1 unit of underground defense construction.

Notably, there has been increased construction of underground facilities within military installations across Air Force bases, Border bases, and ground force headquarters in Tibet and Xinjiang.



Out of Breath and Out of Morale at the Tibet's Border

Chinese soldiers stationed at the Tibet Border, especially in the Ali Prefecture bordering the Indian States of Ladakh and Uttarakhand, are famously known as the most difficult places for soldiers and continuously suffer from the harsh terrain and climatic conditions. Regardless of the technological and infrastructure development across the border areas, Mother Nature remains the mightiest challenge for the soldiers, whose morale dwindles.

A military unit in the Ali Prefecture of TAR recently announced the procurement of 18 high-altitude oxygen stations, citing growing needs for oxygen chambers and facilities in the border areas. The increasing numbers of the Oxygen stations could be indication of growing presence of border Defense Forces.

Over the past years, the Chinese People's Liberation Army (PLA) has attached great importance to oxygen support for troops on plateaus. It has continuously increased investment in funds, equipment, and manpower, thereby achieving better support for the oxygen demand.



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