

## GBP Showcases Biotech Potential at Advantage Assam 2.0 Summit

GBP actively participated in Advantage Assam 2.0 – Investment and Infrastructure Summit 2025 held on 25th February 2025, focusing on investment avenues in biomanufacturing and biofoundries, and positioning Assam as a hub for sustainable bio-industrial growth through the implementation of the BioE3 (Economy, Environment & Employment) Policy.

Key highlights of the summit included:

- Panel discussion on “Biomanufacturing and Biofoundries: Leveraging BioE3 Policy for Assam’s Roadmap”, opened by Shri Keshab Mahanta, Hon’ble Minister, STCC Dept., GoA.
- Distinguished panelists included Dr. Alka Sharma (DBT, GoI), Dr. Manish Diwan (BIRAC), Mr. Rajiv Gandhi (FICCI Gujarat), Mr. G.S. Krishnan (ABLE), and Mr. Subramani Ramachandrappa (Fermbox Bio). The session was moderated by Dr. Swapnil Sinha, CEO, BioNEST, IITG, with a vote of thanks by Shri Pallav Gopal Jha, IAS.
- Networking with global investors, startups, and industry leaders.
- Visit to GBP and BioNEST facilities at IITG.
- MoU exchange between Science Technology and Climate Change Dept., GoA and 13 prominent biotech investors.
- GBP signed an MoU with Assam Startup – The Nest, in the presence of Shri Pijush Hazarika, Hon’ble Minister, GoA.

The summit marks a pivotal step towards accelerating Assam’s bioeconomy by fostering innovation, infrastructure, and investments in the biotech sector, with GBP at the forefront of this transformative journey.







## BioE3 Policy Implementation Meeting

A high-level meeting on the BioE3 Policy (Biotechnology for Economy, Environment, and Employment) and its implementation was held on 27th January 2025, organized by the Science, Technology & Climate Change Department, Assam. The event brought together leading academicians, industry experts, scientists, researchers, and government representatives to drive biotechnology-led growth in Assam.

The discussions, graced by Dr. Rajesh S. Gokhale, Secretary, DBT, GoI, Dr. Alka Sharma, Senior Adviser, DBT, Dr. Amit Kumar Tripathi, Scientist 'D', DBT, Shri Ravi Kota, IAS, Chief Secretary, Assam, and other dignitaries, focused on biodiversity-based innovations, food & fragrance biotechnology, freshwater technologies, and space tech applications.

Assam aims to be the first state to implement the BioE3 Policy with a State-Specific Action Plan and a dedicated State BioE3 Cell for seamless coordination among industries, academia & government bodies. Guwahati Biotech Park proudly participated in this visionary initiative!



## Inauguration of Biofloc & Laboratory Facility at BICFA, Guwahati Biotech Park

Guwahati Biotech Park inaugurated the Biofloc and Laboratory Facility under the Business Incubation Centre in Fisheries and Aquaculture (BICFA) on 7th January 2025. The event was graced by Shri Sagar Mehra, Joint Secretary (Inland Fisheries and Administration), Ministry of Fisheries, Government of India, in presence of Shri Deba Kumar Mishra, ACS, CEO, GBP & DC Kamrup.

The ceremony began with a welcome address by Shri Deba Kumar Mishra, followed by a briefing from Dr. Bula Choudhury, Senior Scientist & PI, BICFA. Highlights included the unveiling of the BICFA Calendar and a Training Manual on Ornamental Fish Farming & Aquarium Setup. An interactive session followed, engaging startups, experts, and representatives from IITG, AAU, EDII, NECTAR, NRDC, ICCO, GU, Department of Fisheries (GoA), and regional fish farmers. Shri Sagar Mehra shared insights on central schemes and initiatives to support fisheries and aquaculture in the region, stressing collaboration and innovation. GBP thanks all dignitaries, incubatees, and stakeholders for their participation, reaffirming commitment to sustainable growth in fisheries and aquaculture.





## Diagnostic Study Meeting on Assam Biotechnology Policy (2022-2027)

Guwahati Biotech Park hosted a Diagnostic Study Meeting on Assam Biotechnology Policy (2022-2027) on January 22, 2025, bringing together leading experts to assess the policy's impact and explore future opportunities. The discussion featured esteemed experts, including Dr. Bidyut Kumar Sarmah (DBT-NECAB, AAU Jorhat), Dr. Purnima Sharma (BCIL, New Delhi), Dr. Jaideep Baruah (ASTEC & Assam Energy Development Agency), Dr. Proboodh Borah (AAU Khanapara), Dr. Vinod Kumar Joshi (BCIL, New Delhi), Faiza Sultana & Popy Sonowal (NEDFi). This insightful session included a brainstorming discussion with GBP incubates and startups, fostering new ideas for biotech innovation in the region.



## BRICS Youth Council Entrepreneurship Pre-Consultation Meeting

Shri Deva Kumar Mishra, ACS, Chief Executive Officer, GBP, was invited as the Guest of Honour at the BRICS Youth Council Entrepreneurship Pre-Consultation Meeting held at IIT Guwahati. The event, themed "Empowering North East India: Youth Innovation for Sustainable Growth and National Connectivity," was a remarkable initiative organized under the Ministry of Youth Affairs and Sports in association with the Global Counter Terrorism Council. Additionally, Dr. Bula Choudhury, Senior Scientist, GBP, played a crucial role as a jury member in adjudicating innovative startup ideas at the Idea Challenge Competition.





## International Biomanufacturing Summit 2025

GBP participated as an organizing partner in the International Bio-manufacturing Summit 2025, held on 10th–11th January 2025, jointly organized by Northeast India Scientific and Entrepreneurial Diaspora (NEISED) and Gauhati University. The summit aimed to explore opportunities and challenges in establishing bio-manufacturing industries and startups in Northeast India, fostering meaningful dialogue between global industry leaders, policymakers, and funding agencies. The event featured panel discussions, investor-entrepreneur meets, poster sessions, startup product exhibitions, and an elevator pitch segment. A key highlight was the session on “Guwahati Biotech Park and its Role in Entrepreneurship” delivered by Dr. Bula Choudhury, Senior Scientist, GBP, showcasing GBP’s ongoing contributions to the region’s startup ecosystem. The summit emphasized the potential of biomanufacturing to drive economic and social development in the region, while addressing the challenges of industrial growth in the Northeast.



## MoU with B. Barooah College

We are pleased to share that GBP has signed a MoU with the Department of Zoology, B. Barooah College, Guwahati on 3rd March 2025 to promote academic and research collaboration, skill development, and entrepreneurial opportunities for students. Present during the MoU exchange were Dr. Mridul Kr. Borthakur, Dr. Diganta Choudhury, Dr. Archana Borah, Dr. Anurupa Goswami, and Ms. Barsha Sarma from B. Barooah College, along with Shri Rakesh Thakur, Administrator, and the scientific team from GBP. The MoU will facilitate training programs, internships, faculty development and exchange programs, workshops, seminars, and entrepreneurial initiatives, reinforcing GBP’s commitment to capacity building and innovation in the region.





## GBP Participates in Science Fair at Assam Sahitya Sabha Adhibeshan 2025

GBP participated in the Science Fair held during the 2025 Biennial Session of Assam Sahitya Sabha at Pathsala from January 31 to February 4, 2025. This first-of-its-kind initiative by Assam Sahitya Sabha marked a historic step in integrating science with the region's rich literary tradition. As part of the Science, Technology & Climate Change Department, Govt. of Assam, GBP showcased select innovations and scientific products from its flagship initiatives — the Business Incubation Centre for Fisheries and Aquaculture (BICFA) and NIDHI-PRAYAS. The Department's stall attracted large footfalls throughout the event, with visitors showing keen interest in the range of scientific models, prototypes, and product displays. GBP's participation underscored its continued commitment to promoting innovation and scientific awareness in the region.



## Industry-Academia conclave at Gauhati University

GBP team, comprising Dr. Bula Choudhury (Senior Scientist) and Dr. Rajiv Ch Dev Goswami (Research Associate), participated in the 5th Industry-Academia Conclave organized by the Department of Biotechnology, Gauhati University on March 24, 2025. The event brought together academicians, scientists, industry experts, government officials, entrepreneurs, and students, along with GBP's resident incubatees, AGT Biosciences and Zymolent Biosciences. Highlights included a panel discussion on "Exploring opportunities for Industry-Academia cooperation for employment leading to Implementation of BioE3 policy" and an ideation competition, "BioQuest Axom", showcasing innovative departmental research





## Visit by Dr. Rajesh S. Gokhale, Secretary, DBT

GBP had the honour of hosting Dr. Rajesh S. Gokhale, Secretary, DBT, Government of India, on 27th January 2025, accompanied by Dr. Alka Sharma, Senior Advisor, DBT, and Dr. Amit Tripathi, Scientist D, DBT. The delegation was warmly received by Shri Pallav Gopal Jha, IAS, Secretary, Science, Technology & Climate Change Dept., GoA, Shri Deba Kumar Mishra, ACS, CEO, GBP, Shri Rakesh Kumar Thakur, ACS, Administrator, GBP, and the GBP team.

Dr. Gokhale engaged with GBP officials and incubatees, encouraging them to harness GBP's infrastructure to drive global impact through biotech innovation. We are grateful for the visit and the valuable guidance shared, which further motivates GBP's mission to foster cutting-edge research and entrepreneurship in the region.



## Visit by Dr. Alka Sharma, Senior Advisor and Dr Amit Tripathy, Scientist D, DBT

On 10th January 2025, GBP had the honour of hosting Dr. Alka Sharma, Senior Advisor, DBT, GoI, and Dr. Amit Kumar Tripathi, Scientist D, Health & Wellness, DBT. The dignitaries were warmly received by Shri Deba Kumar Mishra, ACS, CEO, GBP, Shri Rakesh Kumar Thakur, ACS, Administrator, GBP, and the GBP team. During their visit, the DBT officials toured GBP's laboratory facilities, incubatee modular labs, and workspaces, interacting with several startups and incubatees. The visit fostered a lively brainstorming session involving the DBT team, GBP officials, and regional entrepreneurs, inspiring fresh ideas and innovative thinking.

Dr. Alka Sharma shared valuable insights on nurturing entrepreneurship in the Northeast and offered strategic suggestions to further strengthen the region's startup ecosystem. Her guidance reaffirmed the importance of DBT's continued support in advancing innovation-led growth in the region.





## Visit by Dr. Vibha Dhawan, Director General, TERI

Dr. Vibha Dhawan, Director General, The Energy and Resources Institute (TERI) and Dr Dipankar Saharia, Senior Director, Social Transformation & Strategic Alliance and Administrative Services & Regional Centres, TERI visited GBP on 29<sup>th</sup> March, 2025. During the visit, a fruitful brainstorming discussion held among Dr Dhawan, Dr Saharia and GBP team for future joint ventures, where the Dr Dhawan shared valuable insights and suggestions to boost the spirit of entrepreneurship in NER. The expertise and capability of the TERI team is definitely going to be an advantage for GBP to promote entrepreneurship in the state.



## Demo Day of Cohort 5 of Assam Startup the Nest



Dr Bula Choudhury, Senior Scientist, GBP was a part of the Demo Day (Graduation Ceremony) of Cohort 5 of Assam Startup the Nest as a Panelist and Jury Member and interact with the promising startups for North East alongside Additional Chief Secretary to the Government of Assam, Shri B Kalyan Chakravarty and Additional Secretary to the Government of Assam and MD of AIIDC and Assam State Bamboo Mission, Dr. P Uday Praveen took part and shared thoughts on the Incubation and Entrepreneurship ecosystem in Assam.

## Scientific talk on HPTLC

Dr Saurav Dey, Scientist ,GBP delivered an engaging and informative talk on "HPTLC (High Performance Thin Layer Chromatography)" on 26th March 2025, at Girijananda Chowdhury University as part of the two-day workshop "Advanced Instrument Handling for Drug Discovery and Development". The session, held under the DST-FIST Project, provided participants with valuable insights into the principles, instrumentation, and applications of HPTLC in modern drug discovery and development processes.



## Panel Discussion on Bio-Incubators at North East Bio Incubators Conference 2025



GBP participated in a dynamic panel discussion on "Opportunities and Challenges of Bio-Incubators in the North East Region" during the North East Bio Incubators Conference 2025 held at NIPER-Guwahati. The session focused on key strategies and funding opportunities to support the long-term sustainability of bio-incubators in the region. Dr. Bula Choudhury, Senior Scientist, GBP, was among the distinguished panelists, along with Ramjee Pallela (COO, AIC-CCMB), Dr. Krishna Undela, Dr. Sanjay K. Banerjee (NIPER-Guwahati), and Kankan Jyoti Kharghoria (Assam Startup).



## GBP Team Participates in “Pharma Anveshan 2025” at ADBU

A team from Guwahati Biotech Park, comprising Dr. Bula Choudhury, Dr. Saurav Dey, and Dr. Rajiv Ch Dev Goswami, participated in a one-day seminar, “Pharma Anveshan 2025”, held at Assam Don Bosco University, Tepesia Campus on 9th March 2025. The event was organized by the Institute of Pharmacy, ADBU, with the theme “Entrepreneurship & Startups in Pharma and Pharmacy Practice.” The inaugural session featured dignitaries including Dr. Montukumar M. Patel (President, Pharmacy Council of India), Dr. Jose Palely (VC, ADBU), and other eminent guests from across Northeast India. Dr. Bula Choudhury delivered a talk on the BioE3 policy for bioentrepreneurship and biomanufacturing in the region. In a panel discussion on entrepreneurship in pharma industries, Dr. Saurav Dey and Dr. Rajiv Ch Dev Goswami shared insights on startup opportunities and recent government policy initiatives.



## Training program on Animal Cell Culture and Imaging

A two-day training program on “Animal Cell Culture and Imaging” was jointly organized by GBP and NIPER-Guwahati on 17th-18th January 2025 at GBP. Participants from across the Northeast actively engaged in sessions covering cell isolation, sub-culturing, imaging, quantification, and cell line handling. The hands-on training gave them valuable exposure to advanced instrumentation and lab techniques. Dr. Purusottam Mohapatra, DBT Ramalingaswami Fellow, NIPER-G, along with his research team, conducted comprehensive sessions on animal cell culture techniques. Dr. Bula Choudhury, Senior Scientist, GBP, led a practical session on confocal microscopy, while Dr. Rajiv Ch Dev Goswami, Research Associate, GBP, introduced participants to GBP’s analytical instruments. The training also included live demonstrations of confocal and fluorescence microscopes, FACS, biosafety cabinets, and CO<sub>2</sub> incubators, along with a guided tour of GBP’s state-of-the-art facilities.





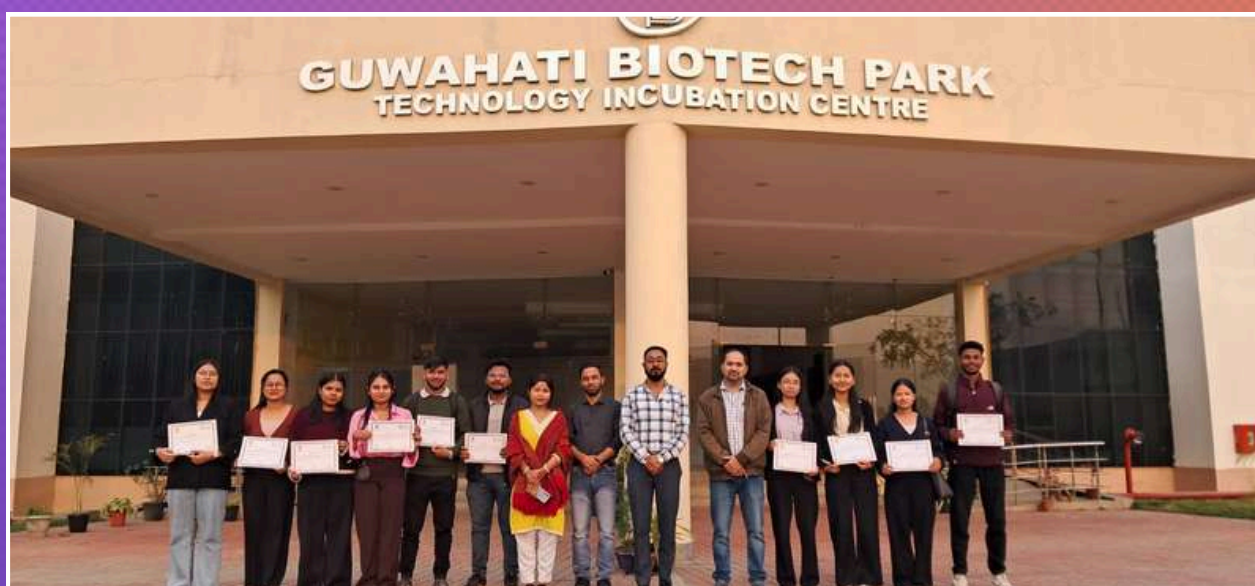
## Training program on Animal Cell Culture and FACS Analysis

GBP in collaboration with NIPER-Guwahati, organized a Training Program on Animal Cell Culture and FACS Analysis on 27-28 March 2025 at GBP. Researchers and students from various institutions actively participated, gaining hands-on experience in cell isolation, sub-culturing, imaging, quantification, and FACS operation. The program began with opening remarks by Dr. Bula Choudhury, Senior Scientist, GBP, emphasizing the importance of animal cell culture and its applications. Dr. Purusottam Mohapatra, DBT Ramalingaswami Fellow, and his team conducted both theoretical and practical sessions. Mr. Amit Banerjee and Mr. Biswajit Dutta from BD Life Sciences led the FACS training, explaining the working of the analyzer and sorter with live demonstrations. The program concluded with a tour of GBP's facilities, led by Dr. Rajiv Ch Dev Goswami, RA, GBP.



## Training program on Bioinformatics

A Two-Day Training Program on Bioinformatics was held at bioinformatics facility of Guwahati Biotech Park on 17th-18th February 2025. The program covered key bioinformatics concepts, including sequence alignment, molecular docking, computer-aided drug design, and pathway analysis, equipping participants with essential skills for research and innovation. The students were immensely benefited by the training program conducted by Dr. Prajjalendra Barooah, RA, GBP.





## Skill Development Training Programme on Aquarium Setup for Ornamental Fish-keeping (third chapter)

A two-day Skill Development Training Programme on Aquarium Setup for Ornamental Fish-keeping was organized at BICFA at GBP on 7th and 8th January, 2025.



The training program at BICFA, GBP began with a welcome address by Dr. Bula Choudhury, Senior Scientist & Project Investigator. The first day featured a theory session on “Aquarium Details and Maintenance” by Mr. Pushpak Roy, GM, Satsoma – The Aquarium Shop, followed by a hands-on session led by Mr. Diponkur Bordoloi and Mr. Abinash Kalita of BICFA. Mr. Roy also demonstrated aquarium accessories and equipment. On the second day, Mr. Diponkur Bordoloi conducted a session on “Aquarium Making and Indigenous Ornamental Fishes”, followed by Dr. Rajiv Ch Dev Goswami, CO-PI, BICFA, who introduced participants to GBP’s analytical equipment. The program concluded with a guided tour of GBP and practical lab sessions at BICFA.

## Training on Pearl Culture Techniques

BICFA in collaboration with Cotton University, conducted a two-day Pearl Culture Training Program at Guwahati Biotech Park on 12–13th March 2025. Participants from across Assam joined the program to learn about freshwater pearl farming techniques and its business potential. The event began with opening remarks by Dr. Bula Choudhury, followed by addresses from Prof. Arup Kr. Hazarika and Er. Harjit Nath. Key sessions included talks on aqua-preneurship, surgical techniques in pearl culture, and business fundamentals, led by experts like Dr. Akalesh Verma, Mr. Anish, and Mr. Trailukya Dutta. Practical demonstrations were conducted by Dr. Verma and his research scholar Mr. Saddam Hussain. The program also featured a tour of GBP’s facilities, led by Dr. Rajiv Ch Dev Goswami and Mr. Diponkur Bordoloi, and concluded with a session on IP and tech transfer by Mr. Abinash Kumar (NRDC). The training equipped participants with valuable skills for pursuing careers in pearl farming and aquaculture entrepreneurship.





## INTERNSHIP



Ms Pompei Gogoi, PhD research scholar, from Department of Botany, Rajiv Gandhi University, Arunachal Pradesh and Ms Ishita Ilahi, MSc student, from Department of Botany, University of Science and Technology, Meghalaya for successful completion of their internship program on "Herbal Extraction, Phytochemistry & Antioxidant analysis along with Microbial Assays" under supervision of Dr. Bula Choudhury, SS, GBP and Dr. Rajiv Ch Dev Goswami, RA, GBP



Ms. Parismita Barman, Department of Bioengineering & Technology, Gauhati University, completed her two week internship under the guidance of Dr. Saurav Dey, Scientist, GBP, and Dr. Prajjalendra Barooah, RA, GBP. Her internship focuses on herbal extraction, profiling, and phytochemical analysis, contributing to research in natural product development and biotechnology.

Ms Ajanta Thapa, Ms Vehsina Chinthongpi, Ms Protyusha Roy from Department of Zoology, Assam Don Bosco University, Tepesia, Kamrup have successfully completed their internship work on "Herbal extraction & phytochemical profiling and microbial techniques" related to few medicinal plants of North-East region at GBP, under supervision of Dr Bula Choudhury, SS, GBP and Dr Rajiv Ch Dev Goswami, RA, GBP.





## Exposure Visits

### Department of Biotechnology & Bioinformatics, NEHU

A group of students along with faculty members from Department of Biotechnology & Bioinformatics, NEHU, Shillong, visited our TIC, GBP facilities as a part of an exposure visit on 28th March, 2025. During the visit, students were introduced to GBP equipment and laboratory facilities along with modular laboratory division. The visiting students observed the working of various scientific research instruments and their analytical aspects available at GBP.



### NETES Institute of Pharmaceutical Sciences

On 28th March 2025, students from the NETES Institute of Pharmaceutical Sciences visited GBP. During their visit, the students explored our cutting-edge biotech and pharmaceutical research facilities, gaining hands-on exposure to high-end instrumentation, incubation spaces, and advanced R&D infrastructure. The team was provided with an informative tour of GBP instrumentation facilities and were delighted to see all laboratory facilities including Packaging unit, green house, cold room etc. The students interacted with our scientific team including our interns, project scholars, resident incubates about various scientific and entrepreneurial activities on going at GBP.

### LCB college Guwahati

On March 21, 2025, fourth-semester Computer Science students from Lalit Chandra Bharali College, Maligaon, visited GBP. The students interacted with the GBP scientific team, gaining insights into entrepreneurship, training programs, internships, and project opportunities at the Park. They showed keen interest in GBP's instrumentation and sample analysis services, and explored prospects for skill development in high-end analytical tools used in biotechnology.





## Biswanath College

MSc Botany students from Biswanath College, visited TIC, GBP on 25<sup>th</sup> March, 2025, for an exposure visit and one day training program on herbal extraction and demonstration of chromatography techniques. The students interacted with our scientific team including our interns, project scholars, resident incubates about various scientific and entrepreneurial activities on going at GBP. The visiting students observed the working of various scientific research instruments and their analytical aspects.



## Department of Biotechnology, Gurucharan College

On March 4<sup>th</sup>, 2025, BSc 3<sup>rd</sup> semester students from the Department of Biotechnology, Gurucharan College, Silchar, Cachar, Assam visited GBP for an educational tour. The students explored various facilities including instrumentation labs, modular labs, Green House, Cold Room, Packaging Unit, and Biofloc and aquaculture units. They also observed the functioning of analytical instruments at CAIF and interacted with interns, project scholars, and incubatees, gaining firsthand exposure to ongoing research and entrepreneurial initiatives at GBP.



## Educational Visit under Bharti Airtel Foundation's Quality Support Program

On a special initiative under the Quality Support Program of Bharti Airtel Foundation, an educational exposure visit to GBP was organized in collaboration with Samagra Shiksha, Kamrup, Assam. Students from 16 partner schools across Kamrup district participated in the visit, which was aimed at offering young learners from classes 8 and 9 a first-hand experience of the world of biotechnology research and innovation. The enthusiastic group explored various facilities at GBP and got insights into cutting-edge scientific equipment and processes.





## Gadebari ME School, Kamrup Assam

On 15th February 2025, a group of 50 students and faculty members from Gadebari ME School, Kamrup, Assam visited TIC GBP. The students were given a comprehensive tour of GBP's key facilities, including the equipment lab, modular laboratories, Greenhouse, packaging unit, Biofloc facility, and cold room



## 76th Republic Day Celebration

On the occasion of the 76th Republic Day, Guwahati Biotech Park participated in an exhibition organized by the Office of the District Commissioner, Kamrup, Assam at the North Guwahati College Ground. Shri Chandra Mohan Patowary, Hon'ble Minister, Environment and Forest, Govt. of Assam, attended as the Chief Guest along with Shri Diganta Kalita, Hon'ble MLA, Kamalpur, Shri Hemanga Thakuria, Hon'ble MLA, Palashbari, Shri Deba Kumar Mishra, District Commissioner, Kamrup, Shri Ranjan Bhuyan, SP, Kamrup, Shri Hemanta Choudhury, OSD to CM were also present on the occasion.



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