



Pakistan Atomic Energy Commission

ATOM NEWS

Issue No. 124

An In-house Newsletter of Pakistan Atomic Energy Commission

November - December 2025

Christmas Eve Celebration at PAEC Headquarters



PAEC Chairman cuts a cake with Christian employees on Christmas Eve with Members of the Commission

In line with the longstanding tradition of Pakistan Atomic Energy Commission (PAEC) to celebrate diversity and foster inclusivity, a graceful Christmas Eve celebration was held at PAEC Headquarters on December 24, 2025. The event was organized to honor and acknowledge the contributions of Christian employees of PAEC, reflecting the organization's deep respect for religious harmony.

The ceremony commenced with a cake-cutting event, symbolizing joy, unity, and shared celebration. Christian employees of PAEC HQs gathered in a warm and congenial environment, where festive greetings and goodwill gestures were exchanged. The occasion was further complemented by refreshments, providing an opportunity to interact in a pleasant atmosphere.

A particularly meaningful aspect of the event was

the presence of Chairman, PAEC, along with honorable Commission Members, who joined the celebration as a special gesture of solidarity and encouragement. Their participation underscored the top management's commitment to inclusiveness and their genuine appreciation for the contributions of the employees.

To further recognize the dedication, sincerity, and valuable services rendered by Christian employees, special Christmas grants were distributed among them during the ceremony.

The Christmas Eve celebration at PAEC HQs once again highlighted the compassionate and inclusive vision of the top management, strengthening bonds among employees and reaffirming PAEC's commitment to harmony, respect, and collective progress.



Chairman PAEC giving special Christmas grants to Christian employees on the occasion

SNSTC China Delegation Visits ICCC to Strengthen R&D Collaboration



A group photo of the Chinese delegation with DG (ICCC) and other officials

A five-member delegation from the State Nuclear Security Technology Centre (SNSTC), China, headed by the Deputy Director General, visited the Instrumentation Control & Computer Complex (ICCC) on November 21, 2025.

The visit formed an integral part of the ongoing collaboration between Pakistan Atomic Energy Commission (PAEC) and SNSTC to strengthen cooperation in areas of mutual scientific and technological interest.

During the visit, the Director General, ICCC, briefed the delegation on the institute's core competencies, technical expertise, and major projects undertaken by its various directorates.

The SNSTC officials acknowledged the quality of

work being carried out and commended the skills and contributions of ICCC professionals.

A subsequent one-hour meeting provided an opportunity for detailed discussions on prospective research and development avenues for future collaboration. Both sides expressed keen interest in expanding joint efforts in emerging technological domains.

Following the meeting, the delegation, accompanied by the DG ICCC, toured the Display Hall.

The DG provided an overview of ICCC's products, ongoing initiatives, and completed projects. He also addressed a range of technical queries posed by the SNSTC officials, reflecting the delegation's strong interest in ICCC's capabilities and accomplishments.

Capacity Development in Sustainable Pest Management: NIBGE Hosts International Workshop



A group photo of the workshop participants with Deputy Director NIBGE and the Chief Guest

National Institute for Biotechnology and Genetic Engineering (NIBGE) successfully organised the 1st One-Day International Workshop on “Molecular Approaches for Sustainable Insect Pest Management” on November 20, 2025. The workshop was convened by Dr. Muzammil Sattar, Principal Scientist, Agricultural Biotechnology Division (ABD), and marked the launch of a planned annual workshop series aimed at strengthening capacity building and fostering scientific exchange in sustainable insect pest management.

The event was chaired by Dr. Samina Iqbal, Chief Scientist and Deputy Director, NIBGE, and was graced by the Chief Guest, Dr. Arshad Makhdoom Sabir, Chief Scientist and Director Entomology, Ayub Agriculture Research Institute (AARI).

Dr. Sabir appreciated the initiative and commended the organiser for the informative, well-

structured lectures delivered throughout the workshop.

A total of 65 participants attended, representing a wide range of universities and research institutions across Pakistan. The workshop also achieved notable international outreach, with participants joining online from China, Oman, and Saudi Arabia.

Participant feedback reflected a high level of satisfaction with both the scientific content and overall organization. Suggestions for future editions included extending the workshop to two days and incorporating hands-on training sessions.

Overall, the workshop was conducted successfully, laying a strong foundation for regular annual workshops at NIBGE dedicated to advancing sustainable insect pest management through modern molecular approaches.

International Day of Medical Physics Observed at AECH, DINAR

International Day of Medical Physics was observed on November 18, 2025, at Atomic Energy Cancer Hospital (AECH), D.I. Khan Institute of Nuclear Medicine and Radiotherapy (DINAR), bringing together a vibrant gathering of healthcare and academic professionals. The event saw active participation from the Director of DINAR, medical physicists, physics students, and faculty members from various local institutes, reflecting a shared commitment to advancing the field of medical physics.

The celebration featured a series of informative lectures and interactive discussions, focusing on the critical role of medical physicists in healthcare, particularly in areas such as diagnostic imaging, radiation therapy, and patient safety. Participants engaged enthusiastically, exchanging ideas and

gaining deeper insights into the latest developments and challenges in the profession.

The programme concluded on a highly positive note, successfully promoting awareness of the medical physics profession while encouraging continuous learning and professional motivation among attendees. The event underscored the importance of collaboration between academic institutions and healthcare organizations in nurturing the next generation of medical physicists.

Overall, the celebration not only honored the contributions of medical physicists but also served as a platform for knowledge sharing, inspiring innovation, and strengthening the professional community in the region.



Group photo of the participants with Director DINAR on the occasion

PAEC Foundation Holds Hunargah Annual Expo 2025

PAEC Foundation held Hunargah Annual Expo from December 11 to 12, 2025, at PAEC Rest House, Islamabad. Handicraft products from Hunargah were displayed and offered for sale through a variety of stalls representing Nilore, Chashma, Jauharabad, D.G. Khan, Faisalabad, and Karachi, along with contributions from Roshni School, Chashma, and AECHINMOL, Lahore.

The Expo was inaugurated by Begum DG SPD, in the presence of Begum Chairman PAEC and other

distinguished guests. During their visit, the guests shared keen interest in the exhibits and appreciated the quality, craftsmanship, and creativity of the products on display.

Visitors commended the wide and diverse range of handicraft items.

The event was warmly received by participants and attendees alike and was also appreciated at higher management level.

IAEA–Pakistan Physical Protection Upgrades Enter Phase-III



Dr. Akhtar Hussain signing the contract on behalf of PAEC; Member Science (PAEC) and others look on as witnesses to the ceremony

The IAEA–Pakistan Nuclear Security Cooperation Programme, initiated in 2005, supports Pakistan in strengthening physical protection arrangements at nuclear and radiation facilities, alongside sustained capacity building in nuclear security.

Building on Phase-I progress, Phase-II extended upgrades to twelve PAEC facilities in 2019.

The programme has now entered Phase-III, which will implement physical protection upgrades at four PAEC facilities: PARAS, NIFA, NIAB, and GINUM. The Physical Protection Division (PPD) of DOS played a pivotal role in the development, review, and approval of the project initiation documents, including the Operational Requirements (OR) and Statement of Work (SoW).

The IAEA contract for the physical protection upgrades at PARAS, NIFA, NIAB, and GINUM was

prepared and mutually agreed upon by all four contracting parties—PAEC, PNRA, the IAEA and the contractor. The contract was formally signed on December 9, 2025, at the office of the Member (Science).

The signing was carried out by Dr. Akhtar Hussain, Director Coordination to Member (Science), on behalf of PAEC, in the presence of Dr. Shakeel Abbas Rofi, Member (Science); Mr. Muhammad Abbas, DG (DOS); Dr. Shazia Fatima, DG (NMO); Dr. Muhammad Yussouf Saleem, DG (Agri & Bio); and Mr. Waqas Mehmood Butt, Manager (PPD).

This milestone marks a significant step forward in enhancing the physical protection infrastructure of PAEC facilities and reaffirms Pakistan's continued collaboration with the IAEA to strengthen nuclear security nationwide.