



NESPAK

NEWSREPORT

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Green Yakeen

A Bold Step Towards a Greener, Sustainable Pakistan



Mr. Zargham Eshaq Khan, Managing Director, NESPAK, inaugurating the event

In a landmark move towards environmental restoration and sustainability, Green Yakeen, an ambitious plantation drive under the Heal Pakistan initiative, was inaugurated on World Forest Day.

The inauguration was led by Mr. Zargham Eshaq Khan, Managing Director, NESPAK, Mr. Ahsan Anwar, Executive Vice President and Ms. Ambrin Sipra, CEO, Synergy Inc., alongside senior officials from NESPAK.

Also present was Mr. Jamshaid Faisal Janjua, the strategic curator of Heal Pakistan and Project Manager of various mega initiatives across Pakistan. The event also saw a strong show of support from the private sector, with Mr. Faraz, Head/Director PMO, Packages Group, attending as a Guest of Honor.

Mr. Zargham Eshaq Khan reiterated NESPAK's unwavering commitment to green infrastructure and sustainability-driven initiatives. "With projects like Green Yakeen, we are not just building landscapes; we are shaping a future where sustainability is at the core of development," he remarked.

The event culminated in a symbolic plantation ceremony, where stakeholders reaffirmed their commitment to a greener Pakistan. Green Yakeen sets the stage for more public-private partnerships, leveraging corporate and institutional expertise to drive environmental change.

Diamer Basha Dam Project

14th Board of Management Meeting

The 14th meeting of the Board of Management (BOM) of the Diamer Basha Consultants Group (DBC) Joint Venture was held at NESPAK House, Lahore on February 24, 2025. The meeting was attended by Mr. Zargham Eshaq Khan, Managing Director NESPAK; Dr. Tahir M. Hayat, Chief Executive (DBC), NESPAK and Mr. Muhammad Jehan Zeb, General Manager/Head of the GT&GE Division, NESPAK.

The DBCG Joint Venture comprises NESPAK (Pakistan), ACE (Pakistan), MMP (Pakistan), MWH/Stantec (USA), POYRY/AFRY (Switzerland), and DOLSAR (Turkey), with NESPAK serving as the Lead Firm.

The BOM sessions were chaired by Mr. Michael F. Rogers, Chairman of the BOM (DBC). During the meetings, comprehensive briefings were delivered by the Chief Executive (DBC), Project Manager, Design Team Leader, and Site

Staff, covering the current status of the Diamer Basha Dam Project. A detailed virtual session was also conducted with the Contractor to assess ongoing construction progress and address key project-related challenges.

Subsequently, the BOM presented its

findings to the Chairman WAPDA and other senior officials on February 28, 2025, at WAPDA's Mega Hydrel Complex, Islamabad. In this meeting, Lt. Gen. (R) Sajjad Ghani, Chairman WAPDA, was briefed by Mr. Michael F. Rogers and other BOM members on the project's progress, challenges, and key milestones.

Chairman WAPDA appreciated the dedicated efforts of the Consultants and stressed the importance of successfully completing the project while upholding the highest standards of quality and professionalism.



Board of Management (DBC) Members and other officials during 14th BOM Meeting at NESPAK House, Lahore

"HEAL PAKISTAN"

Green Sustainability and Climate Change conference held



Mr. Zargham Eshaq Khan, Managing Director, NESPAK inaugurating the conference at NESPAK House Lahore



Mr. Zargham Eshaq Khan, MD NESPAK along with Mr. Ahsan Anwar, Executive VP NESPAK and Mr. Jamshed Janjua, Project Manager at the conference

NESPAK, in strategic partnership with Synergy Inc., successfully organized the two-day HEAL PAKISTAN Conference from March 12 to 13, 2025 at PC Hotel, Lahore. The campaign was officially inaugurated at NESPAK House, Lahore, by Mr. Zargham Eshaq Khan, Managing Director and President of NESPAK. Later, he welcomed esteemed guests at the PC Hotel, where the conference took place. In his opening remarks, he emphasized the critical need for environmental sustainability and proactive measures to combat climate change.

Ms. Ambrin Sipra, Chief Executive Officer of Synergy Inc., addressed the audience, presenting key insights on the topics "App Demonstration – A Digital Leap for Environmental and Infrastructure Integration" and "Technology and Sustainability—Bridging the Gap Between Policy and Practice."

Keynote addresses were delivered by prominent stakeholders. The high-level conference brought together policymakers, environmental experts, urban planners, and industry leaders to discuss the country's most pressing climate and sustainability challenges. Through collaborative discussions, policy dialogues, and strategic planning, the initiative aims to chart a path toward a climate-resilient Pakistan, ensuring both environmental sustainability and economic viability.

Key focus areas of the conference:

- Climate adaptation strategies to mitigate environmental risks
- Sustainable infrastructure and resilient urban development
- Green energy solutions and carbon reduction policies
- Eco-driven economic models and circular economy approaches

NESPAK Develops Enterprise Software Solution for LESCO

The Software Engineering Section of NESPAK has successfully developed an enterprise-level software solution for the Lahore Electric Supply Company (LESCO), incorporating GIS, MIS, and a mobile application.

LESCO has begun field surveys using the NESPAK-developed mobile app to digitise and map its distribution network. The collected data is integrated into the

Enterprise GIS for conducting load flow analysis and calculating losses across high-tension (HT) and low-tension (LT) distribution networks significantly enhancing operational efficiency and decision-making.



NESPAK Project Manager briefing LESCO Chief Engineer (P&D) and Planning Team on developed Enterprise Software Solution

Operationalisation of New Gwadar International Airport

The Pakistan Airports Authority (PAA) hosted the official inauguration ceremony of the New Gwadar International Airport on January 20, 2025. The event was presided over by the Federal Minister for Defence, Khawaja Muhammad Asif, and attended by a distinguished gathering, including senior civil and military officials, representatives from PAA, and members of the Airport Security Force (ASF).

During the ceremony, shields and certificates were presented to key officials

from PAA and the project's consulting teams, both Chinese and Pakistani, in recognition of their significant contributions to the successful completion of the project. The initiative was led by Mr. Majid Ali Memon, Chief Engineer, NESPAK Karachi Office, who served as the Project Manager, with Mr. Ziauddin Salman fulfilling the role of Engineer/Resident Engineer at the project site.



Mr. Ziauddin Salman, ER/RE NESPAK, receiving certificate of appreciation from Mr. Khawaja Muhammad Asif and Ziauddin Salman during inauguration ceremony of New Gwadar International Airport



Officials of Pakistan Airports Authority and Consultant Team



NESPAK PMC team with Chinese Consulting Engineers, PAA Project Management Unit along with operation team of Pakistan Airports Authority

Allama Iqbal International Airport, Lahore



Site inspection being conducted by the DG PAA

The Director General of the Pakistan Airports Authority (PAA) visited the project site of the Expansion of Passenger Terminal Building and Allied Facilities at Allama Iqbal International Airport, Lahore on January 31, 2025, to monitor construction progress. During the visit, the Project Director (AIIAP), PCAA, along with the Engineer's Representative from NESPAK, Mr. Muhammad Saud Barakzai, briefed the delegation on the project's status and pace of work.

An earlier site inspection was conducted on January 11, 2025, by Mr. Syed Munawwar Abbas, General Manager/Head Karachi Office, as part of NESPAK's ongoing efforts to ensure adherence to design specifications, assess construction quality, and monitor safety compliance.

Pakistan Airports Authority's High-Rise Headquarters Approved

The Capital Development Authority's (CDA) Design Vetting Committee (DVC) formally approved the architectural design of the Aviation Complex—set to serve as the Headquarters of the Pakistan Airports Authority (PAA)—during its meeting held on March 27, 2025. The meeting was chaired by Dr. Muhammad Khalid Hafiz, Member (Planning & Design), CDA, and attended by senior officials from both CDA and PAA.

The proposed high-rise development is strategically located along Jinnah Avenue in Islamabad's Blue Area. The iconic structure will comprise six basements, a ground floor, and 25 upper storeys, encompassing a total covered area of approximately 1.25 million sq.ft. A rooftop heliport is also part of the design.

The facade features an elegant composition of flowing curved lines, symbolising motion and energy, accentuated by light blue-tinted glazing. This glazing seamlessly integrates with the natural surroundings and Islamabad's skyline, contributing to a futuristic yet contextually grounded architectural identity that stands out as a bold urban statement.

The design was presented by Mr. Salman Shahid, General Manager and Project Manager, NESPAK Islamabad Office. The forum highly appreciated the proposal for its innovation, contextual relevance, visual impact, and integrated safety features.



Conceptual view of Aviation Complex

LAHORE GETS FIRST FULLY Electric Bus Service



Punjab Chief Minister Maryam Nawaz inaugurating Pakistan's first fully electric bus service

Punjab Chief Minister Maryam Nawaz on February 19, 2025 inaugurated Pakistan's first fully electric bus service, marking a major step towards sustainable urban transport.

The service will operate from Lahore Railway Station to Green Town. CM Maryam became the first passenger, boarding the bus from Punjab University. These state-of-the-art electric buses are a vital move toward reducing carbon emissions and modernizing public transport in the province. The Electro Bus Depot, a key infrastructure component, was expertly consulted by NESPAK and executed by FWO. This initiative reflects Punjab's commitment to sustainable development and clean energy solutions. With this project, a new era of green commuting begins in Pakistan.

At the launch in Expo Center, she digitally launched the pilot project and dispatched the first fleet of electric buses. A special documentary and song on the project were also presented. Punjab Minister for Transport Bilal Akbar announced plans to introduce 500 more electric buses, with upcoming services in Faisalabad and Gujranwala. Lahore will also see two new mass transit systems.

The electric bus route covers key locations, including Haji Camp, Shimla Pahari, Governor House, Ichra, Punjab University, Township Bazaar, and Minhaj University. The service features free Wi-Fi, mobile charging ports, and CCTV cameras to enhance commuter safety.



The Electro Bus Depot, a key infrastructure component, was expertly consulted by NESPAK and executed by FWO.



NESPAK Secures Consultancy for Distributed Solar PV Project in Gilgit-Baltistan

NESPAK has been awarded the consultancy contract for the Government of Gilgit-Baltistan's landmark 100 MWp Distributed Solar Photovoltaic (DPV) initiative. The project aims to enhance energy access, improve reliability, and promote sustainability in one of Pakistan's most remote and underserved regions. This marks a significant step toward building a clean, affordable, and resilient energy infrastructure in Gilgit-Baltistan. The project is structured into three groups:

Group I & II: A combined capacity of 82.2 MWp through ground-mounted solar parks distributed across various districts.

Group III: An estimated 10–30 MWp capacity through rooftop solar PV systems installed on public-sector buildings.

NESPAK's scope of work includes site surveys, feasibility studies (both preparation and review), PC-1 documentation, development of bidding documents, as well as supervision during construction and Operations & Maintenance (O&M) phases. Feasibility studies and PC-1 reports for Groups I & II have been completed and submitted. Preparation of bidding documents is currently underway.

NADRA's Purpose-Built Building at I-8, Islamabad

NESPAK has been providing engineering consultancy services to NADRA since April 2016. Under the comprehensive agreement covering new developments, refurbishments, and existing facilities, twenty (20) projects have been successfully completed, while two (2) projects are currently in the design and construction stages. The total project cost has reached Rs. 3,159 million.

Work on NADRA's first self-constructed "Purpose-Built Building" commenced in March 2025. This flagship project involves the construction of a 3B+G+6 storey building located in Sector I-8, Islamabad, with a covered area of approximately 75,000 sq.ft. The awarded construction cost stands at Rs. 1,392 million.

NESPAK's scope of services includes complete engineering consultancy



3D perspective view of the building at I-8, Islamabad

encompassing civil, plumbing, electrical, firefighting, BMS, HVAC, and elevator works—covering both passenger and car lifts. Specialized components of the project include curtain walls, furniture and fixtures, interior and decorative works, along with advanced digital systems such as communication and conference systems, video wall, CCTV, LEDs, and fire alarm systems.

The consultancy services offered by NESPAK span planning, detailed design using modern techniques, and state-of-the-art architecture, as well as tendering and construction supervision. The project is being led by Mr. Qaisar Abbas Bashir, Principal Engineer at NESPAK's Islamabad Office, serving as the Project Manager.



Excavation works NADRA building site

Kalri Baghar Feeder Upper Phase-I Project

NESPAK is providing construction supervision services for the "Water Requirement for K-IV Project – Improvement of Kalri Baghar Feeder and Keenjhar Lake: Plain Cement Concrete (PCC) Lining of Kalri Baghar Feeder



Mr. Razaquat Ali, General Manager W&A along with CRE and RE inspecting the project site

Upper Phase-I Project." The project involves concrete lining of 190 RDs of the KBFU canal to enhance its discharge capacity to 10,000 cusecs, securing vital water supply to

Karachi via Keenjhar Lake and supporting irrigation needs on the right bank of the Kotri Barrage.

The Rs. 40 billion project began in November 2024 and is scheduled for completion within four years. Chief Engineer (W&A) Mr. Fazal Rehman Kashif is serving as Project Manager, while Principal Engineer (W&A) Mr. Imran Memon is Chief Resident Engineer (CRE). Senior



The Chief Minister of Sindh, Syed Murad Ali Shah, along with Minister for Irrigation, Mr. Jam Khan Shoro & Mayor of Karachi, Barrister Murtaza Wahab, being briefed by Secretary Irrigation, Engineer Zarif Iqbal Khehro

government officials, including the Chief Minister of Sindh, have visited the site and praised the project's quality and rapid progress during the canal closure period. NESPAK's General Manager (W&A), Mr. Razaquat Ali, also inspected the site to review the ongoing works.

NESPAK to Lead Multan International Airport Expansion

NESPAK signed a consultancy agreement with the Pakistan Airports Authority (PAA) on February 14, 2025, for the Master Plan Upgradation and Airside Expansion of Multan International Airport (MIAP). The project involves master planning, expansion of the passenger terminal building, jet apron, link taxiway, and related airside and landside infrastructure. NESPAK's involvement marks a major achievement in the infrastructure and aviation sector, strengthening its role in shaping the future

of Pakistan's aviation landscape.

The project proposal was prepared by Mr. Raheel Ahmed, Principal Engineer and Mr. Muhammad Taha Khan, Senior Engineer from the Project Section, with Mr. Atif Naveed, Chief Engineer appointed as the Project Manager.



Multan International Airport (MIAP)

Foreign Office Quarters at Defence Complex Islamabad

NESPAK's GT&GE Division has secured a prestigious consultancy contract for the "Establishment of Foreign Office Quarters (FOQs)" at Defence Complex Islamabad (DCI). The project, awarded through open competition, received approval for NESPAK's preliminary architectural and conceptual design from the Chief of Army Staff, underscoring its strategic importance.

The contract signing ceremony took place on March 12, 2025, at the office of the Director Works & Chief Engineer, Islamabad. The agreement was formally signed by Mr. Muhammad Jehan Zeb, General Manager/Head of GT&GE Division, and the Director Works & Chief Engineer, DCI.

The scope of services includes master planning, detailed architectural and engineering design, engineer's estimate, and preparation of bidding documents. The project carries an estimated value of Rs. 3.0 billion and marks another significant milestone in NESPAK's continued contribution to high-profile national infrastructure development.



Conceptual view of Foreign Office Quarters at Defence Complex Islamabad

NESPAK Undertakes Feasibility Study and Design of Jabba-2 Dam, Attock

The Irrigation Department, Potohar Zone, Government of the Punjab, has engaged NESPAK to provide consultancy services for the "Feasibility Study and Detailed Design of Jabba-2 Dam Site" in District Attock. The project commenced on March 3, 2025 with a completion timeline of five months.

The Executive Engineer, Small Dams Division, Islamabad, serves as the client's focal person under the Project Director, Circle-I, Islamabad. NESPAK's role includes conducting a feasibility study and preparing detailed design for the proposed dam site, focusing on the Resh Nullah Basin.

The project aims to identify a suitable location for water resource development, emphasizing rainwater harvesting through a small dam or weir. The proposed structure is expected to support agriculture, provide drinking water, and enhance groundwater recharge in the region.



The Project Management team in a group photograph

Linking Thar Coal Mines to National Railway Network

In a major step towards strengthening the country's energy logistics, Pakistan Railways has commenced work on a 105 km single-line rail track connecting Thar Coal Mines (Block-II) to the national railway network at New Chhor Railway Station.

To support the successful execution of the project, Pakistan Railways has awarded the consultancy contract for Project

Management and Construction Supervision to NESPAK. The project, titled "Thar Rail Connectivity with Existing Railway Network from Thar Coal Mines (Block-II) to New Chhor Railway Station (Package-1)", carries an estimated cost of Rs. 50 billion and is scheduled for completion within 18 months.

This strategic rail link will play a vital role in the efficient transportation of coal,

supporting the nation's energy infrastructure and contributing to economic development.



NESPAK Regional Manager Honored



RM NESPAK (R) receiving the award

Mr. Asif Mehmood, Regional Manager of NESPAK Oman, was honored with an award by H.E. Syed Naveed Safdar Bokhari, Ambassador of Pakistan to the Sultanate of Oman, during an annual function organized by Pakistan International Airlines (PIA) on February 11, 2025. The Country Manager of PIA was also present at the event.

The award recognized Mr. Mehmood's exceptional professional contributions and dedicated service in promoting Pakistan's engineering excellence abroad. Ambassador Bokhari praised Mr. Mehmood and NESPAK for their pivotal role in strengthening bilateral cooperation and delivering high-impact infrastructure and engineering solutions in Oman.

Annual Dinner

AZ & Partners LLC hosted its Annual Dinner on January 11, 2025, bringing together distinguished guests, clients, and professionals to celebrate a year of accomplishments, partnerships, and shared progress. Senior officials from NESPAK, including Mr. Asif Mehmood, Regional Manager, represented the organization at the event. The evening provided a warm and engaging atmosphere for networking, reflection, and the strengthening of professional ties.

The Annual Dinner served as a meaningful platform to recognize collective achievements, express appreciation to valued partners, and look forward to new opportunities and continued collaboration in the year ahead.



The participants of the Annual Dinner

Engr. Asif Mehmood Visits NAUE GmbH & Co. KG

Engr. Asif Mehmood, Regional Manager Oman, visited the state-of-the-art manufacturing facilities of NAUE GmbH & Co. KG in Germany — a global leader in geosynthetics, on February 26, 2025. The visit aimed to explore advanced techniques for soil stabilization in Sabkha areas, moving beyond conventional methods that involve replacing weak soil with more suitable material. This approach is expected to significantly reduce both cost and project duration. The visit was part of the ongoing efforts related to the project titled "Consulting Services for Designing Blocks Exempt from Public Benefit in the Special Economic Zone of Duqm."



The RM Oman with other participants of the meeting in Germany



The RM Oman giving a briefing to Design Engineer in Germany

China Communications Construction Company Head Visits NESPAK Oman

Mr. Hu Yaozong, Country Head of China Communications Construction Company (CCCC) in Oman, visited NESPAK's Regional Office in Oman on February 4, 2025. The visit served as a platform for productive discussions focused on

exploring potential collaboration between the two organizations.

During the meeting, senior officials from both sides deliberated on the formation of a Joint Venture for EPC (Engineering,

Procurement, and Construction) contract projects. The dialogue centered on leveraging NESPAK's technical expertise and CCCC's global execution capabilities to jointly undertake large-scale infrastructure initiatives across the region.



Mr. HU Yaozong, Country Head of CCCC, during his visit to NESPAK Regional Office in Oman

Courtesy Meeting

Mr. Asif Mehmood, Regional Manager of NESPAK Oman, held a courtesy meeting with the newly appointed Ambassador of the Islamic Republic of Pakistan to the Sultanate of Oman, H.E. Syed Naveed Safdar Bokhari, at the Embassy of Pakistan in Muscat on January 23, 2025.

During the meeting, Mr. Mehmood extended heartfelt congratulations to the Ambassador on his new appointment and conveyed his best wishes for a successful tenure. He also provided an overview of NESPAK's ongoing

projects and highlighted the company's significant contributions to infrastructure development in Oman.

Ambassador Bokhari appreciated NESPAK's professional presence and impactful work in Oman.



Asif Mehmood, Regional Manager, NESPAK with H.E. Syed Naveed Safdar Bokhari, Ambassador of Pakistan

Kashmir Solidarity Day Observed in Oman

H.E. Syed Naveed Safdar Bokhari, Ambassador of Pakistan to the Sultanate of Oman, along with Mr. Asif Mehmood,

Regional Manager of NESPAK and other distinguished officials and community members, participated in a solemn gathering to mark Kashmir Solidarity Day in Oman on February 5, 2025.

The event served as a powerful expression of unwavering support for the people of Jammu and Kashmir. In his address, Ambassador Bokhari reaffirmed Pakistan's firm commitment to providing diplomatic, moral, and political support to the Kashmiri cause.



H.E. Ambassador of Pakistan to Oman with NESPAK Oman office staff on Kashmir Solidarity Day

Dam Safety Evaluation Project in KSA

NESPAK is providing expert consultancy services for the "Study for Evaluation & Safety of Dams" project in the Kingdom of Saudi Arabia (KSA). The project includes the hydrological assessment of 574 dams, safety evaluation of 40 hazardous dams, development of flood protection plans for 240 locations, physical inspection of 60 dams, and the formulation of generalized dam safety guidelines applicable across various regions.

As part of the ongoing efforts, a team from NESPAK's GT&GE Division, led by Mr. M. Tanvir Abbas, Chief Engineer, conducted a



Team visiting the Aale Dirham Dam in Aseer Region

Best Performance Award



The Best Performance Award being received by NESPAK

NESPAK's Oman Office was honored with the Best Performance Award for the successful and timely completion of the "Construction of Al Jufaina Flood Protection Dam (B6 Dam)" project on February 26, 2025.

Presented by the Ministry of Agriculture, Fisheries, and Water Resources (MAFWR), the award recognizes NESPAK's unwavering commitment to excellence, technical proficiency, and professionalism throughout the lifecycle of this critical infrastructure project.

The Al Jufaina Dam, designed to enhance flood protection and support sustainable water resource management, was executed to the highest standards of quality, safety, and environmental compliance further solidifying NESPAK's reputation for delivering complex engineering solutions under challenging conditions.

detailed site visit to the Aale Dirham Dam in the Aseer Region to assess required rehabilitation works.

Additionally, a joint inspection was carried out in the Madinah region by the GT&GE and Water & Agriculture (W&A) Divisions. The multidisciplinary team, supervised by Project Manager Mr. Khalid Mahmood, with support from Geotechnical Team Leads Mr. Abdul Nasir and Mr. M. Tanvir Abbas, evaluated several key dams including Aqool, Al Ghab, Beedan, Qiran, Malal, Bathan, and Habdooda.

These evaluations are part of NESPAK's broader commitment to enhancing dam safety and water resource management in the Kingdom.

NESPAK Awarded Groundwater Feasibility Study along Nara Canal



Hydrogeologist performing field surveys

NESPAK's Water and Agriculture Division signed an agreement on January 1, 2025 with the Irrigation Department, Government of Sindh, to provide consultancy services for the project titled "Feasibility Study for Evaluation of the Groundwater Potential within 10 km Belt of Nara Canal in Sindh."

The project aims to assess groundwater potential along the Nara Canal and includes a study of the historical Hakro River route. The scope covers analysis of groundwater abstraction impacts on water balance, quality, and regenerated flows supplementing Lower Nara Canal command areas during the Rabi season. Key activities include pumping tests, installation of observation wells to monitor groundwater levels and quality, and evaluation of water gains and losses in the canal.

The study will also examine environmental and socio-economic impacts of groundwater extraction and propose mitigation measures. The Project Manager, along with client representatives, visited the project site, which spans 226 miles from Sukkur Barrage, serving districts such as Sanghar, Mirpurkhas, and Umerkot.



R to L: Mr. Muzaffar Ali, Project Manager, Mr. Ashfaq Nooh Memon, Director Thar Division, Nara Canal and Mr. Shan Muhammad Malah, XEN, Nara Canal Thar Division

Sarfraz Shaheed Block, Rawalpindi

The "Sarfraz Shaheed Block," located on the Tamiz-ud-Din Road, Rawalpindi, was formally inaugurated on March 07, 2025, by Adjutant General Lt. Gen. Azhar Waqas, HI (M). A comprehensive project briefing was presented by Director General Military Intelligence (DG MI), Maj. Gen. Wajid Aziz, HI (M), and Deputy Military Intelligence (DMI), Brig. Jan-e-Alam, outlining the key features of the residential facility.

The apartment block comprises ten four-bedroom residential units, with a total covered area of approximately 53,000 sq.ft. The project, with an estimated cost of Rs. 600 million, was successfully



RtoL: Mr. Muzaffar Ali, Project Manager, Mr. Ashfaq Nooh Memon, Director Thar Division, Nara Canal and Mr. Shan Muhammad Malah XEN, Nara Canal Thar Division

completed within the scheduled timeframe.

The Adjutant General commended the exceptional construction quality and praised the efficient utilization of available space in both the design and execution. NESPAK Islamabad Office provided construction supervision and contract management services for the project, with Mr. Salman Shahid, General Manager, serving as the Project Manager.

Conferencing System for AJ&K Legislative Assembly, Muzaffarabad

A detailed presentation on the interior design and conferencing system of the Azad Jammu & Kashmir (AJ&K) Legislative Assembly Project, followed by a site visit to review construction progress, was held on March 13, 2025, in Muzaffarabad, AJ&K. The design proposals were presented by Mr. Salman Shahid, General Manager and Project Manager, NESPAK.

The meeting was chaired by the Honorable Speaker of the AJ&K Assembly, Ch. Latif Akbar, and attended by several distinguished dignitaries, including Raja Muhammad Farooq Haider Khan, MLA and former Prime Minister of AJK; Khawaja Farooq Ahmed, Leader of the Opposition; Mr. Waqar Ahmed Noor, Senior Minister for Services and General Administration; Mr. Azhar Sadiq, Minister for Transportation and Buildings; Syed Bazal Ali Naqvi,



Briefing of project being delivered

Minister for Social Welfare and Women Development; along with other key stakeholders.

The proposed interior design and conferencing system were highly appreciated by the attendees, who also provided constructive feedback and recommendations. The Chair gave principal approval of the design and directed NESPAK to submit the revised PC-1 for further processing and formal approval by the competent forum.

Academic Block-I at COMSATS University Islamabad, Wah Campus

The inaugural ceremony of the state-of-the-art New Academic Block-I (covering 125,000 sq. ft.) at COMSATS University Islamabad (CUI), Wah Campus, was held on February 22, 2025. The event was graced by Prof. Dr. Sajid Qamar, Rector of CUI, along with Campus Director Prof. Dr. Muhammad Abid, T.I., Project Director Dr. Jawwad Ahmad, other campus directors, and principal officers.



Inaugural ceremony of academic block-I

During the ceremony, the Rector praised NESPAK for its outstanding role in ensuring the timely completion of the project with exceptional quality. He highlighted the innovative architectural design, aesthetic appeal, thoughtful color combinations, and the project's emphasis on space efficiency and sustainability. He also encouraged other committee members to uphold similar standards of

aesthetics and quality in future projects.

The forum collectively appreciated NESPAK's exemplary services as the Design and Construction Supervision Consultant. The consultancy team was led by Mr. Qaisar Abbas Bashir, Principal Engineer at NESPAK's Islamabad Office, who served as the Project Manager.



Comsats University Islamabad, Wah Campus

Solid Waste Emergency and Efficiency Project (SWEEP)

The Solid Waste Emergency and Efficiency Project (SWEEP) is a collaborative initiative between the Government of Sindh and the World Bank, aimed at developing state-of-the-art solid waste management infrastructure for Karachi. The project's current focus is the immediate development of essential infrastructure, including garbage transfer stations and sanitary engineered landfill sites. The core objective of SWEEP is to reduce Karachi's carbon footprint, ensure compliance with international and national environmental quality standards, and ultimately improve the city's overall sanitation index.

A Joint Venture led by NESPAK, in collaboration with M/s LibanConsult AGM and M/s Teknik Tempo, has been awarded the project titled: "The Master Planning, Feasibility Study, Preliminary Design, Detailed Design, and Preparation of Bidding Documents for the Construction of a New Landfill Cell and Allied

Infrastructure at Dhabeji in Sindh, and Construction Supervision for the New Landfill Cell in Dhabeji."

The project involves the planning, design, and supervision of an engineered landfill facility on a 3,000-acre site in Dhabeji, Sindh. The landfill will be designed for an initial operational capacity of 1,500 tons/day for the next 10 years, with scalable provisions to meet long-term waste management demands over a 30-year horizon.

The implementation is divided into two phases: Phase I – Design Phase: Includes master planning, feasibility studies, preliminary and detailed designs, and bidding documents preparation. Expected duration: 10 months. Phase II – Construction Supervision Phase: Involves supervision of construction activities for the landfill cell. Expected duration: 12 months.

Solarisation of PARCO Refinery, Pumping Stations

PARCO has engaged NESPAK to deliver comprehensive engineering consultancy services for the solarisation of its Mid-Country Refinery (MCR) and pumping stations located across Sindh and Punjab. This initiative is part of PARCO's broader strategy to enhance energy efficiency and support Pakistan's transition toward renewable energy.

The project scope includes a detailed feasibility study encompassing key technical evaluations such as load flow and short-circuit analysis, water quality testing, and topographic surveys to identify underground infrastructure, including cables and pipelines.

The techno-commercial feasibility study covers solar system sizing, system design, equipment specifications, and layout planning. Using advanced design tools, NESPAK is developing general plant layouts, PV placement strategies, cabling designs, and earthing and structural details. The study also includes energy yield analysis and financial modeling—factoring in CAPEX and OPEX estimates, sensitivity analysis, and financial indicators such as NPV, IRR, and payback period—to assess the overall viability of the project.

Feasibility reports for five PARCO stations have already been submitted. The remaining report for MCR is currently under preparation.

New Consultancy Agreements Signed by NESPAK

NESPAK's Peshawar Office has signed consultancy services agreements for five new projects with the Communication & Works (C&W) Department, Government of Khyber Pakhtunkhwa. These projects involve a diverse scope of services, including:

Construction supervision for Gynaecology & Cardiology Block in Swat, feasibility study and design services for a tunnel in Lower Dir, Design and construction supervision services for three district jails located in Shangla, Swat, and Upper Dir. These new projects reflect NESPAK's continued commitment to supporting infrastructure development in the region through technical excellence and reliable consultancy services.

Fauji Foundation Hospital, Block-D, Rawalpindi

The Islamabad Office of NESPAK has been entrusted with the detailed architectural and engineering design of Block-D of the Fauji Foundation Hospital, Rawalpindi. Following a series of comprehensive design presentations by the NESPAK team, the conceptual design was formally approved by Lieutenant General Khalid Zia (HI) (M) (Retd.), Managing Director (Welfare), Fauji Foundation.

Block-D is envisioned as a state-of-the-art medical facility, covering an area of approximately 300,000 sq.ft. The new block will house a modern Radiology Department, Gynecology & Obstetrics Complex, Operating Theatres (OTs) and Critical Care Complex, General Wards, and Private Rooms, along with integrated support services and patient amenities. Mr. Salman Shahid, General Manager, Islamabad Office NESPAK has been designated as the Project Manager.

Rehabilitation of Tashkent Thermal Power Plant

NESPAK has successfully completed and submitted the final feasibility reports for the development of a new 560–600 MW Combined Cycle Gas Turbine (CCGT) unit, along with the modernization of four existing power generation units at the Tashkent Thermal Power Plant. The reports were submitted to the client in the last week of March 2025 following a series of detailed discussions and meetings. The preparation of bidding documents is currently in progress.

This prestigious international assignment in Uzbekistan, valued at over USD 0.5 million (approximately PKR 140 million), was awarded to NESPAK in collaboration with M/s DOLSAR Engineering, Turkey. The scope of work included technical inspections of the main and auxiliary equipment of 12 power generating units at the plant. The objective was to develop a comprehensive feasibility study aimed at enhancing the efficiency and reliability of the existing thermal power infrastructure.

NESPAK Secures Shrimp Farm Project

The Water and Agriculture Division of NESPAK has been awarded a consultancy contract for the Technical & Financial Audit, Design Review, Procurement Assistance, and Construction Supervision of the Shrimp Farm Project in Dhabeji, Sindh. NESPAK is the lead

consultant, with M/s Architecture Design Solutions as Sub-Consultant. The project is commissioned by Dhabeji Aqua Foods, Karachi—a venture of Alkaram Textile Group.

The eight-month assignment focuses on the development of an eco-friendly and sustainable aquaculture system for shrimp farming. The project entails careful planning of water supply and drainage facilities, including canals and water



NESPAK Team site visit

control structures. Design considerations are based on site-specific factors such as land size, topography, orientation, and interaction with soil and water. The project site is situated in Dhabeji, about 60 km east of Karachi and 90 km south of Nooriabad. A reconnaissance visit was recently conducted by NESPAK's team led by Mr. Mansoor Ali (GM/Head, W&A Division) and Mr. Murtaza Ali Shah (Project Manager).

ESIA and LARAP Studies

The GT&GE Division of NESPAK is providing consultancy services to National Transmission and Dispatch Company (NTDC) Limited for the Environmental & Social Impact Assessment (ESIA) and Land Acquisition and Resettlement Action Plan (LARAP) studies for three key energy projects: the 220kV Arifwala Grid Station/Transmission Line (GS/TL), 220kV Vehari GS/TL, and 550kV Sialkot GS/TL. These projects are funded by the French Development Agency (AFD) and aim to enhance Pakistan's energy infrastructure. Following the successful completion of the

ESIA studies, the cases were submitted to the Punjab Environmental Protection and Climate Change Department for the necessary environmental approvals.

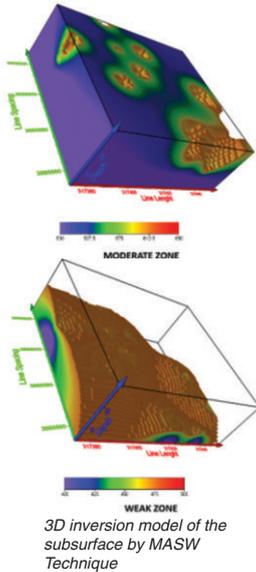
A Public Hearing for the Sialkot Grid Station and Transmission Lines was held in Sialkot on January 2, 2025. The NESPAK team comprising Mr. Hafiz Muhammad Abid Saleem (Senior Engineer), Mr. Ibadullah Khan (Senior Ecologist), and Mr. Waleed Farooq (Environmental Engineer) delivered presentations and responded to stakeholder queries.



ESIA and LARAP Studies being conducted

Expansion of NESPAK Capabilities with 3D Geophysical Services

The Geotechnical & Geo-environmental Engineering (GT&GE) Division has recently introduced 3D interpretation capabilities for the Multichannel Analysis of Surface Waves (MASW) survey. This strategic addition to NESPAK's service portfolio will enable the provision of more accurate and scientifically sound solutions for a wide range of engineering projects.



Site Visit with World Bank

A World Bank delegation led by Ms. Jen Jung Eun Oh, South Asia Practice Manager for Transport, visited the project site of the Karachi Mobility Project – Yellow BRT Corridor, accompanied by senior members of the WB team, including Mr. Lincoln Flor (Senior Transport Specialist), Mr. Hasan Afzal Zaidi (Senior Transport Specialist), and Mr. Muhammad Bilal Paracha (Transport Specialist). They were joined by Mr. Rehan Zamin, General Manager/Head of Infrastructure of NESPAK Karachi Office, who also serves as Project Manager for the NESPAK/DAR JV.

During the visit, Mr. Rehan Zamin provided a detailed briefing on the project's progress. The World Bank team showed keen interest in various design elements and commended the JV for its foresight, coordinated approach, and comprehensive efforts to resolve the project's complex design and integration challenges.

Achievement

Dr. Waqar Ahmad, Senior Dam Design Engineer from the GT&GE Division, was invited as an industry expert to deliver an Industrial Talk at the prestigious I3CES Conference held at the University of Lahore.



Dr. Waqar Ahmad in the middle receiving certificate and shield

His insightful talk, titled "Climate Adaptation and Sustainability in Dam Engineering," explored the integration of climate resilience and sustainability principles in embankment dam design. Drawing upon his extensive experience across national and international dam projects, Dr. Waqar highlighted innovative strategies for future-proofing critical water infrastructure.

STAFF NEWS

NESPAK Organises Diverse Training Sessions

NESPAK conducted a series of dynamic training sessions from January to March 2025, aimed at enhancing professional development, sustainability, and inclusivity. Notable sessions included Mr. Jibran Bashir's talk on leadership and emotional intelligence, Ms. Uzma Mustafa's session on fostering workplace diversity, and Ms. Noureen Arif's insights on combating



climate change. Mr. Haider Imam guided employees through withholding tax obligations, while Mr. Khalid Mahmood

Ahmad explained revenue recognition under IFRS 15. NESPAK staff also received certification in the E-Pak Acquisition & Disposal System (EPADS), streamlining procurement practices. A hands-on disaster response training, conducted in collaboration with Rescue 1122, equipped employees with critical emergency skills. Finally, Mr. Arslan Ahmad introduced Building Information Modeling (BIM) to revolutionize project management in the AECO sector. These initiatives reaffirm NESPAK's commitment to building a skilled, resilient, and forward-looking workforce for both national and international challenges.

PEC Generative AI Training Certification

Mr. Asim Masud, Chief Engineer of the Geotechnical and Geo-environmental Engineering (GT&GE) Division, has successfully earned an international certification as a Generative AI Application Developer. This certification follows the completion of an intensive six-week training program held from December 1, 2024, to January 12, 2025.



The training was organized by the Pakistan Engineering Council (PEC) in collaboration with Pak Angels (Silicon Valley, CA, USA), iCodeGuru (USA), and Aspire Pakistan. It featured a comprehensive curriculum that included expert-led lectures, practical coding sessions, multiple quizzes, and a final Hackathon focused on real-world AI-driven solutions. Mr. Asim Masud was awarded the "Skilled Performer" certificate in recognition of his dedication and successful completion of the program.



Promoted

Mr. Ahsan Anwar, Vice President Human Resources (HR) Division, was elevated to the position of Executive



Vice President/Head HR Division on February 13, 2025. In addition to this new role, he has also been appointed as the Convenor of the Board of Management.

We extend our heartfelt congratulations to Mr. Ahsan Anwar on this well-deserved achievement and wish him continued success in his expanded leadership responsibilities.

Academics

Mr. Abdul Rashid, Section Head Training & Development/IT at NESPAK's HR Division, has successfully



completed his MS in Artificial Intelligence from the University of Management and Technology (UMT) with a CGPA of 3.52. Specializing in Natural Language Processing (NLP) and Generative AI, he conducted research on "Emerging Trends in the Adoption of AI Technologies – Transformative Impacts and Strategic Implications for HRM." His work, published in a peer-reviewed journal, offers valuable insights into how AI can enhance HR functions and add strategic value to organizations.

Mr. Ahsan Javed, Senior Engineer at NESPAK's BS-New Ventures Division, has completed his Master's in



Mechatronics Engineering from the College of Electrical & Mechanical Engineering, NUST, Islamabad. He has significantly contributed to research, publishing a high-impact article in Web of Science titled "Reliability Analysis of CRAC System of a Modern Data Center via Kriging Algorithm", offering valuable insights into data center cooling system reliability. Additionally, Mr. Javed co-authored a book published by Elsevier, "Case Study: Implementation of SCADA Interface for HVAC Systems," showcasing his expertise in integrating data acquisition and control systems in HVAC applications.

Mr. Qaisar Abbas Bashir, Principal Engineer at NESPAK's Islamabad Office, has successfully completed his Master's degree in Civil



Engineering from the University of Engineering & Technology (UET), Taxila, with specialization in Soil Mechanics and Foundation Engineering.

In addition to his academic achievement, Mr. Bashir had the honor of presenting his research paper titled "Soil Stabilization using Ground Granulated Blast-Furnace Slag (GGBS)". The paper was accepted for publication in the proceedings of the 4th Pak-Turk International Conference on Emerging Technologies in the Field of Sciences and Engineering, held on November 3-4, 2021.

Retirement

Mr. Nooraz Gul, Chief Engineer at NESPAK's Peshawar Office, retired on February 5, 2025, upon reaching the age of



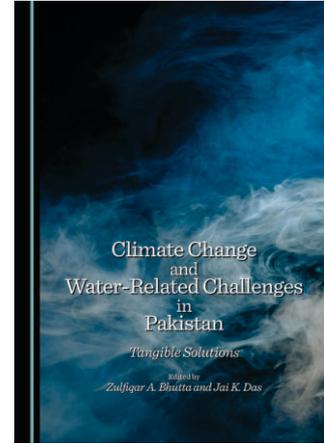
superannuation. His retirement marks the conclusion of a distinguished and dedicated career with NESPAK.

The General Manager/Head of the Peshawar Office appreciated Mr. Gul's valuable contributions and long-standing commitment to the organization. He extended best wishes to Mr. Gul for a fulfilling and joyful post-retirement life.

Publication Achievement

Dr. Tahir M. Hayat, Chief Executive of the Basha Dam Project, and Mr. Jehan Zeb, Principal Engineer in the GT&GE Division, have co-authored a chapter in an internationally acclaimed book published by Cambridge Scholars Publishing, a prestigious academic publisher based in the United Kingdom. Known for its rigorous editorial standards and dedication to innovative research, this publication represents a significant academic milestone.

Chapter 11, titled "Water Resources Development of Pakistan: The Role of Large and Small Dams," is featured in the book



"Climate Change and Water-Related Challenges in Pakistan: Tangible Solutions." The book brings together expert insights from global contributors and addresses critical water-related issues in Pakistan, offering actionable strategies for sustainable water management and climate resilience.

For more information about the book, visit: <https://www.cambridgescholars.com/product/978-1-0364-4073-2>

Farewell and Welcome

The GT&GE Division organized a special farewell and welcome gathering in February 2025 to honor its outgoing Division Head, Mr. Kamran Yousaf, and to warmly welcome his successor, Mr. Muhammad Jehan Zeb.

During the farewell, Mr. Kamran Yousaf reflected on his enriching professional journey from his early days as a Geotechnical Engineer to his leadership role as Division Head. Section Heads and Advisors expressed heartfelt appreciation for his invaluable contributions and

extended their best wishes for his future pursuits. As a token of gratitude, he was presented with a memento and a floral bouquet on behalf of the division.

The occasion also marked a cheerful welcome for Mr. Muhammad Jehan Zeb. He was received with floral bouquets and sincere well wishes from Section Heads and team members, who pledged their full support under his leadership. In his address, Mr. Jehan Zeb thanked the team for the warm reception and expressed his commitment to leading the division towards greater achievements and expanded business opportunities.



Mr. Kamran Yousaf at his farewell



Newly appointed GT&GE Head being welcomed by the staff

NESPAK's month-long sports gala concludes

NESPAK organised sports gala by arranging inter-divisional sports activities in Lahore, Peshawar and Islamabad offices in February 2025. The month long event comprised various sports categories including cricket, football, badminton and table tennis and indoor games like chess and ludo. Interested employees belonging to various Divisions of NESPAK participated in the games of their choice with immense enthusiasm. Indoor games including badminton and table tennis were held on the NESPAK premises while football and cricket matches were held at other venues in the city where NESPAK employees showed their playing talent and outstanding game spirit.

NESPAK Managing Director Mr. Zargham Eshaq Khan was the chief guest of the closing ceremony and he distributed prizes among the top position players in various sports categories. After successful completion of sports gala, the management renewed its pledge to hold such healthy activities on an annual basis.



NESPAK Assesses Waterlogging at Remount Depot, Sargodha



Sr. Engineer NESPAK, Mr. Ahsan Latif during inspection of waterlogged areas with Commandant of Remount Depot Sargodha

Mr. Ahsan Latif, Senior Engineer (W&A), NESPAK, conducted a technical inspection of waterlogged areas at Remount Depot, Sargodha, at the request of the concerned authorities. Accompanied by the Commandant of the depot, the visit aimed to identify the root causes of persistent waterlogging.

Mr. Latif diagnosed key contributing factors and proposed effective mitigation measures to address the issue. The Commandant expressed satisfaction with NESPAK's technical assessment and appreciated the team's proactive and professional approach in tackling critical water management challenges.

Irrigation Minister Visits New Water Resources Building in Quetta

A NESPAK-led joint venture comprising Rahman Habib Consultants (RHC) and Engineering General Consultants (EGC), with Asian Advisory Services (AAS) as sub-consultant, is providing consultancy services for the Balochistan Water Resources Development Sector Project (BWRDSP).

Funded by the Asian Development Bank (ADB), the Rs. 48 billion project spans 5.4 years and aims to improve water infrastructure across Balochistan.

On January 10, 2025, Mir Saadiq Umrani, Minister for Irrigation, Government of Balochistan, visited the newly constructed Water



The Minister for Irrigation, Government of Balochistan, during his visit to the newly constructed Water Resources Building in Quetta

Resources (WR) Building in Quetta. The Project Director briefed the Minister on the project's progress and components. Designed and supervised by the BWRDSP Consultants (NESPAK-RHC-EGC-AAS JV), the building reflects modern, eco-friendly design principles. The Minister expressed satisfaction and acknowledged the contributions of the PMO and consulting team.

Located on Mir Jaffar Khan Jamali Road near Chaman Phattak, the three-storey building includes three data centers, a central library, a conference hall, two elevators, and fire exits on each wing. The structure features a modern façade using low-maintenance materials and open patios to bring natural elements into the workplace.



A view of the newly constructed Water Resources Building in Quetta

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