



NESPAK

NEWSREPORT

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2021

MD NESPAK
Visits Azerbaijan

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MD NESPAK presenting a memento
to Mr. Mikayil Jabbarov, Minister of
Economy, Azerbaijan

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MD NESPAK Visits Azerbaijan

for cooperation in developing recently liberated areas

Dr. Tahir Masood, Managing Director NESPAK, visited Baku, Azerbaijan for business appraisal in June 2021. It was a high profile visit in the wake of rehabilitation of recently liberated areas of Karabakh region in Azerbaijan as there is an opportunity for NESPAK to work there and share development efforts of the brotherly nation of Azerbaijan.

During the visit, MD NESPAK held separate meetings with Mr. Mikayil



MD NESPAK presenting a shield to Ambassador of Pakistan to Azerbaijan

Jabbarov, the Minister of Economy, Mr. Inam Karimov, the Minister of Agriculture and Mr. Ilgar Isbatov, the Chairman of State Committee on Urban Planning and Architecture of the Republic of Azerbaijan as well as senior officials of the Ministry of Energy and Ministry of Ecology. During the meetings, MD NESPAK made presentations highlighting the expertise of their services in the field of Engineering Consultancy. At the meetings, the hosts appreciated the services and experience of NESPAK in the development sector and showed keen interest to engage NESPAK for upcoming projects in Azerbaijan. Ambassador Bilal Hayee accompanied the delegation during all these meetings and highlighted the ongoing warm relationship between the two countries and also desired to enhance the cooperation in the development sector.



MD NESPAK attending a meeting with Azerbaijan Minister of Economy. Ambassador of Pakistan to Azerbaijan was also present

PBIT CEO meets MD NESPAK

Dr. Erfa Iqbal, Chief Executive Officer Punjab Board of Investment & Trade (PBIT), visited NESPAK House, Lahore on June 7, 2021. She was welcomed by Dr. Tahir Masood, Managing Director NESPAK. Matters of mutual interest were discussed at the meeting.



MD NESPAK presenting a shield to Dr. Erfa Iqbal, Chief Executive Officer Punjab Board of Investment & Trade

Academic Block and Examination Center at University of Malakand

Prime Minister of Pakistan Mr. Imran Khan inaugurated an Academic Block and Examination Center at University of Malakand (UoM). NESPAK is providing consultancy services and resident construction supervision for this project. Mr. Muhammad Salman, Principal Engineer of DM&R Division, is the Project Manager. The civil works cost of the inaugurated blocks is Rs. 750 million.



Prime Minister of Pakistan Mr. Imran Khan coming to inaugurate the Academic Block and Examination Center at University of Malakand

Academic & Research Facilities at University of Kotli

Mr. Sardar Masood Khan, President of Azad Jammu & Kashmir (AJ&K) performed the ground breaking ceremony of "New Campus" for University of Kotli (UoK). NESPAK scope of work includes master planning, design and construction

supervision. Mr. Muhammad Salman, Principal Engineer of DM&R Division, is the Project Manager. Mr. Waqas Sheikh is the Architect and Mr. Afzal Hussain is the Resident Engineer for the Project. The cost for civil works is Rs. 989 million.



Mr. Sardar Masood Khan, President of Azad Jammu & Kashmir (AJ&K) performing the ground breaking ceremony

Mangla Refurbishment & Up-gradation Project

NESPAK is administering Mangla Power Station Refurbishment & Up-gradation Project with its Joint Venture (JV) partners MWH International Inc. and ACE Pvt. Ltd. The EPC cost of the Project is Rs. 52,224 million. To date, the contracts for Refurbishment of Power House Cranes, supply of 220 kV main transformers for Units 3-6, supply of new rubber seals for Turbine Inlet Valves for Units 1-6 have

been completed successfully. Design review and site activities pertaining to Contracts for Generator, Turbine, Excitation & Governor systems for Units 1-6, Balance of Plant Mechanical Works, Balance of Plant Electrical & Control System Works and Switchyard are in full swing. Bidding process for supply of Unit 1-2 Generator Step up Transformers is also in progress.

Transmission Line for Interconnection of K-2/K-3 Nuclear Power Plants



Foundation concrete of tower in progress

NESPAK has been providing engineering consultancy services for "500kV Double Circuit Quad Bundle Transmission Line for Interconnection of K-2/K-3 Nuclear Power Plants with 500kV Single Circuit Port Qasim-Matiari



Tower erection in progress

Transmission Line (102km Approx.)" since October 2020. The project is a part of NTDC's overall power development program for strengthening the transmission system, economic development and bringing energy security to the country. The project is scheduled to be completed by April 2022. So far, 25 percent progress has been achieved.

220kV Tarbela-Burhan Twin Bundle Transmission Line

NESPAK has been providing consultancy services as a Joint Venture partner of M/s NEWJEC Inc. for tendering of Package#1: Procurement of Material for 220kV Transmission Line and Package#2: construction of 220kV Transmission Line from Tarbela to Burhan. Bids evaluation reports have been submitted to NTDC for onward submission to donor/JICA. It is expected that both procurement and construction will be started in last quarter of 2021.



Site activities at 220kV Tarbela - Burhan Transmission Lines

Minister visits Orange Line BRT in Karachi



Mr. Owais Ahmad Shah, Minister for Transport and Mass Transit Department, Government of Sindh, visited the project site of Orange Line, BRT on May 22, 2021. Mr. Muhammad Farooq, GM/Head Karachi Division briefed the Minister about the progress and activities of the Project. The Minister applauded the services of NESPAK rendered for the Project. Other officials of NESPAK also accompanied the GM/Head during the visit.

Water and Sewage Networks at University of Karachi

The University of Karachi signed an agreement with NESPAK for providing consultancy services for Water Supply & Sewerage Networks at University of Karachi on June 07, 2021. The project is a part of Karachi University Master Plan-2050 conceived and approved as per overall vision for higher education uplift in the country. The scope of work includes replacement of the main water and sewerage networks of the University area laid 50 years ago along the existing and proposed roads to be constructed as per Karachi University Master Plan-2050. NESPAK has the responsibility of design development, construction supervision, project management, and successful completion by meeting the required scope, time, cost and quality objectives. Ms. Nida Sikander, Sr. Engineer Infrastructure Section, is the Project Manager.

President Initiative for Cyber Efficient Parliament Project

Honorable President of Pakistan, Dr. Arif Alvi held a meeting on progress review of the President Initiative for Cyber Efficient Parliament Project on April 21, 2021. Muhammad Sadiq Sanjrani, Chairman Senate, Mr. Asad Qaiser, Speaker National Assembly, Syed Amin Ul Haque, Federal Minister MoITT, Mr. Shoaib Ahmad Siddiqui, Federal Secretary MoITT, CEO (NITB), DG PMO (NITB) and Project Manager NESPAK along with other officials attended the meeting. NESPAK won this project of information technology consultancy work through an open bidding by National Information Technology Board (NITB), commissioned by the Ministry of Information Technology and Telecommunication (MoITT) in January 2021.

The scope of work comprised preparation of Business Requirement Specification Document (BRSD) for the automation of Ministry of Parliamentary Affairs (MoPA), National Assembly of Pakistan and Senate of Pakistan, along with the combined PC-I Document for all three stakeholders. Mr. Farrukh Fayyaz, Principal Systems Analyst of Building Services Division, is the Project Manager.

At the meeting, Mr. Arif Alvi lauded the efforts made by NESPAK for smooth execution of the project and meeting the stringent deadlines within allocated time. All BRSDs for MoPA, National Assembly and Senate along with PC-I document prepared by NESPAK were deliberated upon. Total cost of the project is approximately Rs.2.0 billion.



From L to R: Mr. Asad Qaiser, Speaker National Assembly, Mr. Arif Alvi, President of Pakistan, Muhammad Sadiq Sanjrani, Chairman Senate along with other officials discussing project outcomes

Construction Supervision of Gujjar Nullah & Orangi Nullah



Mr. Muhammad Farooq, GM/Head Karachi office, visited the Project site. Project Manager, Mr. Mukesh Kumar and Site Representative, Mr. Misbahul Haq briefed GM/Head about the progress and on-going activities at the Project site. The GM/Head showed satisfaction on the services rendered by NESPAK staff for the Project.

GM/Head Karachi during visit to the project site

Construction-Dualisation of Sultan Said Bin Taimur Road



Quality assurance visit to Assarain Concrete Products & Trading LLC

NESPAK continued providing services for the Construction-Dualisation of Sultan Said Bin Taimur Road (NR-32 Southwards) in the Sultanate of Oman. The project consists of a 14km of Dual Carriageway Road and 11 km of Service Roads, starting from end of earlier constructed dual carriageways road at Village Saay and ending at existing Showroom Roundabout near Duqm Airport.

The project having worth of R.O. 23.500 million, commenced on November 08, 2020 and it will be completed on November 07,

2022. The project mainly consists of "Embankment, Sub-Grade, Granular Sub-Base, Aggregate Base Course, BBC, BWC, Drainage Structures, Street Lighting System and Signalized Intersections.

For Quality Assurance, Mr. Asif Mehmood, Resident Engineer, made factory visits with the Employer's Officials for "Amiantit Oman Concrete products LLC, Muna Noor Manufacturing & Trading LLC and Assarain Concrete Products & Trading LLC" for uPVC Pipes, RCC Pipes & Curbstones respectively.

Construction of Dual Carriageway National Road at Duqm

NESPAK submitted complete tender documents for the construction of Dual Carriageway National Road at Duqm to the Employer on May 26, 2021 and upon their successful review & approval, tender was floated on June 14, 2021 for construction work.

The project consists of 03-lanes Dual Carriageway Main Road as well as Service Roads on both sides having a length of 15.267 & 22 kms respectively at Duqm, Sultanate of Oman. The Main Road is crossing natural Wadis i.e., Saay, Jurf and Dangert where three bridges having length of 1.129 km have been designed to ensure all weather road.

Engr. Yahya Khamis Al Zadjali, In-charge of SEZAD, issued a Letter of Appreciation to Mr. Asif Mehmood in the capacity of dedicated and loyal team leader for SEZAD's projects which is pride & honor for an individual as well as our prestigious organisation and it will definitely play a dynamic role to elevate business with SEZAD.

Saudi King Salman approves design of NESPAK for Grand Mosque in Islamabad

Custodian of Two Holy Mosques King Salman Bin Abdul Aziz has approved a NESPAK design for a grand mosque named after him at the new campus of the International Islamic University (IIU) in Islamabad.



Conceptual view of Grand Mosque in Islamabad

Earlier, IIU, Islamabad engaged NESPAK to design "King Salman bin Abdul Aziz Grand Mosque at the New Campus of IIU, H-10, Islamabad. The Mosque will have a huge complex that will also be a hub of research, dialogue and learning where scholars and students will benefit from the facility. The proposed model of Mosque is an exceptional representation of Islamic art and architecture. The Mosque's construction will be a milestone towards achievement of the lofty goals of the University.

There will be an ample capacity in the inner hall of the Mosque where as many as 4000 males and 2000 females will offer prayers, while the open courtyard will also have a capacity to accommodate 6000 people. The project worth US \$32 million will cover an area of 41,200 square meters. There will be a library and a museum, while there will also be a Muhammad bin Salman Auditorium for conferences in the Mosque. The mosque overlooks an outdoor garden of 8,500 square meters, while a parking space of 7,000 square meters has been allocated.

Consultancy Services for Preparation of FESCO's 8th STG Program



FESCO's power distribution network

The Power and Mechanical Division of NESPAK has completed the assignment related to the Preparation of Faisalabad Electric Supply Company's (FESCO's) 8th Secondary Transmission and Grid Stations (STG) Program within the stipulated timeline of 45 calendar days.

Earlier, NESPAK signed the agreement with FESCO on February 23, 2021 for the assignment comprising planning and preparation of FESCO's 8th STG Program to meet the yearly peak load demands up till 2027. The assignment included carrying out feasibility study using industry's leading power system planning software PSS/e for Load Flow and Short Circuit Studies. The EPC cost of the project is Rs. 38 billion.

1180MW RLNG Based Combined Cycle Power Plant at Bhikki

Dr. Muhammad Akhtar Malik, Punjab Minister of Energy, visited Bhikki Power Plant Sheikhpura on May 24, 2021 along with members of Provincial Assembly Khurram Ejaz Chatha, Saleem Laber and Umar Aftab Dhillon. The Provincial Minister of Energy inaugurated various projects of public interest and public welfare in Bhikki

Power Plant. Muhammad Amir Jan, Secretary Energy Punjab and Akhtar Hussain Mayo, CEO QATPL, briefed the provincial minister regarding controlling the electricity distribution system in Control Room.

The 1180MW RLNG Based Combined Cycle Power Plant at Bhikki has been in commercial operation since May 20, 2018. The Taking-Over Certificates were issued to the EPC Contractor on May 20, 2018 and the Project was handed over to the O&M Contractor for the period of twelve years.

The Employer (QATPL) has extended NESPAK services for Defects Liability Period from December 01, 2020 to December 31, 2021 which is extendable to



Briefing to the Provincial Minister of Energy Punjab, Dr. Muhammad Akhtar Malik Secretary Energy Punjab by Muhammad Amir Jan and Akhtar Hussain Mayo, CEO QATPL

further three months till March 31, 2022. During this period, NESPAK's scope of services includes resolution/finalisation of Punch List Items and Outstanding Items of the Project.

Reconstruction & Rehabilitation of Earthquake Affected Areas

Disaster Management & Reconstruction (DM&R) Division, NESPAK has signed the Amendment No. 8 to the consultancy agreement for the Project titled "Reconstruction and Rehabilitation of Earthquake Affected Areas of AJ&K and KP" at Earthquake Reconstruction and Rehabilitation Authority (ERRA) Headquarters, Islamabad. The duration of services under this Amendment is twenty-four (24) months. NESPAK shall continue providing General Consultancy Services to ERRA for reconstruction and rehabilitation works. Mr. Aziz Aslam, General Manager/ Head DM&R Division, is the Project Manager.



Ground breaking of Family Recreational Park adjacent to the Bhikki Power Plant by Provincial Minister of Energy Punjab, Dr. Muhammad Akhtar Malik

1263MW Combined Cycle Power Plant, Jhang

NESPAK has been providing Engineering Consultancy Services as lead consultant for the preparation of tender documents, design review, construction supervision, preparation & evaluation of O&M tender documents etc. of 1263MW RLNG based Combined Cycle Power Plant near Trimmu Barrage at Haveli Bahadur Shah District

Jhang, Punjab and EPC Contractor is M/s China Machinery Engineering Corporation (CMEC), China.

The construction activities of Combined Cycle (ST&STG, its auxiliary systems and related BOP systems) are in progress whereas activities related to Simple Cycle



Aerial View of 1263 MW RLNG Based Combined Cycle Power Plant at Jhang



220kV Switchyard of 1263 MW RLNG Based Combined Cycle Power Plant at Jhang

Operation of the Plant i.e., GT1/GTG1 & GT2/GTG2 along with its all auxiliary systems and 220kV switchyard along with BOP Systems (including firefighting & HVAC systems) are successfully completed.

Project Agreements i.e., Power Purchase Agreement (PPA) with CPPA & Gas Supply Agreement (GSA) with SNGPL have been signed by PTPL. Amendment No. 2 to CECS for additional services till June 2021 has already been signed between PTPL and NESPAK.

Flyover at Shahkam Chowk, Lahore

The Construction Management Division NESPAK has signed an agreement with Lahore Development Authority (LDA) to provide Engineering Consultancy Services for construction of a Flyover & At-Grade Improvement of Shahkam Chowk, Lahore. The Project involving construction of a flyover having a length of approximately 606 m, at grade improvement of 4.5 km at a cost of Rs. 3864 million has been



Syed Imran Waheed, Executive Vice President/Head CM Division, signing the agreement



Shahkam Intersection with proposed Flyover and at grade improvement

awarded to M/s NLC. The construction activities on the project have commenced and the Resident Supervision team lead by Mr. Jamshed Faisal Janjua, Project Manager, has been fully engaged at site. The project duration is 10 months and has to be executed on a fast-track basis.

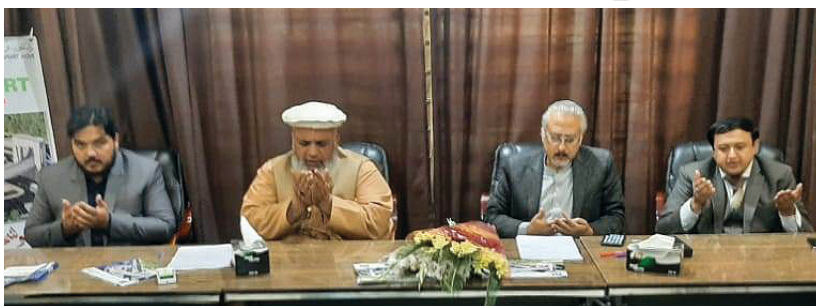
500kV Transmission Lines Interconnection Arrangement



Site activities at 500kV Transmission Line from Suki Kinari and Karot Hydro Power Project

NESPAK has been providing engineering consultancy services for engineering design, preparation of bidding documents and Client's support during tendering stage, design review, contract management, construction supervision, and support necessitated by NTDC in conducting EMP and RAP for 500kV Transmission Lines from Suki Kinari Hydro Power Project to Maira Switching Station. The main objective of this project is to evacuate power from 870MW Suki Kinari, 1125MW Kohala & 640MW Mahi Hydro Power Plants to NTDC's national grid. The line route survey & tower staking activities in the Section from Suki Kinari Hydro Power Plant to Maira Switching Station are in progress and foundation construction work is going to start by early July 2021. NESPAK is also providing services for construction supervision of 3km interconnection of first CPEC Karot Hydro Power Project.

NESPAK signs agreement for Smart Island, Rawalpindi



Mr. Aziz Aslam, GM/Head DM&R Division along with Client offer Dua at the contract signing ceremony

Disaster Management and Reconstruction (DM&R) Division, NESPAK has signed a project titled "Master Planning and Detailed Designing of Smart Island, Chakri Road, Rawalpindi" at Smart Island Office Islamabad. The project is spread over an area of 3000 Kanal and its duration is twelve months. NESPAK services shall include master planning and detailed designing of

Smart Island comprising seismic hazard micro-zonation study, infrastructure design (roads, water distribution network, storm water drainage, sewerage network and electrical distribution network) as well as preparation of tender documents. Mr. Aziz Aslam, General Manager/Head DM&R Division, has been designated as the Project Manager.

Solarisation of Drip & Sprinkler Irrigation System Project

NESPAK Awarded Promotion of High Value Agriculture

The Water & Agriculture Division of NESPAK has been awarded consultancy services of "Promotion of High Value Agriculture through Solarisation of Drip and Sprinkler Irrigation System" project. The contract agreement was signed at Directorate General Agriculture (Water Management), Lahore on April 02, 2021. The project activities include provision of solar systems for operation of drip and sprinkler irrigation system to farmers on subsidized rates. The project will be implemented in the entire province of Punjab. The consultants' role includes review of design, cost estimates and verification of implemented works. The project cost is Rs. 3,678.379 million and the project duration is 27 months.

Public hearing

A Public Hearing was conducted on June 22, 2020 for the Environmental Impact Assessment (EIA) Study of "Extension of Intensive Care Department of Mother and Child Health Centre and Children Hospital, Pakistan Institute of Medical Science (PIMS), Islamabad". Mr. Saqib Rehman, Senior Environmental Scientist GT&GE Division, gave a presentation on the EIA report along with Mr. Waseem Abbas Naqvi, Senior Sociologist, Mr. Ibadullah Khan, Senior Ecologist and Miss Ridha Kamran, Junior Environmentalist. Miss Farzana Altaf Shah, Director General (DG), PAK-EPA and Mr. Shariq Ahmed, Chief Engineer/Head ERSD Section & Project Manager, chaired the Public Hearing. The hearing was attended by different stakeholders and government officials. In the end Mr. Shariq Ahmed replied to various questions raised by the audience.



Public hearing in progress

Final Design Review visit before Execution of Flood Protection Works

A team of NESPAK led by Mr. Hafeez Abdul Rehman, Project Manager from DM&RD, made a combined visit on May 24, 2021 with the Designer and Pakistan Poverty Alleviation Fund (PPAF), the Client of this Project for final design review prior to execution of the recommended Flood Protection Works. Partner Organizations (TRDP, BRD and SWAFCO) of PPAF, which are designers as well for their respective districts, also accompanied the team.

Under the scorching heat, this one-week visit was aimed at assessment of Geo Hazard Scenarios prevailing at site and finalizing suitability of the proposed Mitigation Measures in addition to Rapid Assessment of Hydrological and Geo Technical parameters at the sites of sub-schemes. The visits were conducted in Noshehro Feroz, Dadu and Jamshoro Districts of Sindh and Naseerabad District of Baluchistan.

Packages Limited awards project to NESPAK

Packages Limited has decided to shift its existing business units mainly Business Unit Flexible Packaging (FP), Folding Carton (FC), Consumer Product (CP) and DIC to a new site near Kasur over an area of 100 Acres to meet the supply gaps and future business needs for the next 15 years. New business units including starch plant will also be added at the new site.

NESPAK approached Packages Limited for the project and invited distinguished guests from Packages group including Mr. Rafi Iqbal Ahmad, Ex-General Manager, Mr. Khurram Raza Bakhtyari, Group CFO and Mr. Asghar Abbas, Head Packaging to visit NESPAK. During the visit, a shield was presented to them by Head SED. After successful negotiations the project was awarded to NESPAK on a single source basis.

The scope of project includes master planning of the site, Traffic Impact Assessment Report (TIA), Environmental Impact Assessment Report (EIA) along with the preliminary infrastructural design including water supply and sewerage works, general electrification and firefighting works. Ayesha Faraz, Principal Engineer Structural Engineering Division is the Project Manager.



Mr. Shaukat Qadeer, GM/Head SED, presenting a shield to the Client

NESPAK signs MoU with Punjab University

NESPAK, Water & Agriculture Division and Punjab University, Department of Space Science have signed a Memorandum of Understanding (MoU) to achieve the goal of enhancing satellite sensing applications, geospatial technologies and data development.

Prof. Niaz Ahmad, Vice Chancellor Punjab

University and Mr. Mansoor Ali, General Manager/Head Water & Agriculture Division, signed the agreement at Punjab University Vice Chancellor's office. NESPAK and PU would collaborate on data development of Cadastral data and land use development of Pakistan's major cities. Both institutions would also collaborate for writing joint research papers and publications.



Prof. Niaz Ahmad, VC Punjab University and Mr. Mansoor Ali, GM/Head Water & Agriculture Division, after signing the agreement

Intelligent Transportation System installation at Hakla - D.I. Khan Motorway

NESPAK has been awarded the Contract of "Consultancy Services for design and construction supervision of Intelligent Transportation System (ITS) Installation at Hakla - D.I. Khan

Motorway" by National Highways Authority (NHA). The completion period of the Project is 13 months.

The ITS employs communication and smart technologies to transport networks in order to improve road safety, quality and efficiency. The project aims to deploy CCTV, Video Management System, Weather Information System, LED screens, Electronic Toll Collection, Weigh Station system and fibre optic cable on D.I. Khan - Hakla Motorway. These systems will help in handling emergencies and controlling



NESPAK officials with the Client at the contract signing ceremony

traffic accidents. The mentioned route, 292-kilometre-long motorway, is part of the Western Alignment of the China Pakistan Economic Corridor and will offer high speed road connections between Islamabad-Rawalpindi metropolitan area and southern parts of Khyber Pakhtunkhwa province around Dera Ismail Khan.

NESPAK, SCADA & Telecom Section, P&M Division has so far extended consulting services in Intelligent Transport Systems for multiple national and international projects in collaboration with H&TE Division.

Meeting with Surveyor General of Pakistan

A meeting was held with Surveyor General (SG) of Pakistan at SOP Rawalpindi Office to review the progress of project activities related to Karachi and Lahore Cadastral Mapping Project. Project Managers Khurram Ahmad Khan and Imran Zafar briefed the Client on the overall progress and working of teams on the project. The acquisition of ownership data from housing societies was discussed. The SG expressed satisfaction on the project progress and desired to further expedite the pace of work.



Meeting in progress with Surveyor General of Pakistan

Joint Visit to District Skardu and Ghanche, Gilgit-Baltistan



NESPAK officials during visit to District Skardu and Ghanche, Gilgit-Baltistan

The National Disaster Risk Management Fund (NDRMF) is the regulatory body for releasing funds for all types of Disaster Risk Reduction & Disaster Risk

Management (DRR & DRM) related Projects. Various Govt. & Semi Govt. Line Departments working on DRR & DRM projects now operate through the funds released by NDRMF, accordingly.

Upon request of NDRMF, NESPAK Representative Mr. Hafeez Abdul Rehman, Senior Engineering Geologist / Project Manager DM&R Division, completed a joint visit with GM Projects NDRMF along with the Client's Representative to various Mitigation Schemes located in District Skardu and Ghanche of GB from June 22, 2021 for one week. The purpose was to revisit the design of the proposed mitigation scheme at Sundus near Skardu City along the Left Bank of Indus River prior to its tendering and execution and to get the consent of relevant stakeholders, especially the Chief Engineers of Skardu and Astor, PWD, GB.

The visit of NESPAK representative was also helpful in business promotion related activities as the similar nature of project is launched by the PWD Gilgit-Baltistan for which NESPAK has already submitted an EOI Document and is hopeful in acquiring this assignment.

Chashma Right Bank Canal (lift-cum-gravity) Project

Water & Agriculture Division of NESPAK in a joint venture ranked first in final evaluation of Quality and Cost based selection of Consulting Services for Review of

Feasibility Study, Up-dation of Detailed Engineering Design, Preparation of Bidding Documents & PC-I of Chashma Right Bank Canal (lift-cum-gravity) Project. The project was awarded to a Joint Venture of NESPAK-ACE-Euro Consult and SILT of Nepal.

The Consultants will review previous studies data/ investigations including Detailed Engineering Design already prepared with limited field investigations and propose additionally required data for survey and investigations for the construction of a canal 245 km in length with designed capacity of 68.8 cumecs (2,430 cusecs) to provide, by gravity flow, water for development of a Cultivable Command Area of about 202,430 ha (500,000 acres) situated on right bank of Indus River between Chashma and Taunsa Barrages.

Mr. Mansoor Ali, General Manager/ Head W&A Division, along with other JV partners (ACE and Euro Consult) attended the project signing ceremony held on June 29, 2021 at the Conference Room of General Manager (Hydro) Planning, WAPDA.



The contract signing ceremony

Re-designated

Syed Imran Waheed, Vice President/Head Construction Management Division, has been re-designated as Executive Vice President with effect from 25th May 2021. He has also taken over charge as EVP Technical Coordination.



Paper

Mr. Muhammad Shariq Ahmed, Chief Engineer/Head Environment, Resettlement and Social Development (ERSD) Section GT&GE Division, presented a paper on Biodiversity Management Plans, An Overview of DASU Hydro-power Project and Mr. Ibadullah Khan, Senior Ecologist of GT&GE, presented a paper on Forestry



Resource Assessment and Restoration Plan- A Case of Dry Temperature Forests of Indus Kohistan, KP, on the World Environment Day which was held on 26th June, 2021 at Mushadi Hall Pakistan Engineering Council. The Paper was appreciated by the participants and Mr.

Muhammad Shariq Ahmed was presented a shield by chief guest. The paper will be published in Pakistan Engineering Council (PEC) Journal.

Woman Engineers Committee Membership

Ms. Amenah Arooj, Senior Engineer of Islamabad office NESPAK, has been notified to be the Member of the Women Engineers' Sub Committee (Rawalpindi) by the Pakistan Engineering Council (PEC). The PEC has constituted "Women Engineers Committee" to inculcate motivation in female engineers to review facilities provided for females at workplace; explore opportunities to facilitate employment, internship and entrepreneurship to female; capacity building and skill development; to explore/develop portal for scholarships and research grant opportunities for female engineers etc.

Retirement

Mr. Abrar Ahmed Khan, Executive Vice President/Head Monitoring & Quality Control Division, retired from NESPAK services on January 22, 2021 after reaching the age of superannuation. NESPAK wishes him good luck and prosperous life after retirement.



Syed Tajamal Hussain, General Manager/Head Water & Agriculture Division, retired from NESPAK Service on April 20, 2021 after attaining the age of



superannuation. He joined NESPAK in 1994 and worked on numerous national and international projects. NESPAK acknowledges his service and wishes him best of luck for his future life.

Mr. Zaheer Ahmad Awan, Chief Engineer Water & Agriculture Division, retired from NESPAK service on May 07, 2021 upon attaining the age of superannuation. He joined NESPAK in 1989 and served NESPAK for 32 years. We wish him success and best of luck in his future endeavor.



Mr. Zaheer Ahmad Awan (Middle) receiving the bouquet

Trainings

Professionals of Islamabad Office attended 4 days' each training at Pakistan Planning & Management Institute (PPMI), Islamabad in May and June 2021. Mr. Mukhtar Arshad, Chief Engineer Islamabad Office of NESPAK, participated in the training "Project Management in Public Sector", Mr. Salman Shahid, Chief Engineer in "Microsoft Project", Mr. Ibtesam Rahim Khan, Principal Engineer in "Managing Time and Cost Overrun in Projects Module IV", and Mr. Qaisar Abbas Bashir, Principal Engineer participated in "Project (PC-1) Preparation in Public Sector."

Take charge

Mr. Rizwan Zain-ul-Abedin, General Manager Structural Engineering Division, took charge of Monitoring & Quality Control Division as General Manager/Head with effect from January 25, 2021. NESPAK wishes him good luck on his new assignment.



Upon repatriation of Mr. Kamran Yousaf Kazi, R.M NESPAK Qatar, Mr. Abid Suleman Butt, Chief Engineer Construction Management Division, has taken the charge as Acting Regional Manager NESPAK Qatar with effect from May 26, 2021. NESPAK wishes him good luck on his new assignment.



Mr. Mansoor Ali has been designated as General Manager/Head Water & Agriculture Division with effect from April 28, 2021. NESPAK wishes him best of luck for his new assignment.



Consequent upon retirement of Mr. Muazzam Jamil, Manager General Services (MGS), of Coordination Division w.e.f April 23, 2021, Mr.

Hisham Khalid, Manager HR/IT, of Human Resources Division has taken charge as MGS.

Appointed

Mr. Waqas Khalid Khan has been appointed as Manager Internal Audit with effect from June 07, 2021 in the Audit Section of Finance Division. He is a Member of the



"Association of Chartered Certified Accountants" - ACCA (UK) and a "Certified Information System Auditor" - CISA (USA). He has an overall working experience of more than 10 years in the field of Internal Auditing and possesses an adequate knowledge of audit procedures, planning, and techniques accompanied by practical knowledge and hands-on experience of working in an ERP environment. His areas of expertise include risk-based internal auditing, data analysis, financial, operational, compliance, and LT. auditing. Previously, he worked with the Treet Group of Companies.

NDCC delegation meets MD

A delegation of National Dialogue on Climate Change (NDCC) visited NESPAK House, Lahore for a meeting with Dr. Tahir Masood, Managing Director NESPAK, on June 29, 2021. Ms. Maliha Abbas Zaidi, CEO NDCC, was accompanied by Mr. Zain Tahir, Head, NDCC Lahore Chapter. Senior officials from NESPAK including Mr. Sohail Kibria, Head R&D Cell, Mr. Zubair, VP, E&PHE Division, Mr. Khalid Mahmood, GM, W&A Division, Mr. Shariq Ahmad, CE, ERSD Section, GT&GE Division, Mr. Adil Nazir, Chief Architect, A&P Division and Mr. Yasir Abbas, Principal Hydrological Engineer, also attended the meeting. Deliberations were made to increase cooperation between NDCC and NESPAK on crucial issues of Climate Change and Sustainability. Dr. Tahir Masood presented a souvenir to Ms. Maliha, CEO NDCC as a goodwill gesture. Ms. Maliha also



MD NESPAK presenting a shield to CEO NDCC

presented mementos to the Managing Director and other speakers of Climazone 1.0 and Floodex 2021 organized by M/s. NDCC earlier. She thanked NESPAK for its continuous cooperation for NDCC's agenda of dissemination of knowledge on climate change.

PEC Woman Engineers' Committee Session



Engineer Javed Saleem Qureshi, Chairman PEC, addressing the female engineers of NESPAK

A session of Pakistan Engineering Council (PEC) Woman Engineers was held at Professional Development Centre, NESPAK House, Lahore on June 30, 2021 for the woman engineers working in the organization. Member PEC Woman Engineers Sub-Committee Ms. Sadaf Saeed, Principal Engineer, GT&GE Division, organised the session. Earlier, the PEC established a Woman Engineers Committee in January 2021 with an aim to highlight the role of woman engineers in the development of the nation and address the problems faced by them. The ceremony was graced by the presence of Dr. Tahir Masood, Managing Director NESPAK, Engr. Jawed Salim Qureshi, Chairman PEC, Engr. Ambreen Zaman, Convener WE Committee Punjab, the Chief



Participants of the session

Engineer Pakistan Railways along with her other Committee Members including Dr. Seema Khalid, Convener, Women Engineers Sub-Committee, Lahore, Dr. Sobia Baig and other committee members.

Senior officials from NESPAK including Mr. Sohail Kibria, Head, R&D Cell, Mr. Irfan-ul-Haq, VP, GT&GE Division, Mr. Ahsan Anwar, VP Coordination Division and Mr. Ahmad Said, VP, Business Development Division, also attended the session. The session commenced with opening remarks of Managing Director and Chairman PEC followed by a comprehensive presentation delivered by Engr. Ambreen Zaman in which she elaborated the background, ToRs and activities organized under the umbrella of Woman Engineers Committee. She encouraged the woman engineers working in NESPAK to utilize and play their constructive role for the enhancement of the forum.

Lecture

Human Resource Division (HRD) of NESPAK as a part of Capacity Building of NESPAK Professional staff arranged a Lecture on Introduction of Health Safety and Environment (HSE). Mr. Muhammad Shariq Ahmed, Chief Engineer/Head Environment, Resettlement and Social Development (ERSD) Section of GT&GE delivered the Lecture/Webinar, which was attended by more than 100 participants from various Divisions of NESPAK.

Papers

Mr. Muhammad Tayyab, Senior Engineer W&A Division, presented a paper on "Management of Surface Water Resources to Mitigate the Water Stress in Karachi" at International Conference on Hydrology and Water Resources, organized by the Centre of Excellence in Water Resources Engineering (CEWRE), UET, Lahore. Punjab Irrigation Minister graced the occasion as Chief Guest and the conference was attended by the water experts from 10 different countries. The paper highlighted the natural endowment of extensive water resources in Pakistan and emphasized the need of a paradigm shift in water policy and management on the face of paradoxical nature of increasing water stress and annual wastages in Indus River Basin.



Mr. Muhammad Tayyab Javed, Senior Engineer GT&GE Division, has co-authored a research paper titled "Axial Capacity Evaluation of Rock-Socketed Cast-In-Situ Concrete Piles" based on his MSc. Research with Asst. Professor Dr. Hassan Mujtaba from University of Engineering & Technology Lahore. The paper has been published in American Journal of Soil Mechanics and Foundation Engineering (Impact Factor 0.99) in June 4, 2021 and can be accessed through the link: <https://www.readcube.com/articles/10.1007/s11204-021-09720-4>.



Webinar

The World Bank Group (WBG) arranged a five-day online Training on the ESF for the Capacity Building of major stakeholders in Pakistan. The basic aim of the training was the capacity building of Project Implementation Units (PIUs), Environment & Social Staff and all levels of PIU Organization, Government Officials, Consulting Companies and other key stakeholders for preparing and implementing ESF products and ensure strong ownership and understanding of the role of the Framework in ensuring sound preparation and implementation of World Bank supported projects. Mr. Muhammad Shariq Ahmed, Chief Engineer/ Head ERSD Section, GT&GE Division along with his team Mr. Fahad Saleem, Senior Engineer & Miss Ridha Kamran, Junior Environmentalist attended the virtual training session conducted by World Bank on Environment and Social Framework (ESF) from June 21 to 25, 2021.

220kV Double Circuit Transmission Line from D.I. Khan to Zhob



A view of erected towers at site

NESPAK-BARQAAB (JV) has been providing engineering consultancy services for D.I. Khan to Zhob 220kV Double Circuit T/Line on Rail Conductor. NESPAK optimized the line length to 210.72km during a survey/staking stage by selecting the best of the available routes resulting reduction in requirement of towers from 694 to 641 and line length from 220km. The Client appreciated NESPAK for saving millions of rupees. The main objective of the project is to connect 220kV Substation proposed at Zhob to the national grid via existing 220kV Substation at D.I. Khan. Up till now, 64.3 percent of the overall progress has been achieved.

NESPAK secures Ravi Riverfront Urban Development Project

A framework agreement was signed between Ravi Urban Development Authority (RUDA) and the Construction Management Division NESPAK for the Engineering Consultancy Services of the multi-billion Ravi Riverfront Urban Development Project. The Project runs along 33 KM long stretch of the River Ravi and is divided into four zones with a total area of 100,000 acres of land. The development of land is being undertaken by the Authority under the Public



Syed Imran Waheed, Executive Vice President/Head CM Division, signing the agreement



An artistic view of the project

Private Partnership (PPP mode) with NESPAK in the role of independent Engineer with Mr. Imran Waheed EVP/Head CM Division as Team Lead and Mr. Jamashaid Faisal Janjua as the Project Manager.



National Engineering Services Pakistan (Pvt.) Limited (Consulting Engineers)

1: NESPAK House: 1-C, Block-N, Model Town Extension, Lahore-54700, Pakistan
PABX: +92 42 99090000 Fax: +92 42 99231950 P.O.Box: 1351
E-mail: info@nespak.com.pk Website: www.nespak.com.pk



@nespakofficial



/nespakofficial



/nespakofficial

2: IEEE Building, 17-C-1, Civic Centre, Faisal Town, Lahore-54700, Pakistan
PABX: +92 42 99232261-74
Fax: +92 42 99232275 P.O.Box: 1351



FOREIGN OFFICES

Kingdom of Saudi Arabia

M.H. Aitah-NESPAK Engineering Consultant Company, Office #2, First Floor, Ibrahim Muhammad Al-Moosa Commercial Complex Abdul Aziz Bin Masaad Bin Jalwi Road (Dabbab Road) Riyadh P.O.Box 50344, Riyadh 11523
Phone: +966-11-4052297, 4059583
Fax: +966-11-4051031
E-mail: nespaksa@gmail.com

Sultanate of Oman

NESPAK & Partners L.L.C., P.O.Box 3506, Ruwi, Postal Code 112, Ruwi, Office No.105, 106 (First Floor), Musa Abdul Rehman Complex, Near Sultan Qaboos Mosque, Ruwi / Halat Al-Noor, Way: 3109, Block No.131, Building No 477, Muscat
Phone: +968-24789668
Mobile: +968-98237227
Fax: +968-24703702
E-mail: <nespak@omantel.net.om>
<khadim_jakhar@yahoo.com>

State of Qatar

National Engineering Services Pakistan W.L.L. Limited, Al Muntazah Building, Office No. 4, (1st floor) Unit-6, Building No. 146/Ibn Sina Street: 950/Zone 24, Doha P.O. Box 32057
Phone: +974-44429696, 44420324
Fax: +974-44429969
E-mail: <info@nespak-qatar.com>

Islamic Republic of Afghanistan

National Engineering Services Pakistan (Pvt.) Limited, House No. 250, District (Nahiya) 10, Street No. 16, Wazir Akbar Khan, Kabul
Phone: +92-0-51-9221911-12/
+93-78-601-6050
Fax: +93-0-20-2312967/
+92-0-51-9221914
Mobile: +92-333-2507797
E-mail: <nespak_af@yahoo.com>
<enr.mukhtararshad@gmail.com>

United Kingdom

NESPAK UK Limited, Parkview 183-189 The Vale, London, UK W3 7RW
Tel: +44-2088111188
Fax: +44-2088111189
Email: nespakuk@gmail.com

LOCAL OFFICES

Karachi: 13th Floor, NICL Building, Abbasi Shaheed Road, Off. Shahrah-e-Faisal, Karachi
Phone: +92-21-99207277-84
Fax: +92-21-35651994
E-mail: karachi@nespak.com.pk
nespakkh@gmail.com

Islamabad: NESPAK House, Sector-G, 5/2, P.O. Box 2461
Phone: +92-51-9221910-13
Fax: +92-51-9221914
E-mail: nespak.isd@gmail.com
islamabad@nespak.com.pk

Quetta: House No. 18-19B, Street No. 2 Phase-3, Shahbaz Town, Quetta Cantt.
Phone: +92-81-9202454, 9201707
Fax: +92-81-9202982
E-mail: roquetta@nespak.com.pk

Peshawar: NESPAK House, 24, Sector B-2, Phase V, Hayatabad, Peshawar
Phone: +92-91-5828478-79, 5828481, 5837220
Fax: +92-91-5828482
E-mail: nespakp@gmail.com

ASSOCIATED COMPANIES

Turkpak International (Pvt.) Ltd.

1 - Nursery Lane, Lawrence Road, Lahore - Pakistan
Phone: +92-42-99202710, 36282544-45
E-mail: info@turkpak.com, turkpakint@yahoo.com
Website: www.turkpak.com

ECO Consultancy & Engineering Company (Pvt.) Ltd. (ECO-CEC)

1 - Nursery Lane, Lawrence Road, Lahore - Pakistan
Phone: +92-42-99202710, 36282544-45
E-mail: ecocec@wol.net.pk