



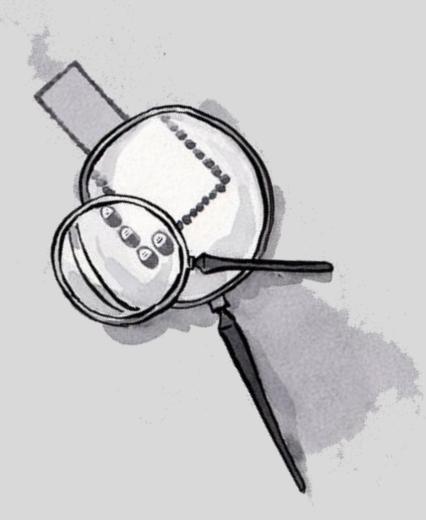






SEQUENCE OF PRESENTATION





- Company overview
- Mission statement
- Organogram
- Area's of expertise
- Executed projects
- Key staff
- Our Client

OVERVIEW





- BK CONSULTANTS (PVT) LTD is a progressive and dynamic engineering consulting firm.
- BK Consultants offers high-tech engineering consulting services in general & specialized fields.
- Working multi-disciplinary projects that require careful planning, creative engineering, innovative design & architecture, responsive communication and project management.
- Our projects are led by qualified, dedicated and energetic engineers.

ABOUT US

Company	BK Consultants (Pvt) Limited	
Chief Executive Officer (CEO)	Dr. Babar Khan, PhD, P.E.	
Managing Director (MD)	Engr. Madiha Saeed, P.E.	
PEC No.	Consult/1600	
PEC Project Profile Codes	1201 (Building), 1203, 1204, 1215	
Company Registration with SECP	2013	
Office Address	BK Office, 2 nd Floor, Al-Kousar Plaza, G-10 Markaz, Islamabad	
Contact	Ph No. +92-51-2740011, Cell No. +92-345-9623303	
Website/Email:	Web: bkconsultants.com.pk bk.consultant.pk@gmail.com; info@bkconsultants.com,	



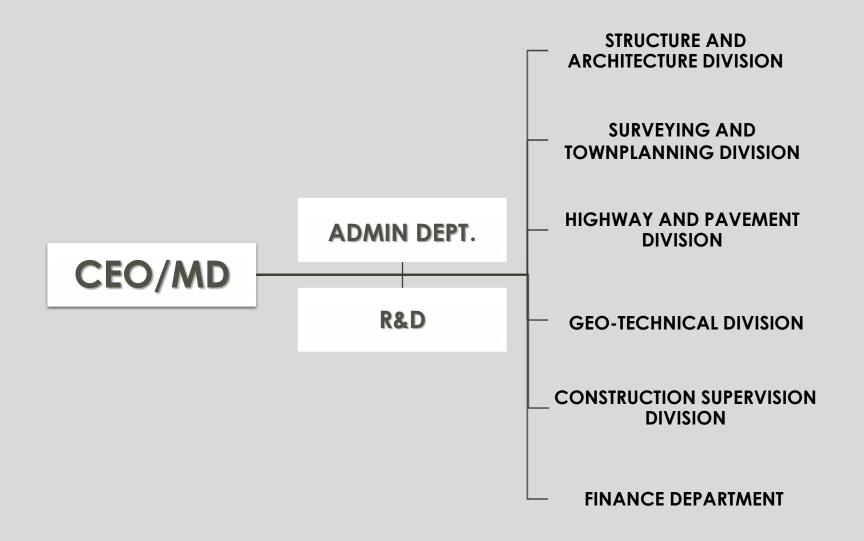
MISSION STATEMENT

Our core aim is to make a sustainable difference to the Pakistan Infrastructure where we live in by understanding our customers and to deliver outcomes that add value through innovative approaches



ORGANOGRAM





AREAS OF EXPERTIES





Urban planning, traffic studies management



Architectural & Structural Design



Highway & Pavement Design



Surveying and Mapping (GIS),



Geotechnical Studies



Detailed engineering designs, and estimation, preparation of feasibility studies, contract/tender documents,



Project management, Contract administration, and construction supervision,

TOWNPLANNING AND INFRASTRUCTURE SERVICES

LAHORE MOTORWAY CITY, LAHORE



LAHORE MOTORWAY CITY, LAHORE

Detail Design of

- Roads (Main Boulevards & Sector Roads)
- Sewerage
- Water Supply System
- Surface Drainage
- Pump Stations
- Overhead Tanks







FARASH TOWN, NILORE, ISLAMABAD





PLANNING & DESIGN OF FARASH TOWN, PHASE-II, NILORE, ISLAMABAD





FARASH TOWN, NILORE, ISLAMABAD



NHA RESIDENTIAL COMPLEX AT M-1/M-2 LOOP, ISLAMABAD









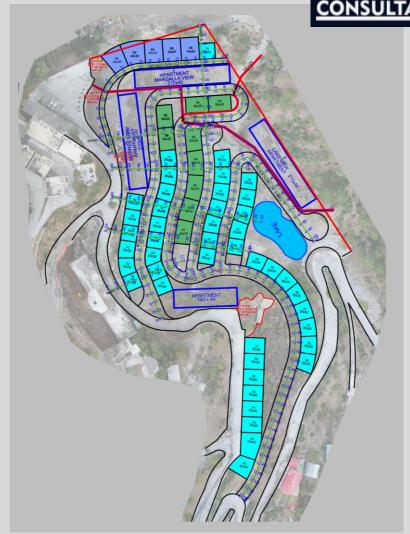


HIGHLAND RESORT AT PIRSOHAWA, ISLAMABAD



Planning & Design of Highland Resort at Pirsohawa





INDUS VALLEY INDUSTRIAL JUNCTION (SEZ), RAJANPUR

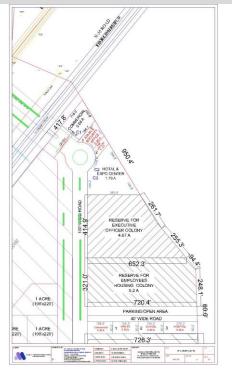


INDUS VALLEY INDUSTRIAL JUNCTION SPECIAL ECONOMIC ZONE VILLAGE SURI, DISTRICT RAJANPURE

Detail Town Planning of

- Roads (Main Boulevards & Sector Roads)
- Sewerage
- Commercial buildings
- Expo-Center
- Dry-Port
- Residential apartments
- Hotel
- Hospital
- Mosque





NATIONAL HIGHWAY FOUNDATION (NHF) ISLAMABAD

BK ULTANTS

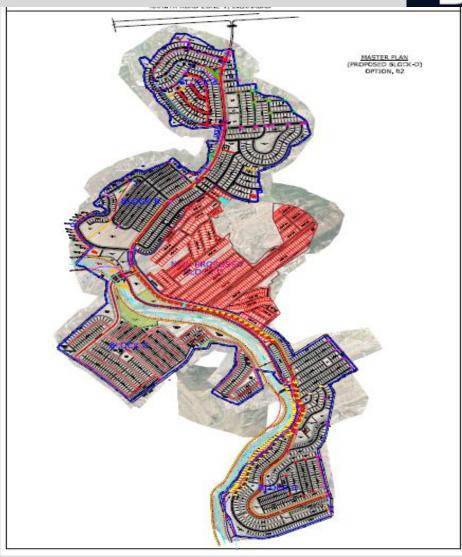
NATIONAL HIGHWAY FOUNDATION-HOUSING SOCIETY

MASTER PLANNING & DESIGN REVIEW OF

- Roads (Main Boulevards & Sector Roads)
- Sewerage
- Water Supply System
- Surface Drainage
- Pump Stations
- Overhead Tanks



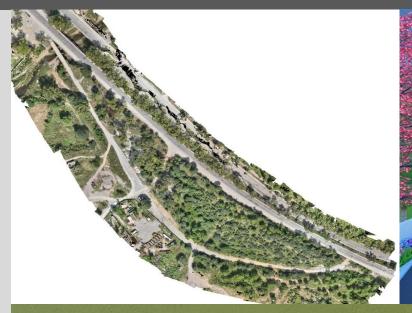




NHA COMMERCIAL COMPLEX, SINGHANI, N-5, ISLAMABAD

NATIONAL HIGHWAY FOUNDATION-HOUSING SOCIETY

- Layout plan
- Master planning
- Architecture
- Structure Design
- Geotechnical Desing
- Services Design







GOVERNMENT GIRLS DEGREE COLLEGE, OGHI, MANSEHRA



GOVT. GIRLS COLLEGE

- Layout plan
- Master planning
- Architecture
- Structure Design
- Geotechnical Desing
- Services Design



WORLD GREEN RESIDENCIA, ISLAMABAD



WORLD GREEN

- Layout plan
- Master planning
- Architecture
- Structure Design
- Geotechnical Desing
- Services Design





ARCHITECTURAL & STRUCTURAL DESIGN SERVICES



BK consultants provides the state of art services in Architecture & Structures by using modern techniques "Building Information Modelling" (BIM) in following fields:

S. No.	Services Descriptions	Software/Tools use
a.	Detailed Architectural Planning of all building typology	Hand Sketching and Revert (BIM)
b.	Buildings Elevation design/3d Model	Sketchup, AutoDesk 3D Max
c.	Realistic Render of the project	Lumion/Vray
d.	Structural design	ETABS, CSiBRIDGE
e.	Foundation design	SAFE, Plaxis 3D



NILORE HEIGHTS APARTMENTS FARASH TOWN HOUSING SCHEME ISLAMABAD







NHA COMMERCIAL COMPLEX







NHA RESIDENTIAL COMPLEX, ISLAMABAD











NHA OFFICE AT BARKHU, ISLAMABAD





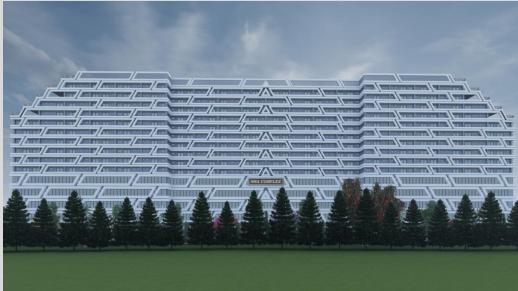




NHA COMMERCIAL COMPLEX AT SINGHANI, N-5, ISLAMABAD









N-65 REST AREA'S AT NUSHKI, NOKUNDI AND PADAK











THE RESIDY AT MURREE









MOSQUE DESIGN AT NATIONAL HOUSING FOUNDATION (NHF)



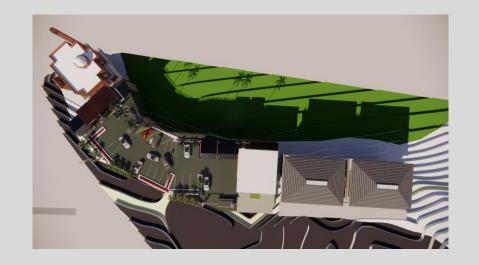






MINI REST AREA, NHA, MURREE

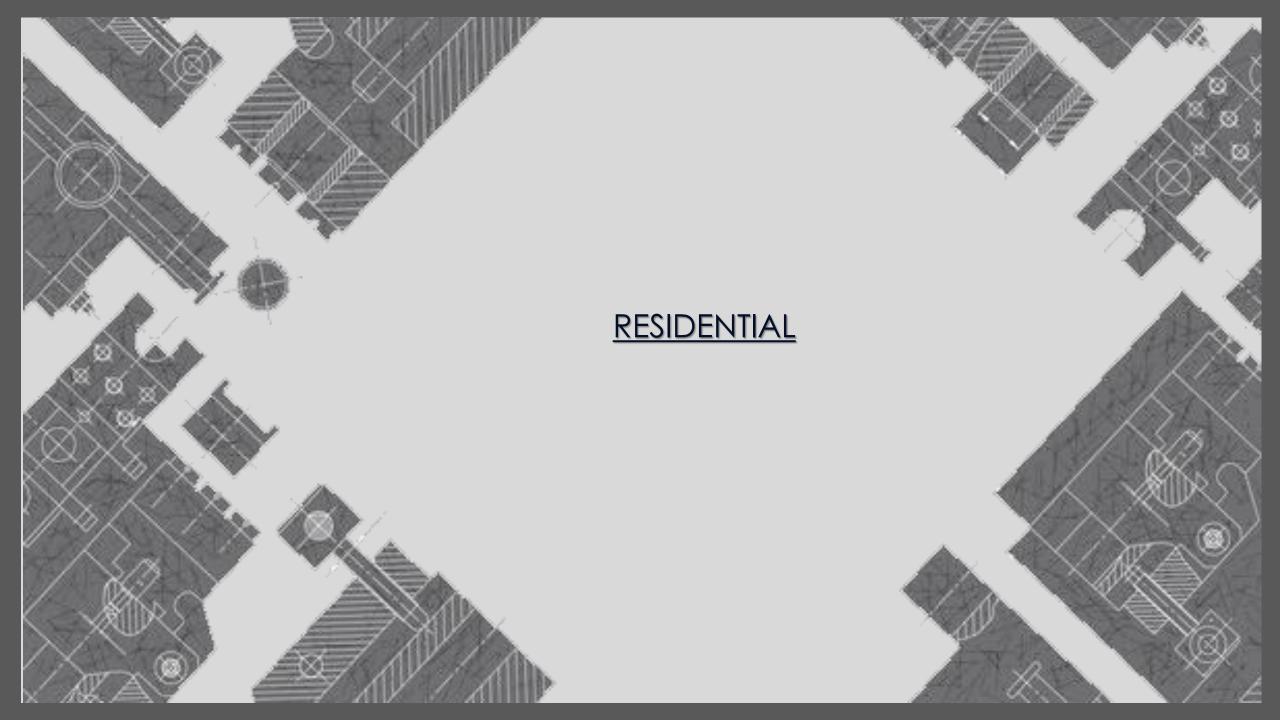












20 KANAL FARM HOUSE AT HAIPUR FOR DR.FAIZA RASHEED













2 KANAL RESIDENCE AT BAHRIA ENCLAVE FOR DR.AMIR











1 KANAL RESIDENCE AT MARDAN FOR MR.SABIR







1 KANAL RESIDENCE AT TOP CITY FOR MR FASIH ULLAH





1 KANAL RESIDENCE AT TOP CITY





ARCHITECTURAL & STRUCTURAL DESIGN SERVICES



Architecture &
Structural Design of
Academic &
Administration
Blocks of Govt.
Model School at
Mansehra

Structure Design of Reconstruction of Govt. Girls College, Mansehra, Damage Due To Earthquake. Structure Design of Academic , Admin, Hostel, Auditorium, Cafeteria, Faculty Suits, 10,000 Gallons OHWT of Govt. Girl College Oghi, (KPK) Structural Design & Architecture of School for Deaf and Dumb, Peshawar Structural Design & Architecture of Public Prosecutor Offices, Swabi

2013

2014

2014

2015

015











PROJECTS OF DESIGN, DESIGN REVIEW & CONSTRUCTION SUPERVISION OF BRIDGES

BK CONSULTANTS

- 1. Consultancy Services for Design of Kayal Bridge at Km 266+000 on N-35 of National Highway Authority.
- 2. Design review of Road & Bridges, Slope Stability of landslide prone reaches, including Construction Supervision, design mega structures like Avalanches galleries, Tunnels & Bridges for Realigned portion of Mansehra-Naran-Jalhad-Chilas project (N-15) of National Highway Authority.
- 3. Consultancy Services for Design Review/ Vetting of Leswa Bypass Road Length 13 Km (Damaged Portion) Incl. Bridges/ Allied Structures, District Neelum.
- 4. Detailed Design of Road & Bridges including Construction Supervision of N-50 section near Darban.
- 5. Rehabilitation of Existing Nullah Lai Sawan Bridge.
- 6. Detailed Design of Road & Bridges including Construction Supervision of Muzaffarabad-Chakothi Road Project (S-3) of National Highway Authority.



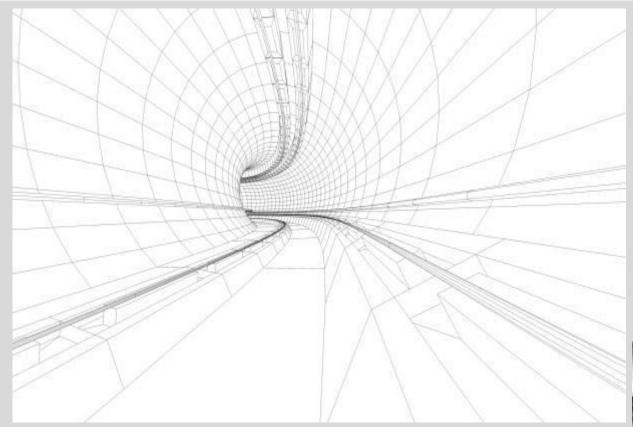


PROJECTS OF DESIGN, DESIGN REVIEW & CONSTRUCTION SUPERVISION OF BRIDGES

BK CONSULTANTS

- 7. Detailed Analysis, Design Review of Road Pavement & Bridges, Slope Stability of Landslide prone stretches including Construction Supervision for Islamabad-Muzaffarabad Dual Carriageway project (Murree Expressway N-75) of National Highway Authority.
- 8. Detailed Analysis, Design Review of Road Pavement & Bridges, Slope Stability of Landslide prone reaches including Construction Supervision for Kohala-Muzaffarabad Expressway project (S-2) of National Highway Authority.
- 9. Detailed Analysis & Design Review of Existing Damaged Bridge Structures, Providing adequate Rectification Design & Drawings including Construction Supervision of Rectification Works on KKH (N-35) between section (Besham-Sazin) of National Highway Authority.





03 <u>GEO-TECHNICAL/TUNNEL</u> <u>SERVICES</u>



GEO-TECHNICAL STUDIES



BK consultants provides the state of art services by using modern techniques in following fields:

S. No.	Services Descriptions	Software/Tools use
a.	Design of Shallow and Deep Foundations	Foundation Analysis & Design By Joseph E. Bowles
b.	Slope Stability	FEM: Slide, Dip (rocscience), Plaxis 3D (Bentley Systems) FDM: FLAC 3D (Itasca)
C.	Geotextile Reinforced Slope	FEM: Slide(rocscience) FDM: FLAC 3D (Itasca)
d.	Embankment Design	FEM: Slide(rocscience), Plaxis 3D (Bentley Systems)
e.	Settlement Analysis	FEM: Settle 3D (Bentley Systems), Plaxis 3D (Bentley Systems)
f.	Tunnels & Dams	FEM: Phase ² (rocscience) FDM: FLAC 3D (Itasca)

GEO-TECHNICAL STUDIES EXECUTED PROJECTS

Geotechnical Investigation of Naya Pakistan Housing Scheme, Phase-IV, Angori Road, Islamabad



Extension of Ammar Shaheed Chowk, Rawalpindi

Client: FWO



Islamabad

Islamabad

Islamabad

Kamra ,Islambad & Multan

Geotechnical Investigation of Naya Pakistan Housing Scheme at Sang Jani, Islamabad.



Geotechnical
Investigation of Air
University Campus at
Islamabad (H-12),
Kamra & Multan

GEO-TECHNICAL STUDIES **EXECUTED PROJECTS**



Complete Geotechnical Investigation of Eighteen Housing Society, Islamabad

Dr. Abdul Qadeer Khan School System, Bahria Town

Ghani Mall GT Road, Rawalpindi

Capital Icon Capital Enclave Islamabad

Tortonas Uzghor Hydro Electric power Projects, Chitral

- Margalla Hills-II
- Tuba Heights
- Saud Heights E-11

Islamabad **Bahria Town** Islamabad Rawalpindi Islamabad Islamabad Islamabad Madina Mall

Gulberg Arena, Gulberg Greens, Islamabad

- Grand Hotel
- High Rise Street(Near KFC) Phase VII ,Bahria Town Rawalpindi
- Square-5, Elish Empire, Al-Jabbar Plaza, B-17 Islamabad
- Time Square Residence, Top City-1, Islamabad
- The Shaikh Mall

Embassy Garden

Gateway Plaza Bahria Enclave Islamabad

1&2.Faisal square, Tower 45, Aviation Arcade, Faisal Town

SLOPE PROTECTION MEASURES EXECUTED PROJECTS









IMDC

Design of Slope Protection Measures at KM 26, 28, 30 of N-75 (IMDC)



Muzaffarabad

Design of Slope Protection Measures at KM 12, 17, & 27 of S-2 (Kohala -Muzaffarabad)

Design of Slope Protection Measures at KM 89, 96 & 97 of N-15 (Kaghan)

Kaghan

Design of Slope Protection Measures at Different Site of Bahria Town, Islamabad/Rawal pindi



Islamabad

SLOPE PROTECTION MEASURES EXECUTED PROJECTS



Islamabad

Design of Slope Protection Measures at Restaurant

(Chai Cup & Gupshup)



Sharkool

Design of Slope Protection Measures at KM 104 at N-35 (Sharkool)



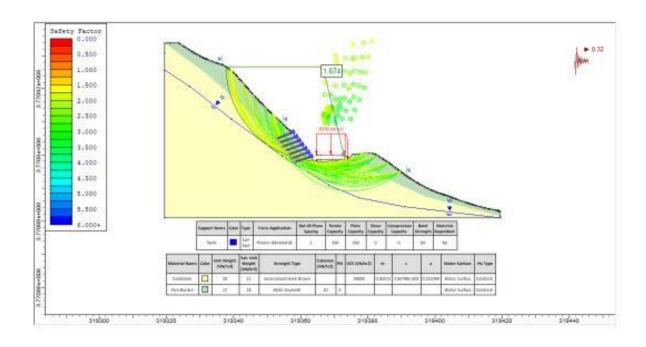


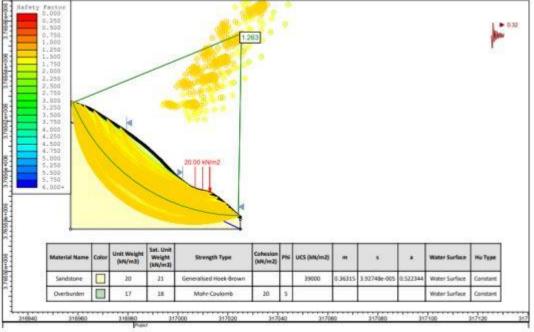




SLOPE PROTECTION MEASURES KASHMIR HIGHWAY ALONG RIVER JHELUM







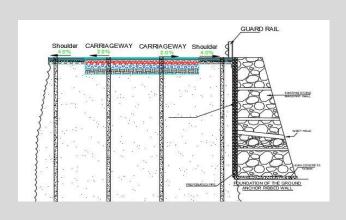
SLOPE PROTECTION MEASURES ARMY CHINAAR CAMP 12 DIV MURREE







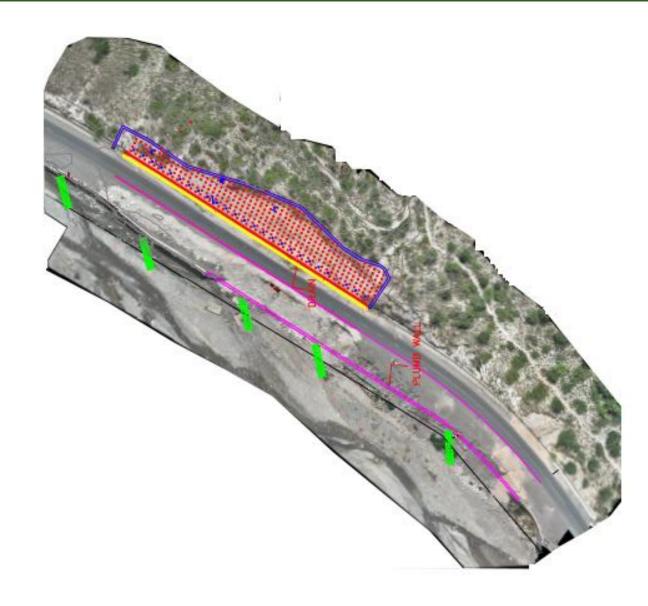




SLOPE PROTECTION MEASURES

N-50





SLOPE PROTECTION MEASURES ZHOB-DHANASSAR N-50 KM 375+000 TO 380+000











SLOPE PROTECTION MEASURES

KM 44+000





SLOPE PROTECTION MEASURES EXECUTED PROJECTS





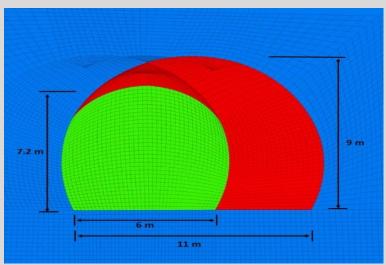


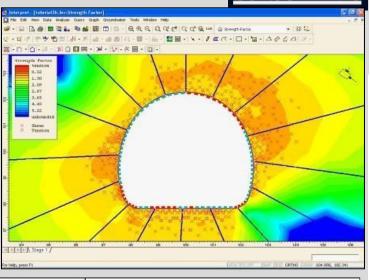


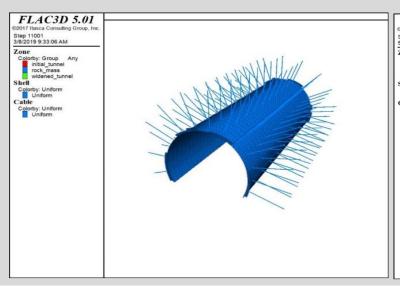


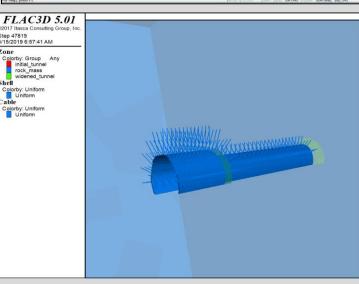
TUNNEL WORKS

- BK Consultants has provides the state of art solutions for tunnel technology by using modern technique.
- To provide the field testing including in-situ testing comprises of core drilling, geophysical investigation.
- Reconnaissance and topographic survey.
- Scanline geological survey.
- Development of structural geology by using stereo net and rose diagram.
- Rock mass classification
- Simulation of tunnel opening keeping in view the geological conditions and field stresses.









TUNNEL WORKS

BK CONSULTANTS

Design Review and Supervision of 4.9 Km Road including 500 m Tunnel at N-15 at Sukki Kinari Hydropower Project, Naran, Pakistan.



Golen Gol Hydropower Project – Review the tunnel lining design for M/s SAMBU



Sukki Kinari Hydropower Project

Golen Gol, Chitral

Golen Gol Hydropower, Chtiral

Lowari Tunnel



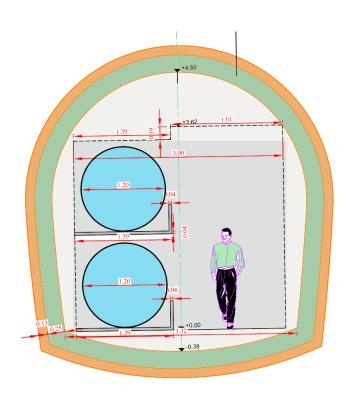
Turtonas Uzghor Hydro Power project, Golen Gol, Chitral, Detailed Geotechnical and Topographic Survey.

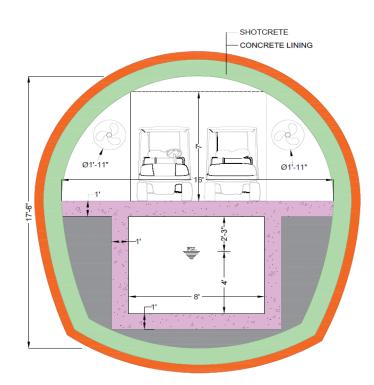


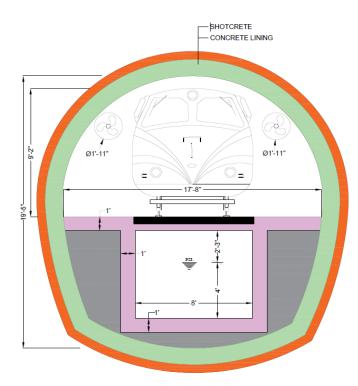
Lowari Tunnel Project, Top Supervision and Contract Administration

DESIGN OF HEADRACE TUNNEL AT CHITRAL MULKHOW











HIGHWAY AND PAVEMENT SERVICES



HIGHWAY AND PAVEMENT



BK consultants provides the state of art services by using modern techniques (BIM) in following fields:

S. No.	Services Descriptions	Software/Tools use
a.	Highway Geometrics	AutoCAD Civil 3D, Autodesk InfraWorks (BIM)
b.	Pavement Design	BISAR, Kenlayer, AASHTO Design Method
C.	Land Survey	UAV, GIS, GPS & Total Station
d.	Pavement Drainage	DRIP-2.0

HIGHWAY AND PAVEMENT EXECUTED PROJECTS



LAHORE MOTORWAY CITY, LAHORE

Detail Design of

- Roads (Main Boulevards & Sector Roads)
- Sewerage
- Water Supply System
- Surface Drainage
- Pump Stations
- Overhead Tanks











HIGHWAY AND PAVEMENT EXECUTED PROJECTS



- Design Review of Re-aligned Portion of N-15 at 884 MW Sukki Kinari Hydro Power Project
- Design of Embankment Settlement Remedial Measures at Hazara Motorway (E-35) at five locations







HIGHWAY AND PAVEMENT





- Feasibility Study and Detailed Design for Rehabilitation/Upgradation and Widening of Quetta – Dhadhar Section of N-65 (118 Km)
- Feasibility Study and Detailed Design for Dualization/Strengthening of Dhadar Jacobabad Section N-65 (188 Km).





HIGHWAY AND PAVEMENT EXECUTED PROJECTS

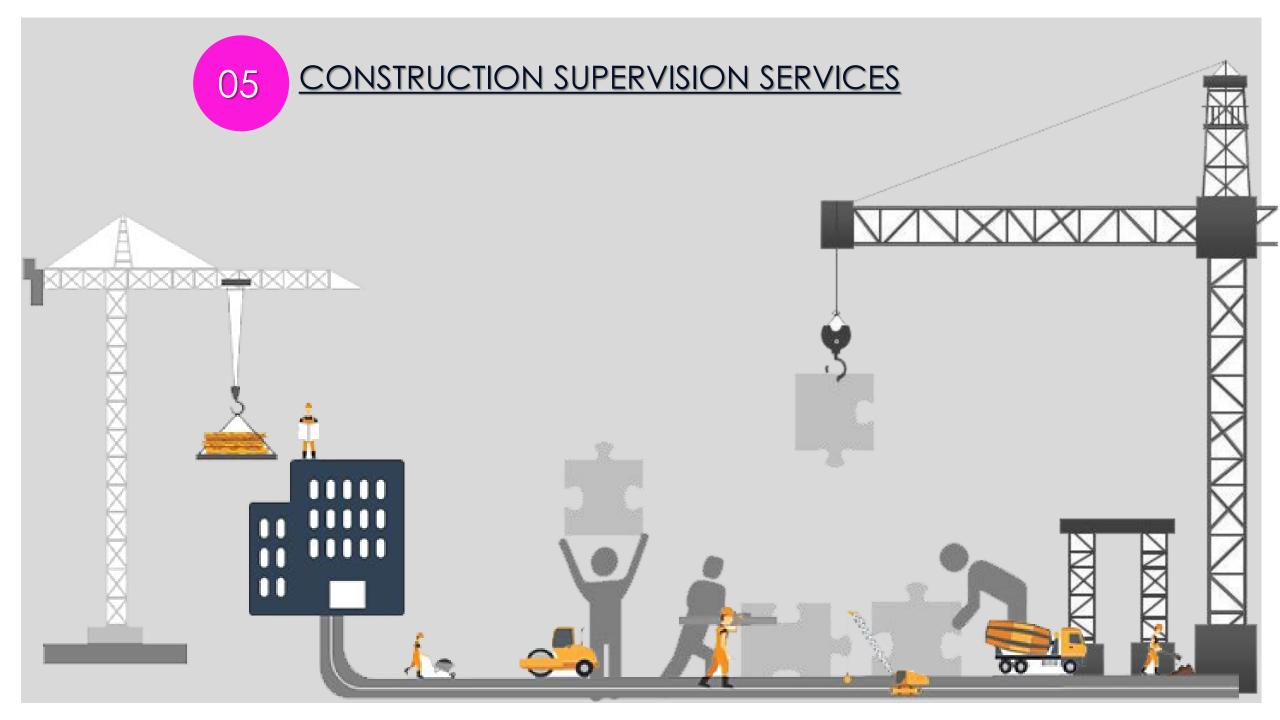




Feasibility Study and Design of Kashmir Highway along Jehlum Length 140 Km

Design of Muzaffarabad 1.5 KM road from Km 32+125 to KM 33+519 (S-2)





CONSTRUCTION SUPERVISION EXECUTED PROJECTS



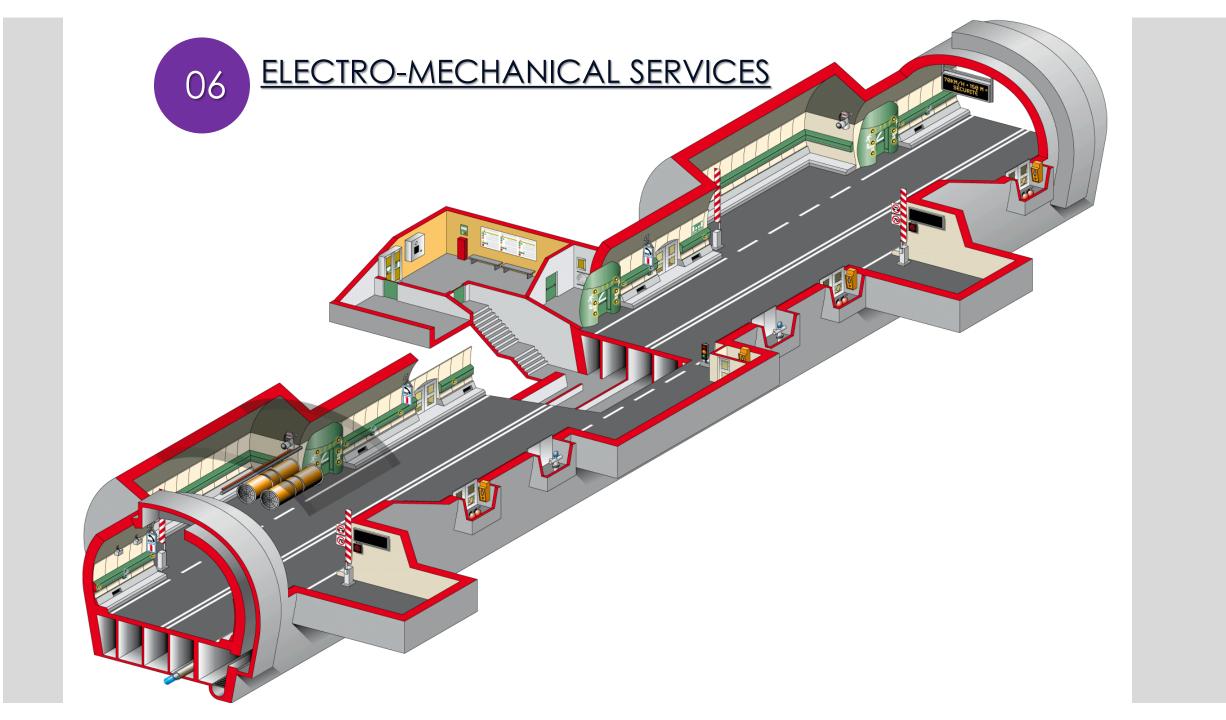
- Construction Supervision of Re-aligned Portion of N-15 at Sukki Kinari Hydro Power Project
- Construction Supervision of Govt Degree College Oghi, Mansehra.
- Construction Supervision
 of National Highway
 Foundation Housing
 Scheme (NHF-HS),
 Islamabad
- Construction Supervision of Different Slope Stability Projects.









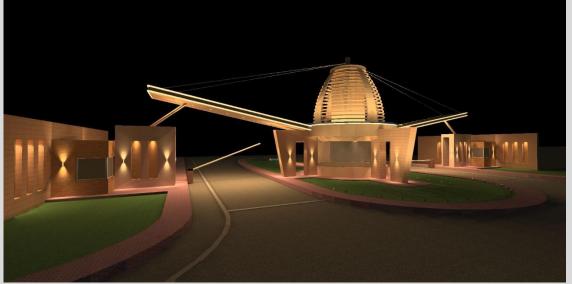


ELECTRO-MECHANICAL EXECUTED PROJECTS



• Automated Lighting Design of Gate at Bahria Agro Farms Housing Scheme, Islamabad





07

HYDROLOGY & HYDRAULIC SERVICES



HYDROLOGY & HYDRAULICS



BK consultants provides the state of art services by using modern techniques in following fields:

S. No.	Services Descriptions	Software/Tools use
a.	Digital Elevation Modeling (DEM)	Google Earth, USGS earth Explorer
b.	Land use Land cover classification	Global Mapper, ArcGIS
C.	Watershed Modeling	WMS 11.0
d.	Bridge & Culvert design	HEC-RAS

Hydrology & Hydraulics EXECUTED PROJECTS



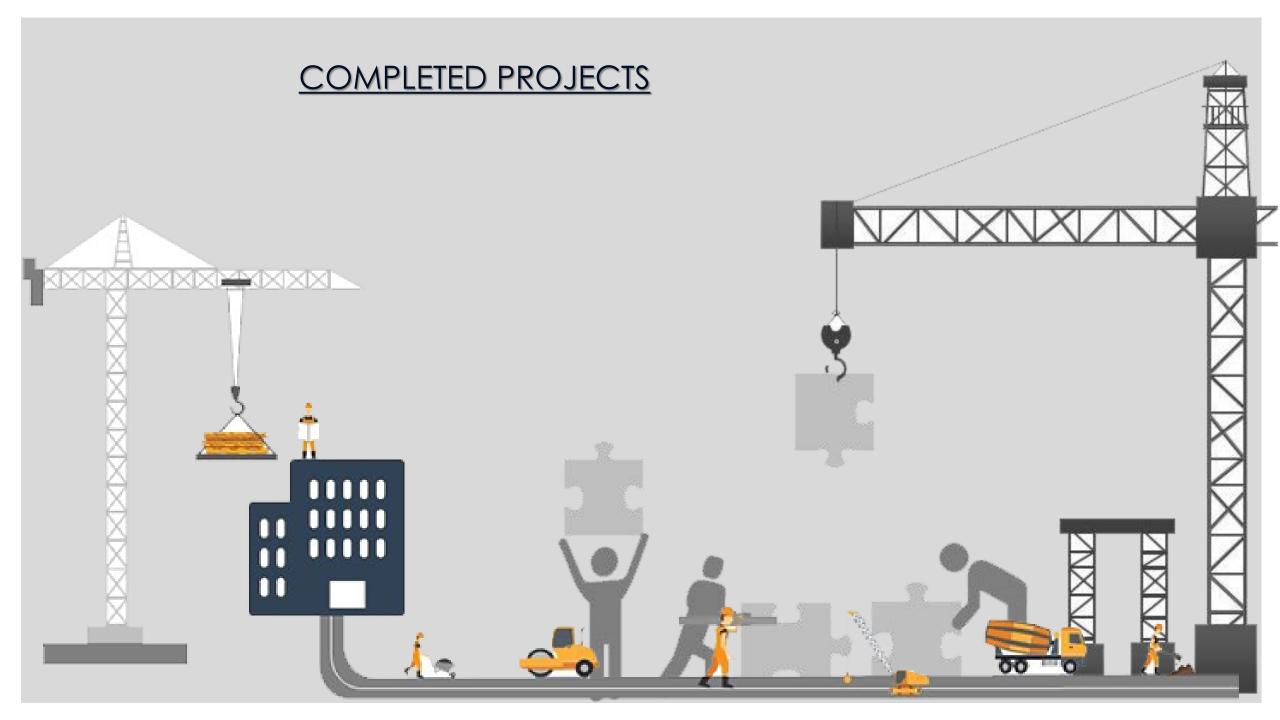
HYDRAULIC STUDY OF DHANA-SAR PROJECT

Detail Design of

- Culverts
- Chute
- Aqueducts







EXECUTED PROJECTS



Sr. No.	Name of the Project	Location Province / Country	Client
1	Design Review and Supervision including Slope Protection Measures, Avalanche Galleries, Tunnel of Re-Aligned Portion N-15 NHA Highway (At Km 107- Km 112) at Sukki Kinari Hydropower project at Naran, Mansehra.	Naran, Tehsil: Balakot, Distt: Mansehra (KPK), Pakistan	National Highway Authority (NHA)
2	Cacient Caci		Sachal Engineering Works (Pvt) Limited
3	Feasibility Study For "Improvement and Widening of National Highway N-45 Section II (Akhagram-Dir)"	Akhagram-Dir, N-45, KPK	Dasan Consultants CO., LTD.
4	Design and supervision of Road Networks, Sewerage, Water Supply System and Surface Drainage for Lahore Motorway City, Lahore	Lahore Motorway City, Lahore, Pakistan	Renaissance Developers (Pvt) Limited

EXECUTED PROJECTS



Sr. No.	Name of the Project	Location Province / Country	Client
5	Design of Mini rest Area of National Highway Authority at Lower Topa Muree.	MIIITAA PIINIAN	National Highway Authority (NHA)
6	Detail Design & Supervision of Road at Km 449+300 & Km 449+800 on N-50	Darban Dikhan	National Highway Authority (NHA)
7	Analysis and design of foundation along with slope protection of the structure of Nayyah Pakistan Housing Scheme, Phase-IV, Islamabad.	Islamabad	Bahria Town, Islamabad.
8	Detail Design of 3 X Rest Areas for Zaireen at 03 different Location i-e., Noshki, Padak & nokundi on National Highway N-40 Balochistan.	BOIOCHISION	National Highway Authority (NHA)



Sr. No.	Name of the Project	Location Province / Country	Client
9	Design of NHA Building for the Maintenance Office of Islamabad-Murree Expressway N-75 at Barakahu. Barakahu/Murree, Punjab (NHA)		National Highway Authority (NHA)
10	The state of the s		National Highway Authority (NHA)
11	Architectural & Structural Design and supervision of "Reconstruction of Govt. Girls Degree Collage, Mansehra, Damage due to Earthquake" Mansehra KPK C&W Departme		C&W Department KPK
Architectural, Structural Design & Supervision of Government Model Boys School at Mansehra (KPK)		Mansehra KPK	C&W Department KPK



Sr. No.	Name of the Project	Location Province / Country	Client
13	Master Planning, Detail Design and Supervision of Govt. Girls College at Oghi, District Mansehra.	Oghi, District Mansehra	Communications & Works Department, Govt of Khyber Pakhtunkhwa
		Islamabad-Murree Dual Carriageway (IMDC). N- 75	National Highway Authority (NHA)
15	Analysis and design of Slope stability measures of the slide at KM 17+000, Km 33+200 of Kohala-Muzaffarabad Expressway (S-2)	Kohala-Muzaffarabad Expressway (S-2), at Azad Jammu Kashmir.	National Highway Authority (NHA)



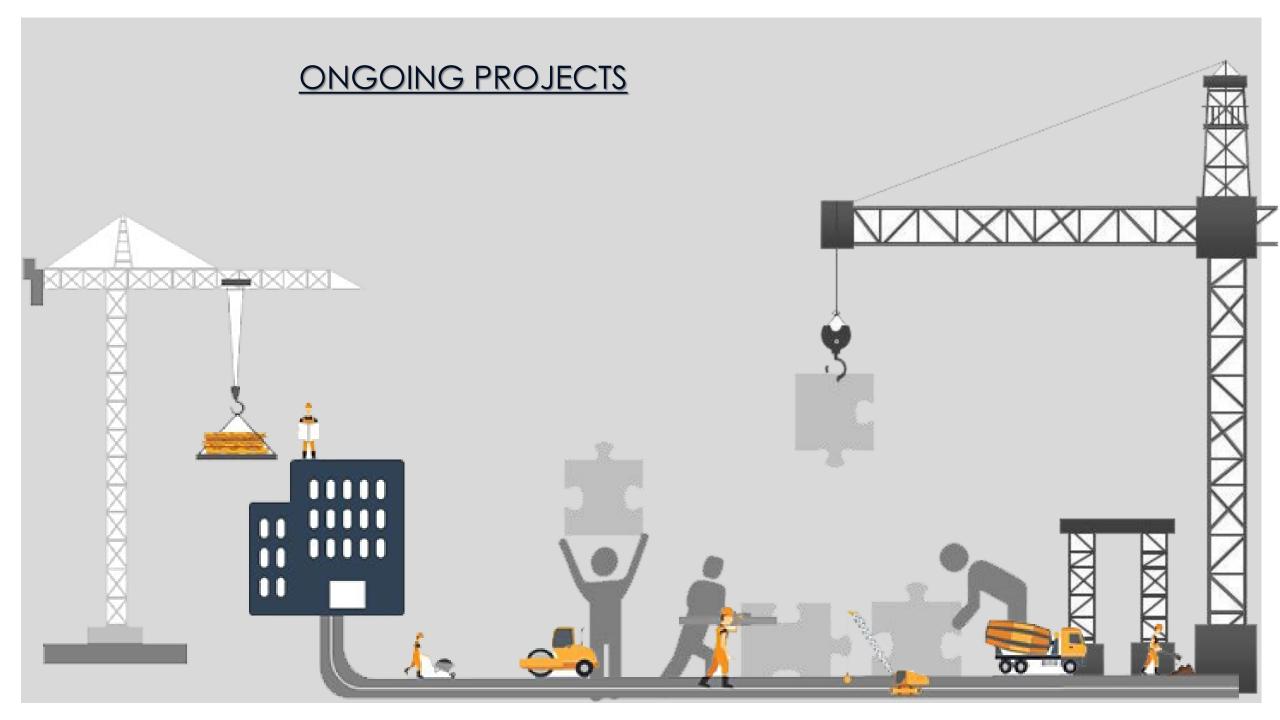
Sr. No.	Name of the Project	Location Province / Country	Client
16	Master Planning, Detail Design and Supervision of Govt. Girls College at Oghi, District Mansehra.	Oghi, District Mansehra	Communications & Works Department, Govt of Khyber Pakhtunkhwa
17	Detail Design & Supervision of Km 5+400, Km 11+600, Km 33+900, Km 42+360, Km 48+010, Km 50+150, Km 50+850, Km 53+300 on Muzaffarabad-Chakothi Road S-3	I MUZATTARADAA-C.NAKOTNI	National Highway Authority (NHA)
18	Analysis and design of Slope stability on Khwzakhela- Besham Highway N-90 at Km 33-34	i knwazakneja-besham	National Highway Authority (NHA)



Sr. No.	Name of the Project	Location Province / Country	Client	
19	Feasibility Study and Detail Design of NHA Residential Complex at M-1/M-2 Intersection Loop, Islamabad	Islamabad	National Highway Authority (NHA)	
20	Detail Design of Bahria Agro Lake at Bahria Town Islamabad	Islamabad	Bahria Town	
21	Architectural & Structural Design of Girls School for Deaf and Dumb at Yakatoot, Peshawar City	Peshawar, KPK	C&W Department, KPK	



Sr. No.	Name of the Project	Location Province / Country	Client
25	Analysis & Design of Slope Stability Measures at Bahria Resort at Khaira Gali. Khaira Gali, District Abbottabad, KPK		M/s Bahria Town Islamabad.
26	Slope Stability and Road Design of R-09. Bahria Golf, Bahria Town, Islamabad		M/s Bahria Town Islamabad.
27	Slope Stability and Road Design along Main Boulevard.	Agro Farms, Bahria Town, Islamabad	M/s Bahria Town Islamabad.



ONGOING PROJECTS



Sr. No.	Name of the Project		Client
1	I I I I I I I I I I I I I I I I I I I		National Highway Authority (NHA)
2	Consultancy Services for Design Review/ Vetting of Leswa Bypass Road Length 13 Km (Damaged Portion) Incl. Bridges/ Allied Structures, District Neelum		Central Design Office, GoAJK
3	Consultancy Services for Feasibility Study & Detailed Design for Construction of CPEC Interchange for Chhab on Already Constructed Overhead/ Flyover at Maira Sharif along with its Link Road from Interchange to Chhab, Nilhad & Maira Sharif		National Highway Authority (NHA)

ONGOING PROJECTS



Sr. No.	Name of the Project	Location Province / Country	Client
4	Consultancy Services for Feasibility Study and Detailed Design for Rehabilitation/ Upgradation and Widening of Quetta – Dhadhar Section of N-65 (118.322 Km) Approx.		National Highway Authority (NHA)
5	Consultancy Services for Feasibility Study & Detailed Design for Dualization / Strengthening of Dhadar – Jacobabad Section N-65 (188 Km Approx.)	Dhadar – Jacobabad N-65	National Highway Authority (NHA)
6	Consultancy Services for Feasibility Study and Detailed Design for Construction of Khwazakhela – Besham Expressway (64 Km)	Khwazakhela – Besham KPK	National Highway Authority (NHA)

ONGOING PROJECTS



Sr. No.	Name of the Project	Location Province / Country	Client
7	Consultancy Services for Design, Review and Construction Supervision of Bhong Interchange on Sukkur – Multan Motorway (M-5) at its Intersection with Bhong – Sadiqabad Road (Km 520+130)	Sukkur – Multan Motorway M-5	National Highway Authority (NHA)
8	Consultancy Services for Design, Review and Construction Supervision of Mirpur Mathelo Interchange on Sukkur – Multan Motorway (M-5) at Km 462+540 & its Link with National Highways (N-5) / G.T. Roads (5.5 Km)	Sukkur – Multan Motorway M-5	National Highway Authority (NHA)
9	Consultancy Services for Design of Kayal Bridge at Km 266+000 on N-35	N-35 KPK	National Highway Authority (NHA)



KEY STAFF



	DIVISION	NAME	DESIGNATION	QUALIFICATION
a.	MANAGEMENT	Dr. Babar Khan	Chief Executive Officer	PhD (Civil Engineering)
b.	MANAGEMENT	Engr. Madiha Saeed	Managing Director	MSc (Transportation Engineering)
C.	TOWN PLANNING & ARCHITECTURE	Ar. Sumaira Ilyas Ar. Innam-ullah	Senior Architect Principal Architect	BSc (Architecture) BSc (Architecture)
d.	STRUCTURE SECTION	Engr. Saboor Ahmed Engr. Areeba	Structure Engineer Structure Engineer	BSc (Civil Engineering) MSc (Civil Engineering)
e.	GEO TECHNICAL SECTION	Ms. Komal Raiz Mr. Saif Ali Mr. Mubashir	Principal Engineer Geologist Geologist	MSc (Geotech) BSc (Geology) BSc (Geology)
f.	HIGHWAY SECTION	Engr. Haroon Rasheed Engr. Umar Waqas	Principal Engineer Senior Engineer	MSc (Transportation) MSc (Transportation)
g.	Electrical & Mechanical (E&M) SECTION	Engr. Abu Bakar Mr. Makhdoom Sibghatullah	Senior Engineer Senior Technical Assistant	MSc (Electrical) DAE (Electrical)
h.	HYDROLOGY & HYDRAULICS SECTION	Engr. M. Nawaz Sharif	Senior Hydrologist	MSc (Water Resources)

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