

HUMAN RESOURCES



KEY STAFF



KEY STAFF

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| <i>Engr: Mushtaq Ahmed</i> | <i>Managing Director</i> |
| <i>Engr: Shaukat Ali Ayub</i> | <i>Exec. Director/ Bridge Specialist</i> |
| <i>Engr: Shahzad Ahmad</i> | <i>Director Coordination</i> |
| <i>Engr: Nanak Chand</i> | <i>GM Electro Mechanical</i> |
| <i>Engr: Habibullah</i> | <i>Manager Operations</i> |
| <i>Engr: Zahid-ur-Rahman</i> | <i>Manager Structure Design</i> |
| <i>Architect Muhammad Kashif</i> | <i>Principal Architect</i> |
| <i>Architect Naushin Rajpar</i> | <i>Senior Architect</i> |
| <i>Engr: Shahzad Afzal</i> | <i>Environmental Specialist</i> |
| <i>Mohammad Sartaj Khan</i> | <i>Community Development Specialist</i> |
| <i>Engr: Gul Said</i> | <i>Manager Special Project</i> |
| <i>Engr: Sharif Ullah</i> | <i>Manager Highway Design</i> |
| <i>Engr: Shakir Ullah</i> | <i>Manager Structures</i> |
| <i>Engr: Munawar Shah</i> | <i>Principal Engineer</i> |
| <i>Engr: Ejaz Khan</i> | <i>Manager Highways</i> |

Associates

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|------------------------------|---|
| <i>Engr: Khadim Rasool</i> | <i>Construction Management Specialist</i> |
| <i>Engr. Niaz Mohammad</i> | <i>Water Supply Specialist</i> |
| <i>Engr: Riaz Ahmad Khan</i> | <i>Water Resource Specialist</i> |
| <i>Engr: Mohammad Naeem</i> | <i>Water Resource Specialist</i> |
| <i>Engr: Ali Rahman</i> | <i>Water Resource Specialist</i> |
| <i>Engr: Naseer Khan</i> | <i>Geotech Specialist</i> |
| <i>Engr: Ijaz Zahoor</i> | <i>Structural Design Specialist</i> |
| <i>Dr. Mohammad Saeed</i> | <i>Geotechnical Expert</i> |
| <i>Dr. Atta-ur-Rahman</i> | <i>Hydraulic Structures Specialist</i> |

JUNIOR MANAGEMENT



MIDDLE/ JUNIOR MANAGEMENT

| | |
|--------------------------------|--------------------------------|
| <i>Niaz Muhammad Khan</i> | <i>Chief Surveyor</i> |
| <i>Mohammad Tanveer</i> | <i>System Manager</i> |
| <i>Iftikhar Abbas</i> | <i>CAD Section Incharge</i> |
| <i>Engr: Mohsin Ali Habib</i> | <i>Design Engineer</i> |
| <i>Engr: Muhammad Ali Noor</i> | <i>Design Engineer</i> |
| <i>Engr: Asad Farooq</i> | <i>Design Engineer</i> |
| <i>Engr: Muhammad Wasif</i> | <i>Design Engineer</i> |
| <i>Engr. Saleem Akbar</i> | <i>Bridge Engineer 1</i> |
| <i>Engr. Raheel</i> | <i>Bridge Engineer 2</i> |
| <i>Engr. Nisar Ahmad</i> | <i>Bridge Engineer 3</i> |
| <i>Engr. Khuram Shahzad</i> | <i>Bridge Engineer 4</i> |
| <i>Engr. Shahbaz Khan</i> | <i>Bridge Engineer 5</i> |
| <i>Engr. Sajjad Hussain</i> | <i>Bridge Engineer 6</i> |
| <i>Muhammad Riaz Khan</i> | <i>Chief Quantity Surveyor</i> |
| <i>M. Tariq Nawaz Marwat</i> | <i>Quantity Surveyor</i> |
| <i>Muhammad Naeem</i> | <i>Quantity Surveyor</i> |

*SURVEYORS/
CAD OPERATORS*



SURVEYOR/ CAD OPERATORS

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| <i>Abdullah</i> | <i>Surveyor</i> |
| <i>Zain-ul-Wahab</i> | <i>Surveyor</i> |
| <i>Shaffiq-ur-Rehman</i> | <i>Surveyor</i> |
| <i>Tanveer Ahmad</i> | <i>Surveyor</i> |
| <i>Tajdar Khan</i> | <i>Surveyor</i> |
| <i>Rafiullah Khan</i> | <i>Surveyor</i> |
| <i>Arshad Hussain</i> | <i>Surveyor</i> |
| <i>Tika Khan</i> | <i>Surveyor</i> |
| <i>Ihsan Ullah</i> | <i>Surveyor</i> |
| <i>Bakht Tazdar</i> | <i>Surveyor</i> |
| <i>Zafar Khan</i> | <i>Surveyor</i> |
| <i>Mushtaq Khan</i> | <i>Surveyor</i> |
| <i>Ehtishan</i> | <i>Surveyor</i> |
| <i>Ajmal Khan</i> | <i>Surveyor</i> |
| <i>Ajmal</i> | <i>Surveyor</i> |
| <i>Qamar Said</i> | <i>Surveyor</i> |
| <i>Arif Kamal</i> | <i>Surveyor</i> |
| <i>Haji Gul</i> | <i>Surveyor</i> |
| <i>Shaukat</i> | <i>Surveyor</i> |
| <i>Hazrat Ali</i> | <i>Surveyor</i> |

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| <i>Shahzad Siddiqui</i> | <i>CAD Operator</i> |
| <i>Raheel Aziz</i> | <i>CAD Operator</i> |
| <i>Mohammad Amir</i> | <i>CAD Operator</i> |
| <i>Shafiullah</i> | <i>CAD Operator</i> |

LABORATORY STAFF



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|---------------------------|------------------------------|
| <i>Mubarak Shah</i> | <i>Material Scientist</i> |
| <i>Farooq Ahmed</i> | <i>Senior Lab Technician</i> |
| <i>Shaista Khan</i> | <i>Senior Lab Technician</i> |
| <i>Badar Munir</i> | <i>Material Technician</i> |
| <i>Muzamil Khan</i> | <i>Material Technician</i> |
| <i>Syed Hashmat Abbas</i> | <i>Material Technician</i> |
| <i>Iftikhar Ullah</i> | <i>Lab Technician</i> |
| <i>Shahid Ahmed</i> | <i>Lab Technician</i> |
| <i>Shaffiq Ahmed</i> | <i>Lab Technician</i> |
| <i>Salah-ud-Din</i> | <i>Lab Technician</i> |
| <i>Muhammad Daud Shah</i> | <i>Lab Technician</i> |

ADMINISTRATION



ADMINISTRATION

Babar Khan

Admin Officer

Mohammad Arshad Amin

Programmer

Asghar Syed

Accountant

Mamoon ur Rashid

Computer Operator

Munir Anwar

Computer Operator

Wajid Amin

Computer Operator

Janbaz Khan

Computer Operator

Abid Raza Kiyani

Telephone Operator

*CVs
OF
KEY STAFF*



Name of the Firm : *DEVELOPMENT MANAGEMENT CONSULTANTS*
Discipline/ Expertise : *BUSINESS PROMOTION/ MANAGEMENT*
Name : *MUSHTAQ AHMAD*
Date of Birth : *MAY 06,1950*
Years with Firm : *12 Years*
Nationality : *PAKISTANI*
PEC. Reg. No. : *CIVIL/9482*
Academic Qualification : *B.Sc. B.E. (CIVIL)*

Employment Record

From: *Sept. 1993*

To: *DATE*

Employer : *DEVELOPMENT MANAGEMENT CONSULTANTS*

Position Held : *MANAGING DIRECTOR*

Description of Duties :

- *Business promotion and Management of Technical, Financial and planning activities for Development Management Consultants.*
- *Managed base line information and assessment survey on behalf of Engineering Associates, Karachi, Pakistan to prepare master repair program for the reconditioning of all Primary Schools in the North West Frontier Province. The total numbers of facilities were over 14000 and were scattered in the whole of NWFP. Data on the number of students and teachers in every primary school was also collected so as to device checks on the drop outs and student-teacher ratio. It also included the development of criteria for the selection of sites for future primary schools and the development of new architectural designs which incorporates the present day facilities and flexibility for future expansion.*
- *Managed the sub soil investigation, topographic, Pedestal and traffic surveys of Flyovers on Ring Road- Kohat road Junction, Ring-Road Charsadda Road Junction, Ring-Road G.T. Road Junction and Ring-Road-Railway crossing Junction.*
- *Conducted Management Study of C&W Department for the Govt.: of NWFP in association with O'Sullivan and Graham, a UK based consulting firm specialized in proposing efficient and economical management structures for the sick organizations.*
- *Provided top supervision cover to Family Health Project of Govt. of NWFP, funded and monitored by Word Bank.*

From *FEB,1987* *To* *SEP,1993*

Employer : *US AID MISSION TO PAKISTAN*

Position Held : *Project Manager, NWFADP*

Description of Duties : *Managed the \$52.1 million multi-sectoral area development program within the USAID Mission to Pakistan which encompasses reviewing and approving feasibilities, designs, implementation schedules and monitoring for the construction of:*

- *Diversified structures*
- *Water Resources*
- *53 villages electrification*
- *Survey, design and construction supervision/guidance of the Communication and Works Department officials and contractors of 116 Kilometers of hilly shingled and metalloid roads*
- *1000 Community Based Area Development Schemes*
- *Health*
- *Education*
- *Agriculture*
- *Private Sector Development*
- *Strengthening and enhancing the capability of host Government institutions to implement area development programs.*

The North West Frontier Area Development Project (NWFADP), being an Umbrella Project, funding area development activities on bilateral basis. The staff being supervised Consisted of:

- *4 engineering Project Managers*
- *2 engineering Deputy Project Managers*
- *2 Surveyors and*
- *4 other support staff (technicians, clerical etc.)*

The responsibilities called expertise in the technical scrutiny of engineering infrastructure portfolio worth US \$ 23 million, keeping in view the specific dynamics of the host government, the strategies, involvement of international PVOs and politico-socio-economic structure in order to overcome and comprehend all possible sensitive matters related to area development projects

*From: JUNE, 1985
Employer*

*To: APRIL, 1986
: ABU-AL-ENIAN JASTANIA CONSTRUCTION CO,
MAKKAH (S.Arabia)*

Position Held

: AREA MANAGER

Description of Duties

: Responsibilities for the management and administration of the construction of two large water and sewer pipeline installation projects in the Holy city of Makkah, including rehabilitation of road network in the city. The project consisted of 210 miles of ductile iron, reinforced concrete, vitrified clay and PVC pipe from 44" to 4" diameter, installation of over 15 miles of pressure pipe, construction of four sewage pumping stations and 12,000 house connections. Responsibilities call for expertise in planning and management of the construction activities and administer over 700 workers (project staff), their payroll, accounting and financial analysis. Also responsible for the management of pro-casting plant, controlled centralized stores, procured pipe fittings and scheduling deliveries to the site. Dealt with

different Saudi government departments for securing the construction permits.

From: DEC, 1976 To: JUNE, 1985
Employer : SAUDI RESEARCH AND DEVELOPMENT CORP (S. Arabia)
Position Held : TECHNICAL MANAGER
Description of Duties : Managed and coordinate the construction planning, programming, preparation of material shop and as build drawings. Organized and co ordinate two large municipal drainage and sewerage projects consisting of;

- 1. Installation of over 30 miles of asbestos cement drainage pipe from 80" to 20" dia.*
- 2. 20 miles of reinforced concrete per cost box culverts 80"x 80" to 120" x 180".*
- 3. Construction of 4.5 miles of tunnels (10' x 12') upto 100' underground.*
- 4. Co ordination of the production of the pre casting plant and scheduling of the deliveries to the site.*
- 5. Construction of new sewer collection system of over 285 miles of vertical clay and PVC pipes.*
- 6. Installation of 35000 house connections.*

From: AUG, 1973 To: DEC, 1976
Employer : NATIONAL CONSTRUCTION COMPANY
Position Held : SENIOR ENGINEER
Description of Duties : Responsible for planning, management and construction of the civil components of the Atomic Energy Commission Projects at Kundian, Nuclear Laboratories and Reactor Training School at Nilore, Islamabad and Lahore-Rahimyar Khan Road Project (60 Km). Participated in the preparation of tender documents and pre-project award negotiations of the projects;

- Shah Faisal Masjid*
- Dergai Ghee mill*
- Karachi Steel Mills*
- Mangla Power House Extensions*
- Peshawar Bus Stand*
- D.I. Khan University Projects.*

As incharge shift engineer on 1836 ft long irrigation tunnel of 44 feet diameter at Terbela with the Pakistan Tarbela Consortium, a joint venture of TJV & NCC. Responsible for all rock excavation, installation of steel reinforcing ribs and electrical and mechanical services.

| <i>Languages</i> | <i>Speak</i> | <i>Read</i> | <i>Write</i> |
|------------------|---|---|--|
| | <i>Pashto, English, Arabic, Persian, Urdu, Hindko</i> | <i>Pashto, English, Arabic, Persian, Urdu, Hindko</i> | <i>Pashto, English, Arabic, Persian Urdu, Hindko</i> |

Name of the Firm : *DEVELOPMENT MANAGEMENT CONSULTANTS*
Discipline/ Expertise : *ENGINEERING STRUCTURES SPECIALIST*
Name : *SHAUKAT ALI AYUB*
Date of Birth : *18.06.1942*
Years with the Firm : *5 Years*
Nationality : *PAKISTANI*
PEC Reg./ : *CIV-1429*
Membership No.
Academic Qualification : *B.Sc. B.E. (CIVIL)*

Employment Record

From: 01.04.2001 *To* *Date*
Employer : *Development Management Consultants*
Position Held : *EXECUTIVE DIRECTOR*
Description of Duties

| <i>POSITION & DESCRIPTION OF DUTIES</i> | <i>FROM</i> | <i>TO</i> |
|---|----------------------|----------------------|
| <i>L.P.R</i> | <i>June 2001</i> | <i>June 2001</i> |
| <i>Design Engineer R.D Office</i> | <i>March 2000</i> | <i>June 2001</i> |
| <i>On Leave</i> | <i>July 1998</i> | <i>March 2000</i> |
| <i>Deputy Project Manager</i> | <i>January 1997</i> | <i>July 1998</i> |
| <i>Executive Engineer C&W Dev. Division, Jamrud</i> | <i>July 1995</i> | <i>January 1997</i> |
| <i>Deputy Director Farm to Market Roads</i> | <i>August 1992</i> | <i>July 1995</i> |
| <i>Deputy Director Anti Corruption Peshawar</i> | <i>July 1991</i> | <i>August 1992</i> |
| <i>Executive Engineer Highway Division Peshawar</i> | <i>July 1989</i> | <i>July 1991</i> |
| <i>Senior Engineer Central Design Office C&W Department Peshawar.</i> | <i>July 1988</i> | <i>July 1989</i> |
| <i>Executive Engineer C&W Dev. Division Jamrud.</i> | <i>October 1986</i> | <i>July 1988</i> |
| <i>Executive Engineer Highway Project Peshawar</i> | <i>April 1985</i> | <i>October 1986</i> |
| <i>Executive Engineer Building Projects Div. No. II Peshawar</i> | <i>July 1983</i> | <i>April 1985</i> |
| <i>Executive Engineer Highway Division Kohat.</i> | <i>April 1982</i> | <i>July 1983</i> |
| <i>Deputy Director / Executive Engineer Kohistan Development Broad.</i> | <i>December 1981</i> | <i>March 1982</i> |
| <i>Executive Engineer Kohistan Development Board</i> | <i>March 1979</i> | <i>December 1981</i> |
| <i>Assistant Director P&D Cell C&W Department Peshawar</i> | <i>May 1978</i> | <i>March 1979</i> |
| <i>Sub-Divisional Officer Highway Project Sub-Division Nowshera</i> | <i>October 1976</i> | <i>May 1978</i> |
| <i>Sub-Division Office special Project Sub-Division Peshawar</i> | <i>August 1975</i> | <i>October 1976</i> |
| <i>Sub-Divisional Officer B&R Sub-Division Malakand.</i> | <i>August 1974</i> | <i>August 1976</i> |
| <i>Sub-Divisional Officer B&R Sub-Division Bannu</i> | <i>August 1973</i> | <i>August 1974</i> |

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| <i>Sub-Divisional Office B&R Sub-Division Darban</i> | <i>March 1973</i> | <i>August 1973</i> |
| <i>A.D.O. II Chief Engineer Officer</i> | <i>March 1972</i> | <i>March 1973</i> |
| <i>Sub-Divisional Officer B&R Sub-Division Darosh Chitral</i> | <i>September 1970</i> | <i>March 1972</i> |
| <i>Sub-Divisional Officer 5th Provincial Sub-Div. Peshawar</i> | <i>February 1970</i> | <i>July 1970</i> |
| <i>Sub-Divisional Officer Provincial 4th Provincial Building Sub-Div. Peshawar</i> | <i>January 1969</i> | <i>November 1969</i> |
| <i>Sub-Divisional Officer under training</i> | <i>April 1967</i> | <i>January 1968</i> |

DESIGN EXPERIENCE IN BRIDGES

ENGR. SHAUKAT ALI AYUB

| | <i>Bridge Location</i> | <i>Bridge Type & Loading</i> | <i>Span</i> |
|-----|--|--|----------------|
| 1. | <i>RCC Bridge on Kund Bana Road (Mile 9)</i> | <i>T-Beam Class B Loading</i> | <i>50 ft.</i> |
| 2. | <i>RCC Bridge on Kund Bana Road (Mile 13)</i> | <i>T-Beam Class B Loading</i> | <i>50 ft.</i> |
| 3. | <i>RCC Bridge on Kund Bana Road (Mile 4)</i> | <i>T-Beam Class B Loading</i> | <i>50 ft.</i> |
| 4. | <i>RCC Bridge on Karg-Jabbar (Mile 6)</i> | <i>T-Beams Class B Loading</i> | <i>30 ft.</i> |
| 5. | <i>RCC Bridge on Tailus Pushto Road (Mile 1)</i> | <i>T-Beams Class B Loading</i> | <i>25 ft.</i> |
| 6. | <i>RCC Bridge on Tailus Pushto Road (Mile 6)</i> | <i>T-Beams Class B Loading</i> | <i>35 ft.</i> |
| 7. | <i>RCC Bridge on Sakargah Dorra Road (Mile 3)</i> | <i>T-Beams Class B Loading</i> | <i>30 ft.</i> |
| 8. | <i>RCC Bridge on Nogram Gang Wall Road (Mile 6).</i> | <i>T-Beams Class B Loading</i> | <i>40 ft.</i> |
| 9. | <i>Suspension Bridge on Gar Garduri Road</i> | <i>Wooden Suspension Bridge</i> | <i>220 ft.</i> |
| 10. | <i>Suspension Bridge on Kandian Road</i> | <i>Wooden Suspension Bridge</i> | <i>590 ft.</i> |
| 11. | <i>Suspension Bridge in Kandian Valley</i> | <i>Wooden Suspension Bridge</i> | <i>120 ft.</i> |
| 12. | <i>Suspension Bridge in Kandian Vallely</i> | <i>Wooden Suspension Bridge</i> | <i>160 ft.</i> |
| 13. | <i>RCC Bridge on Dubair Road</i> | <i>T-Beams Class A Loading</i> | <i>55 ft.</i> |
| 14. | <i>Bridge on Bahadur Khel Road</i> | <i>PCG Bridge Class AA Loading</i> | <i>113 ft.</i> |
| 15. | <i>Kandian Bridge</i> | <i>PCG Bridge Class A Loading</i> | <i>400 ft.</i> |
| 16. | <i>Bridge on Thahkot Bana Road</i> | <i>RCC T-Beam Class B Loading</i> | <i>200 ft.</i> |
| 17. | <i>Bridge on Kalapani Nullah</i> | <i>PCG Bridge Class AA Loading</i> | <i>215 ft.</i> |
| 18. | <i>Sholgar Bridge Near Mirza Dihr</i> | <i>PCG Bridge Class AA Loading</i> | <i>90 ft.</i> |
| 19. | <i>Bridge on Umerzai Harchand Road</i> | <i>PCG Bridge Class AA Loading</i> | <i>100 ft.</i> |
| 20. | <i>Bridge on Harchand Tangi Road</i> | <i>PCG Bridge Class AA Loading</i> | <i>100 ft.</i> |
| 21. | <i>Bridge on Naguman Jala Bela North</i> | <i>PCG Bridge Class AA Loading</i> | <i>260 ft.</i> |
| 22. | <i>Bridge on Naguman Jala Bela South</i> | <i>PCG Bridge Class AA Loading</i> | <i>590 ft.</i> |
| 23. | <i>Bridge on Changari Nullah (I)</i> | <i>PCG Bridge Class AA Loading</i> | <i>80 ft.</i> |
| 24. | <i>Bridge on Changari Nullah (II)</i> | <i>PCG Bridge Class AA Loading</i> | <i>80 ft.</i> |
| 25. | <i>Bridge on Palosi Pir Bala Road (I)</i> | <i>PCG Bridge Class AA Loading</i> | <i>100 ft.</i> |
| 26. | <i>Bridge on Palosi Pir Bala Road (II)</i> | <i>PCG Bridge Class AA Loading</i> | <i>100 ft.</i> |
| 27. | <i>Bridge on Pabbi Chirat Road (K.M. 22)</i> | <i>RCC T-Beam Class AA Loading</i> | <i>100 ft.</i> |
| 28. | <i>Bridge on Pabbi Chirat Road (K.M. 24)</i> | <i>RCC T-Beam Class AA Loading</i> | <i>70 ft.</i> |
| 29. | <i>Bridge on Ziarat Kaka Sahib Road</i> | <i>RCC T-Beam Class AA Loading</i> | <i>50 Sft.</i> |
| 30. | <i>Mardan Zai Bridge</i> | <i>RCC T-Beam Class AA Loading</i> | <i>80 Sft.</i> |
| 31. | <i>Kanju Township Swat.</i> | <i>18 PCG Bridge Class AA Loading</i> | <i>40M</i> |
| 32. | <i>Two Suspension Bridges in Dir</i> | <i>Suspension Bridges Class B Loading</i> | <i>90M</i> |
| 33. | <i>Two Bridges on Thakot Darband Road.</i> | <i>PCG Bridge Class AA Loading</i> | <i>32M</i> |
| 34. | <i>Bandichi Bridge in Disst. Dir</i> | <i>PCG Bridge Single Lane Class AA Loading</i> | <i>40M</i> |
| 35. | <i>Murad Pur Bridge in Mansehra Disst.</i> | <i>PCG Bridge Single Lane Class AA Loading</i> | <i>M</i> |
| 36. | <i>Tha Kot Bridge</i> | <i>PCG Bridge Single Lane</i> | <i>40M</i> |
| 37. | <i>Mayar Maskini Bridge in Dir Disst.</i> | <i>Wooden Suspension Bridge</i> | <i>138M</i> |
| 38. | <i>Bridge No.1 in Kanju Township Swat</i> | <i>PCG Bridge Class AA Loading</i> | <i>27M</i> |

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| 39. | Bridge No.2 in Kanju Township Swat | PCG Bridge Class AA Loading | 30M |
| 40. | Bridge No.3 in Kanju Township Swat | PCG Bridge Class AA Loading | 30M |
| 41. | Khan Pur Kithyari Bridge in Dir Disst. | PCG Bridge Class AA Loading | 125M |
| 42. | Kumbat Bridge | PCG Bridge Class AA Loading | 60M |
| 43. | Moha Shrif Bridge | Wooden Suspension Bridge | 92M |
| 44. | Kattiyi Khwar Bridge No.1 in Manshera Disst. | PCG Bridge Class AA Loading | 40M |
| 45. | Kanair Kass Bridge Mauree | PCG Bridge Class AA Loading | 113M |
| 46. | Nishana mil Bridge in Dir Disst. | PCG Bridge Class AA Loading | 30M |
| 47. | Bridge on Katai Nullah in Mansehra Disst. | PCG Bridge Class AA Loading | 30M |
| 48. | Bridge on Sarori Nullah Kuza Banda Chatter Road | PCG Bridge Class AA Loading | 30M |
| 49. | Bridge on Kulachi Sultan Road Disst. In D.I. Khan Disst. | PCG Bridge Class AA Loading | 18M |
| 50. | Bridge on Navila Rashid Road in K.m 1 in D.I.Khan Disst. | PCG Bridge Class AA Loading | 35M |
| 51. | Bridge on Navila Rashid Road in K.m 4 in D.I.Khan Disst. | PCG Bridge Class AA Loading | 30M |
| 52. | Bridge No.1 on raod No.4 in Kanju Township Swat | PCG Bridge Class AA Loading | 40M |
| 53. | Bridge No.2 on road No.4 in Kanju Township Swat | PCG Bridge Class AA Loading | 35M |
| 54. | Bridge No.1 on road No.2 in Kanju Township Swat | PCG Bridge Class AA Loading | 35M |
| 55. | Bridge No.2 on road No.2 in Kanju Township Swat | PCG Bridge Class AA Loading | 50M |
| 56. | Seven No. Bridges in Priacgidwan road | | |
| 63. | Bridge on Balakot Ghari Habibulllah Road | PCG Bridge Class AA Loading | 27M |
| 64. | Bridge on Kabul Kotlay road | PCG Bridge Class AA Loading | 27M |
| 65. | Sherengal Bridge in Dir Distt. | PCG Bridge Class AA Loading | 40M. |
| 66. | Bridge on N.C.C. road on Dir Disst. | PCG Bridge Class AA Loading | 38M. |
| 67. | Bridge on Bazarghi Navildent in Bonir Disst. | PCG Bridge Class AA Loading | 60M. |
| 68. | Gari Habibullah Balkot Road in K.m, 14 | PCG Bridge Class AA Loading | 30M |
| 69. | Bridge on Aziz Batti Road | R.C.C Slab Bridge | 65M |
| 70. | Bridge No.1 on Lassan Nawab road | R.C.C, T beam | 24M |
| 71. | Bridge No.2 on Lassan Nawab road | R.C.C, T beam | 24M |
| 72. | Bridge on Uch Khwar in Mardan Disst. | PCG Bridge Class AA Loading | 40M |
| 73. | Chargu Kanda in Mardan Disst. | PCG Bridge Class AA Loading | 30M |
| 74. | Bridge on Brozai Khwar in Mardan Disst. | PCG Bridge Class AA Loading | 70M |
| 75. | Bridge on Shamsi Khwar in Mardan Disst. | PCG Bridge Class AA Loading | 40M |
| 76. | Bridge on Gadar Khwar in Mardan Disst. | PCG Bridge Class AA Loading | 40M |
| 77. | Foot Bridge on Kabul river near Kund | R.C.C Prestressed Foot Bridge | 220M |
| 78. | Chura Bridge on Bakhshali on Mardan road | PCG Bridge Class AA Loading | 24M |
| 79. | Three Nos. Bridge on Peshawar Warsak road | R.C.C Prestressed Inverted beam | 30M |
| 80. | Bridge Divana Baba in Bonir Disst. | PCG Bridge Class AA Loading | 95M |
| 81. | Bridge on Bara River Near Camp Kuruna | PCG Bridge Class AA Loading | 40M |

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| 82. | <i>Bridge on Misri Banda by pass road in Nowshera Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>30M</i> |
| 83. | <i>Thotalay Bridge in Bonir Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>125M</i> |
| 84. | <i>Bridge on Kalpani Nala in Mardan Disst.</i> | <i>Wooden Suspension Bridge</i> | <i>112M</i> |
| 85. | <i>Bio Bajna Bridge in Manshera Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>30M</i> |
| 86. | <i>Koat Azam Bridge in D.I. Khan Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>80M</i> |
| 87. | <i>Hassa Bridge in Manshera Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>60M</i> |
| 88. | <i>Jareed Bridge in Manshera Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>66M</i> |
| 89. | <i>Mankial Bridge in Swat Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>50M</i> |
| 90. | <i>Bridge in Km 1, Duaba Karbogha road</i> | <i>PCG Bridge Class AA Loading</i> | <i>47M</i> |
| 91. | <i>Ibrahim Zai Bridge in Kohat Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>50M</i> |
| 92. | <i>Bridge in Km, 7 Tonk Manzai Road</i> | <i>PCG Bridge Class AA Loading</i> | <i>38M</i> |
| 93. | <i>Daku Baba Bridge in Mardan Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>55M</i> |
| 94. | <i>Pir Abad-Afzal Abad, in Mardan Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>70M</i> |
| 95. | <i>Chamkani Bridge On Bara River</i> | <i>PCG Bridge Class AA Loading</i> | <i>40M</i> |
| 96. | <i>Chara Bridge on Shabkadar road</i> | <i>PCG Bridge Class AA Loading</i> | <i>25M</i> |
| 97. | <i>Nikka Pani Bridge in Manshera Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>78M</i> |
| 98. | <i>Manglawar Bridge in Swat Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>47M</i> |
| 99. | <i>Kala Dar Bridge in Swat Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>91M</i> |
| 100. | <i>Bridge on Dada Shankari road in Km.10</i> | <i>PCG Bridge Class AA Loading</i> | <i>32M</i> |
| 101. | <i>Bridge on Dada Shankari road in Km.9</i> | <i>PCG Bridge Class AA Loading</i> | <i>16M</i> |
| 102. | <i>Kass Bridge in Batagram Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>35M</i> |
| 103. | <i>Chakaisar Bridge in Swat.</i> | <i>PCG Bridge Class AA Loading</i> | <i>60M</i> |
| 104. | <i>Dildar Gari Bridge in Charsadda Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>270M</i> |
| 105. | <i>Bridge on Raniyal Khwar in Swat Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>30M</i> |
| 106. | <i>Khata Khat in Mardan Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>65M</i> |
| 107. | <i>Jindi Bridge in Charsadda Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>102M</i> |
| 108. | <i>Banjoot Bridge in Swat Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>35M</i> |
| 109. | <i>Bridge in Km 37 Isha Razmak Road</i> | <i>PCG Bridge Class AA Loading</i> | <i>90M</i> |
| 110. | <i>Bridge in Km 16 Isha Razmak Road</i> | <i>PCG Bridge Class AA Loading</i> | <i>110M</i> |
| 111. | <i>Banda Gai Bridge on Bajawar Khawar</i> | <i>PCG Bridge Class AA Loading</i> | <i>194M</i> |
| 112. | <i>Khwaja-Jan Bridge in Manshera Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>37M</i> |
| 113. | <i>Dalan Bridge in Kohat Disst.</i> | <i>PCG Bridge Class AA Loading</i> | <i>126M</i> |
| 114. | <i>Misri Banda Wooden Suspension Bridge</i> | <i>Wooden Suspension Bridge</i> | <i>365M</i> |
| 115. | <i>Bridge on Akber Pura Dala Zak Road</i> | <i>R.C.C Slab Bridge</i> | <i>9M</i> |
| 116. | <i>Bridge on Kabul River Near Misri Banda</i> | <i>PCG Bridge Class AA Loading</i> | <i>294M</i> |
| 117. | <i>Bridge on Jalala Badraga Road</i> | <i>PCG Bridge Class AA Loading</i> | <i>33M</i> |
| 118. | <i>Bridge No.1 Sundarwal Shahi Road</i> | <i>PCG Bridge Class AA Loading</i> | <i>33M</i> |
| 119. | <i>Bridge on Rustan Brooch Road</i> | <i>PCG Bridge Class AA Loading</i> | <i>30M</i> |
| 120. | <i>Bridge No.2 Sundarwal Shahi Road</i> | <i>PCG Bridge Class AA Loading</i> | <i>70M</i> |
| 121. | <i>Bridge in Km 6 Jalala Badraga Raod</i> | <i>PCG Bridge Class AA Loading</i> | <i>30M</i> |
| 122. | <i>Bridge on Turlandi Amon-Kot.</i> | <i>PCG Bridge Class AA Loading</i> | <i>24M</i> |
| 123. | <i>Bridge over Haro River on Lora Rai road</i> | <i>PCG Bridge</i> | <i>21.9M</i> |
| 124. | <i>Bridge at Km 23 on Ara Bagwani Gandhi Umar Khan road District D.I.Khan.</i> | <i>PCG Bridge</i> | <i>29.6 M</i> |
| 125. | <i>Bridge at Km 27 on Ara Bagwani Gandhi Uma</i> | | |

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|------|---|-------------------|---------------|
| | <i>Khan road District D.I.Khan.</i> | <i>PCG Bridge</i> | <i>24M</i> |
| 126. | <i>Design of Rcc Bridge on Minor No. 6 RD No. 40837 at Sarki Titara - Marwandai. & Haji Gul Killi Union Council Behola Charsadda.</i> | <i>RCC Bridge</i> | <i>16.5M</i> |
| 127. | <i>Bridge at Km 4+912 on Topi Darband Road</i> | <i>PCG Bridge</i> | <i>21M</i> |
| 128. | <i>Bridge at Km 7+072 on Topi Darband Road</i> | <i>RCC Slab</i> | <i>9M</i> |
| 129. | <i>Bridge at Km 10+615 on Topi Darband Road</i> | <i>PCG Bridge</i> | <i>10.8M</i> |
| 130. | <i>Bridge at Km 21+000 on Topi Darband Road</i> | <i>RCC Slab</i> | <i>10.5M</i> |
| 131. | <i>Bridge at Km 22+535 on Topi Darband Road</i> | <i>RCC Slab</i> | <i>9M</i> |
| 132. | <i>Bridge at Km 9+725 on Topi Darband Road</i> | <i>PCG Bridge</i> | <i>18M</i> |
| 136. | <i>Bridge at Km 105+575 on Topi Darband Road</i> | <i>PCG Bridge</i> | <i>50M</i> |
| 137. | <i>Bridge at Km 85+835 on Topi Darband Road</i> | <i>PCG Bridge</i> | <i>30M</i> |
| 138. | <i>Bridge at Km 103+500 on Topi Darband Road</i> | <i>PCG Bridge</i> | <i>50.4M</i> |
| 139. | <i>Subhan Bridge at Barikab Distt. Mardan</i> | <i>PCG Bridge</i> | <i>20.6M</i> |
| 140. | <i>Bridge at Koremang over Alpuri Nullah at Km 62 on Khawaza Khela Bisham Road</i> | <i>PCG Bridge</i> | <i>35.8M</i> |
| 141. | <i>Bridge over River kabul at Misri Banda Distt. Nowshera.</i> | <i>PCG Bridge</i> | <i>29.6M</i> |
| 142. | <i>Bridge over River Kabul at Pir Sabak Distt. Nowshera.</i> | <i>PCG Bridge</i> | <i>29.6M</i> |
| 143. | <i>Bridge at Km 06 on Kohat-Khushalgarh road</i> | <i>PCG Bridge</i> | <i>18M</i> |
| 144. | <i>Bridge at Km 10 on Kohat-Khushalgarh road</i> | <i>PCG Bridge</i> | <i>30M</i> |
| 144. | <i>Bridge at Km 18 on Kohat-Khushalgarh road</i> | <i>PCG Bridge</i> | <i>33M</i> |
| 145. | <i>Bridge at Km 21 on Kohat-Khushalgarh road</i> | <i>PCG Bridge</i> | <i>14.6M</i> |
| 146. | <i>Bridge at Km 24 on Kohat-Khushalgarh road</i> | <i>PCG Bridge</i> | <i>29.6M</i> |
| 147. | <i>Bridge at Km 25 on Kohat-Khushalgarh road</i> | <i>PCG Bridge</i> | <i>29.6M</i> |
| 148. | <i>Bridge at Km 33 on Kohat-Khushalgarh road</i> | <i>PCG Bridge</i> | <i>32.6M</i> |
| 149. | <i>Bridge at Km 44 on Kohat-Khushalgarh road</i> | <i>PCG Bridge</i> | <i>33.0M</i> |
| 150. | <i>Siwak Bridge Parachinar</i> | <i>PCG Bridge</i> | <i>20.6M</i> |
| 151. | <i>Yar Hussain Bridge</i> | <i>PCG Bridge</i> | <i>25.9M</i> |
| 152. | <i>Bridge over Kirriwan Nala</i> | <i>T-Beam</i> | <i>16.5M</i> |
| 153. | <i>Dawa Bridge</i> | <i>Cable</i> | <i>23.6M</i> |
| 154. | <i>Bridge over Topi Zarobi Khwar</i> | <i>Strand</i> | <i>18.M</i> |
| 155. | <i>Khaki Bridge No.1</i> | <i>Strand</i> | <i>18.M</i> |
| 156. | <i>Bridge on Lakki Daratang Road</i> | <i>Cable</i> | <i>15.M</i> |
| 157. | <i>Bridge on Dogar Nikka Ziarat Road</i> | <i>Cable</i> | <i>20.6.M</i> |
| 158. | <i>Bridge on Bannu Miran Shah Road at Km 44</i> | <i>Strand</i> | <i>24.M</i> |
| 159. | <i>Bridge on Bannu Miran Shah Road at Km 32</i> | <i>Strand</i> | <i>30.M</i> |
| 160. | <i>Kalu khan Bridge</i> | <i>Cable</i> | <i>29.6M</i> |
| 161. | <i>Bridge at Amzarai Algad Mile -25 on Mirali- Spinwam Tnall Road</i> | <i>Cable</i> | <i>23.6.M</i> |
| 162. | <i>Takhoba Bridge at Mile – 28 Km. 45</i> | <i>Cable</i> | <i>23.6.M</i> |
| 163. | <i>Bridge on Paya Jawaki Road K. 14 over Sawaday Khwar</i> | <i>Cable</i> | <i>23.6.M</i> |
| 164. | <i>Bridge at Mohib Banda Along Kanal</i> | <i>Cable</i> | <i>30.M</i> |
| 165. | <i>Jawar Bridge No. 1</i> | <i>Strand</i> | <i>2.7.M</i> |

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| 166. | Mama Bridge on Badar Algad | Strand | 40.M |
| 167. | Tuda China Bridge | Strand | 18.M |
| 168. | Baba Sar Bridge on Badar Algad at Km.4 | Strand | 40.M |
| 169. | Bridge on Bannu Miranshah Road Km-59 | T-Beam | 12.M |
| 170. | Sher Garth Badraga Bridge | Cable | 35.M |
| 171. | Bridge on Tauda China Mile-32 Thall Mirali Road | Cable | 20.6.M |
| 172. | Bridge at KM-37 Isha Razmak Road | Cable | 20.6.M |
| 173. | Chanchano Khat Bridge | Strand | 21.M |
| 174. | Dhob Mayar Bridge | Strand | 24.M |
| 175. | Bridge on Bannu Miranshah Road Km-46 | T-Beam | 16.M |
| 176. | Bridge at Pasta Pala Mile-23 No.Mirali Spinwam Thall Road | Cable | 20.6.M |
| 177. | Shora Algad Bridge | Strand | 21.M |
| 178. | Bridge on Kabul River at Peshawar | Cable | 14.8M |
| 179. | Kashoo Bridge | Strand | 3.5.M |
| 180. | Bridge at Khat Arabi Banda | Strand | 24.M |
| 181. | Alo Bridge at Chichar Khwar | Strand | 24.M |
| 182. | Bridge over river Bara at Charbaga | Strand | 30.M |
| 183. | Shalozan Bridge Kurram Agency | Cable | 23.6M |
| 184. | Muragh Banda Bridge at Siuth Wazirastan Agency | Cable | 29.6.M |
| 185. | Jalala Sarwar Abad Bridge | Strand | 21.M |
| 186. | Bridge on Tarkhoba Algad Mile- 25 on Mirali- Spinwam Thall Road | Strand | 23.6.M |
| 187. | Dammi Bridge District Bannu | Strand | 20.6.M |
| 188. | Jawar Bridge No.2 | Strand | 18.M |
| 189. | Pirpai Bridge | Strand | 24.M |
| 190. | Extension Bridge Nos.1 to 3 at Warsak Road | Strand | |
| 191. | Pir Bala Bridge | T-Beam | 16.5.M |
| 192. | 10-Nos Bridge on Jawar Pir abad Raod | T-Beam | 7.5.M |
| 193. | Redecking of Existence Bridge on Kurram River at Bannu | Cable | 35.8 |
| 194. | Bridge over Dour River at Soori | Cable | 35.M |
| 195. | Ghala Dher Bago Banda Bridge | Strand | 24.M |
| 196. | Bezen Khel Bridge District Bannu | Cable | 21.M |
| 197. | Bridge at Perian Kot | Strand | 24.M |
| 198. | Bridge at Mohib Banda along Canal | Strand | 18.M |
| 199. | Lora Bridge at kakki Bannu | Strand | 21.M |
| 200. | Pirpai Bridge | Cable | 23.6M |
| 201. | Dagai Bridge | T-Beam | 16.5.M |
| 202. | Bridge on Industrial Town Road Nowshera | T-Beam | 12.M |
| 203. | Lunda Bridge in Km.4 Barakot Road | | |
| | 1) Ghari Habibullah | Cable | 29.6.M |
| | 2) Ghari Habibullah | Strand | 30.M |
| 204. | Bridge at Maskeny Khwar | Strand | 45.M |

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| 205. | <i>Bridge over Haro River at Dhana Grooni Track</i> | <i>Cable</i> | <i>32.M</i> |
| 206. | <i>Ushnaghan R.C.C Bridge</i> | <i>Strand</i> | <i>40.M</i> |
| 207. | <i>Bridge at Mayar Khwar</i> | <i>Strand</i> | <i>35.M</i> |
| 208. | <i>Kalu Khan Bridge</i> | <i>Strand</i> | <i>29.6M</i> |
| 209. | <i>Bridge at Km-8 on Jawar Pir Abad Road</i> | <i>T-Beam</i> | <i>9.M</i> |
| 210. | <i>Bridge on Industrial Town Road Nowshwera</i> | <i>T-Beam</i> | <i>12.M</i> |
| 211. | <i>Jandola Bridge</i> | <i>Cable</i> | <i>29.6.M</i> |
| 212. | <i>Rehabilitation of Bridge on Shuza Khwar</i> | <i>Cable</i> | <i>27.M</i> |
| 213. | <i>Bridge between Ghani ur- Rehman & Dang Lakhti</i> | <i>Strand</i> | <i>24.M</i> |
| 214. | <i>Bridge on Kanago Khwar on Miran Datta Khel Road</i> | <i>Strand</i> | <i>18.M</i> |
| 215. | <i>Bridge on Manjay Kot Road Km.2 over Brando Nallah.</i> | <i>Strand</i> | <i>18.M</i> |
| 216. | <i>Khaki Bridge No.2 (Hamsherian)</i> | <i>Cable</i> | <i>30.M</i> |
| 217. | <i>Bridge on Kalpani Nallah Near Bara banda</i> | <i>Strand</i> | <i>24.M</i> |
| 218. | <i>Paro Toi Bridge</i> | <i>Cable</i> | <i>20.6M</i> |
| 219. | <i>Shora Algad Bridge</i> | <i>Strand</i> | <i>21.M</i> |
| 220. | <i>Jalala Sarwar Abad Bridge</i> | <i>Strand</i> | <i>21.M</i> |
| 221. | <i>Sulmani Bridge over Chamla Khwar</i> | <i>Strand</i> | <i>40.M</i> |
| 222. | <i>Bridge on Khnanao Dheri over Chamba Khwar. Km 2</i> | <i>Cable</i> | <i>30.M</i> |
| 223. | <i>Shamozai Landakai Bridge on Swat</i> | <i>Strand</i> | <i>18.M</i> |
| 224. | <i>Talash Bridge</i> | <i>Strand</i> | <i>30.M</i> |
| 225. | <i>Bridge over Kurram River from Kachkot Asad Khan to Bannu cantt</i> | <i>Cable</i> | <i>29.6M</i> |
| 226. | <i>Bridge on Lal Qilla Khwar</i> | <i>Cable</i> | <i>35.M</i> |
| 227. | <i>Bridge on Gudwalian Sirikot Road Km-4</i> | <i>Cable</i> | <i>30.M</i> |
| 228. | <i>Bridge on Daggar Shalbandi Raod</i> | <i>Strand</i> | <i>9.M</i> |
| 229. | <i>Oblan Bridge Two Nos</i> | <i>Strand</i> | <i>21.M</i> |
| 230. | <i>Bridge on Kabootar Nalah</i> | <i>Cable + Strand</i> | <i>40.M</i> |

Languages

Speak

Read

Write

*Pashto, English,
Arabic, Persian
Urdu, Hindko*

*Pashto, English,
Arabic, Persian
Urdu, Hindko*

*Pashto, English,
Arabic, Persian
Urdu, Hindko*

Name of the Firm : DEVELOPMENT MANAGEMENT CONSULTANTS
Discipline/ Expertise : GENERAL MANAGER OPERATIONS
Name : KHADIM RASOOL
Years with Firm : 5
Nationality : PAKISTANI
Education : B.Sc. CIVIL ENGINEERING
Other Training : 6 WEEK MANAGEMENT AND ADMINISTRATION COURSE
Languages :

| <i>Speak</i> | <i>Read</i> | <i>Write</i> |
|-----------------|----------------|-----------------|
| ENGLISH, URDU, | ENGLISH, URDU, | ENGLISH, URDU, |
| ARABIC, HINDKO, | ARABIC, | ARABIC, HINDKO, |
| PERSIAN | HINDKO, | PERSIAN |
| | PERSIAN | |

Membership of Professional Societies : PAKISTAN ENGINEERING COUNCIL
Countries of Work Experience : PAKISTAN, SAUDI ARABIA, KUWAIT
Employment Record

From: JAN, 2001 *To:* DATE
Employer : Development Management Consultants
Position Held : CONSTRUCTION MANAGEMENT SPECIALIST
Description of Duties

From: JAN, 1999 *To:* DEC, 2000
Employer : ENGINEERING CONSULTANTS
Position Held : PROJECT MANAGER
Description of Duties : Worked as Project Manager at Primary Education Project funded by World Bank and KFW (Germany) under CAU/Directorate of Primary Education at Peshawar District. Top Supervision Consultancy Services for Primary Schools in N.W.F.P (Pakistan) A World Bank Assisted Project.

From: APRIL, 1988 *To:* DEC, 1998
Employer : PROVINCIAL URBAN DEV. NWFP
Position Held : DY. DIRECTOR
Description of Duties : Supervision and Execution of Infra Structure Facilities in Local Area Authorities in Peshawar, Kohat and Swat Districts

From: NOV, 1973 *To:* SEP, 1982
Employer : NATIONAL CONSTRUCTION COMPANY
Position Held : PROJECT ENGINEER/SENIOR ENGINEER
Description of Duties : Contracts Division Head office Karachi

From: APRIL, 1982 *To:* MARCH, 1988
Employer : M.L.C
Position Held : PROJECT MANAGER
Description of Duties

Name of the Firm : *DEVELOPMENT MANAGEMENT CONSULTANTS*
Discipline/ Expertise : *GENERAL MANAGER (ELECTRO MECHANICAL)*
Name : *NANAK CHAND*
Date of Birth : *01.01.1942*
Nationality : *PAKISTANI*
Education : *B.Sc. CIVIL ENGINEERING*
Other Training :
Languages :

| <i>Speak</i> | <i>Read</i> | <i>Write</i> |
|--|--|--|
| <i>Pashto, English, Urdu, Hindko</i> | <i>Pashto, English, Urdu, Hindko</i> | <i>Pashto, English, Urdu, Hindko</i> |

Membership of Professional Societies : *PAKISTAN ENGINEERING COUNCIL*
Countries of Work Experience : *PAKISTAN*
Employment Record

From: *JUNE, 2001* *To:* *DATE*
Employer : *Development Management Consultants*
Position Held : *Responsible for the preparation of Technical Proposals and*
Description of Duties : *maintaining the design and construction supervision activities*
*carried out under **DMC**'s projection.*

From: *JAN,1977* *To:* *JUNE,2000*
Employer : *WAPDA*
Position Held : *Served in WAPDA for 24 Years at various locations in Pakistan in*
Description of Duties : *the capacity of Operation Engineer, Construction Engineer and*
then promoted to the position of Director. As Director I served in
training as well as operation and then retired in that capacity.

Name of the Firm : *DEVELOPMENT MANAGEMENT CONSULTANTS*
Discipline/ Expertise : *DESIGN ENGINEER*
Name : *HABIBULLAH*
Date of Birth : *04.02.1947*
Nationality : *PAKISTANI*
Education : *B.Sc. B.E. (CIVIL)*
Other Training :
Languages :

| <i>Speak</i> | <i>Read</i> | <i>Write</i> |
|--|--|--|
| <i>Pashto, English, Urdu, Hindko</i> | <i>Pashto, English, Urdu, Hindko</i> | <i>Pashto, English, Urdu, Hindko</i> |

Membership of Professional Societies : *PAKISTAN ENGINEERING COUNCIL*
Countries of Work Experience : *PAKISTAN*
Employment Record

From: *JUNE, 2001* *To:* *DATE*
Employer : *Development Management Consultants*
Position Held : *MANAGER OPERATIONS*
Description of Duties

From: *DEC, 1999* *To:* *MAY, 2001*
Employer : *ENGINEERING CONSULTANTS*
Position Held : *SENIOR ENGINEER*
Description of Duties : *Worked as Senior Engineer/Project Manager at Primary Education Project funded by World Bank and KFW (Germany) under CAU/Directorate of Primary Education at Peshawar District*

From: *MARCH, 1999* *To:* *NOV, 1999*
Employer : *KARKON*
Position Held : *PROJECT MANAGER*
Description of Duties : *Worked as Project Manager at construction of Roads and culverts Project at export Processing Zone Risalpur under S.D.A*

From: *MARCH, 1990* *To:* *OCT, 1991*
Employer : *CME*
Position Held : *PROJECT MANAGER*
Description of Duties : *Worked as Project Manager at Abu Dhabi Palace Project Murree with C.M.E Builders (Pvt) Ltd. Lahore Branch of M/S Technical Associate Pakistan (Pvt) Ltd*

From: JAN, 1974 *To:* OCT, 1990
Employer : NATIONAL CONSTRUCTION COMPANY
Position Held : Junior Engineer, Site Engineer, Senior Engineer, Project Engineer, Project Manager
Description of Duties Worked with N.C.C (Pak) Ltd. As Junior Engineer on the following project.

- N.C.C (Pak) Ltd. Main office building Islamabad.
- Angoori Bagh Housing Project/National Bank Building, Lahore.
- Karachi Kemari Oil storage Tanks/Korangi Thermal Power Station, Karachi.

From: JAN, 1971 *To:* MARCH, 1971
Employer : TERBELA DAM JOINT VENTURE
Position Held : JUNIOR ENGINEER
Description of Duties Worked as junior Engineer with M/S T.J.V (Tarbela Dam Jpint Venture) Tarbela in Tunnel Section.

Name of the Firm : DEVELOPMENT MANAGEMENT CONSULTANTS
Discipline/ Expertise : PROJECT ENGINEER
Name : ZAHID UR RAHMAN
Nationality : PAKISTANI
Education : B.Sc CIVIL ENGINEERING
Languages : Speak Read Write
ENGLISH, URDU, ENGLISH, URDU, ENGLISH, URDU,
PUSHTO, PUSHTO, PUSHTO,

Membership of Professional Societies : PAKISTAN ENGINEERING COUNCIL
Countries of Work : PAKISTAN
Experience
Employment Record

From: JUNE, 2001 To: DATE
Employer : Development Management Consultants
Position Held : MANAGER STRUXTURE DESIGN
Description of Duties : Working as Project Engineer for the Development Management Consultants executing the establishment of Refugee Camps and allied services in Kurram Agency for the displaced persons of Afghanistan. The work includes land leveling, construction of non-metal roads, water supply schemes and drainage.

From: MAY, 1993 To: MAY, 2001
Employer : MANSEHRA VILLAGE SUPPORT PROJECT NWFP
Position Held : PROJECT ENGINEER
Description of Duties :

- ◆ Worked as Project Engineer MVSP Mansehra spread over 5750 Sq. Km a US\$ 24.5 million multi sectorial project jointly financed by International Fund for Agriculture Development and Islamic Development Bank for poverty alleviation in upper part of the country. The unique Project, where Govt. Line Agencies i.e. Communication & Works, Irrigation, Agriculture Research, Agriculture Extension, Livestock and Dairy Development, Fruit & Vegetable Development Board, Forestry and an NGO SRSC collaborated for redresses of the immediate needs of the rural poor and initiated activities for increasing the levels of their incomes.
- ◆ Work included liaising with the civil works departments for implementation of 50 km farm-to-market roads, one bridge and 20 civil irrigation channels.
- ◆ Monitored the progress of implementation activities of the works departments and reported to Project Management Unit, pointed out deficiencies and suggested possible solutions, ensured the timely and quality implementation of the projects.
- ◆ Reviewed the proposals and monitored the execution of over 500 small-scale village based infrastructure schemes by the village committees under the supervision of NGO Sarhad Rural Support Corporation.
- ◆ Assisted the Project in implementing its procurement plans, including vehicles, office fixtures and furniture. Helped in setting up a Seed Cleaning and Grading Plant in Agriculture Research Station.

- ◆ *Managed and facilitated the Donors Missions including the full fledged Mid-Term Review Mission and President IFAD visits to the Project area.*
- ◆ *Managed the Project for routine functions during absence of the Project Manager.*

From: JAN, 1989 *To:* JULY, 1993
Employer : GADOON AMAZAI AREA DEVELOPMENT PROJECT TOPI
Position Held : ZONAL ENGINEER
Description of Duties

- ◆ *As in-charge of a compact engineering unit monitored and supervised the implementation of civil works projects according to the proposed construction plans as executed by the Line Agencies and Local Committees and provided them with technical guidance. Ensured the work progress according to the stipulated plans. Assisted the Director in handing over the completed schemes to the Departments.*
- ◆ *Managed the civil work portfolio with USAID authorities and helped resolve various issues related to implementation and advances made to the Local Committees. Devised ways and means to revive the abandoned and sick sub-projects.*
- ◆ *Pursued the court cases in all the administrative districts relating to disputes concerning the implementation of projects.*

From: FEB, 1987 *To:* DEC, 1989
Employer : US AID PROJECT GADOON AMAZAI
Position Held : TRAINEE ENGINEER
Description of Duties

- ◆ *Worked on the feasibility preparation of infrastructure sub-projects in Gadoon Amazai Area Development Project Swabi, covering 256 sq. Miles, including 7 union councils spread over three districts of Swabi, Swat and Haripur. The project included Water Supply Schemes, Irrigation Channels Rural Metal and Shingle Roads, Basic Health Units, Integrated Rural Health Centers and village electrification.*
- ◆ *Prepared cost estimates, supervised civil works implementation analyzed labour and transportation costs involved and carried out the cost revisions of the major sub-projects according to the inflation and market prices.*

Name of the Firm : DEVELOPMENT MANAGEMENT CONSULTANTS
Discipline/ : PRINCIPAL ARCHITECT
Expertise
Name : MUHAMMAD KASHIF
Date of Birth : 1971
Nationality : PAKISTANI
Education : BACHELOR OF ARCHITECTURE, (DISTINCTION)
DIPLOMA OF ASSOCIATE ENGG (CIVIL)
Languages *Speak* *Read* *Write*
ENGLISH, URDU ENGLISH, URDU ENGLISH,
PUSHTO, SINDHI PUSHTO, SINDHI URDU,
Membership of PAKISTAN COUNCIL OF ARCHITECTS AND TOWN
Professional PLANNERS
Societies ARCHITECTS REG: NO. A-2153
Countries of Work PAKISTAN
Experience
Employment Record
From: OCTOBER 2004 *To:* DATE
Employer : DEVELOPMENT MANAGEMENT CONSULTANTS
Position Held : PRINCIPAL ARCHITECT
Description of Complete project handling, ranging from requirement retrieval from
Duties clients, Preliminary Design, Detail design, till its implementation and
supervision

From: JUNE 2002 *To:* OCTOBER 2004
Employer : NAEEM PASHA ARCHITECTS AND PLANNING
CONSULTANTS
Position Held : ARCHITECT
Description of Designing and Detailing of differential projects ranging from Royal
Duties Dutch embassy to residential and cultural projects

From: JUNE 2002 *To:* MAY 2003
Employer : DESIGN TECH
Position Held : ARCHITECT
Description of Designing ,Detailing and supervision of Commercial, Educational and
Duties Residential project

From: DEC 2001 *To:* MAY 2002
Employer : SARHAD RURAL SUPPORT PROGRAMME
Position Held : ENGINEER
Description of Duties Working in Community Initiative Infrastructure Project (CIIP) funded by
Department For International Development (DFID) UK.

From: JUNE 2001 *To:* DEC 2001
Employer : ARCHI ART STUDIO

Position Held : *ARCHITECT*
Description of Duties : *Planning, Designing and Detailing of Educational Projects*

From: *JAN 1996* *To:* *FEB 2001*
Employer : *BARKAT& CO*
Position Held : *JUNIOR ARCHITECT*
Description of Duties : *Planning, Preparing drawing and site supervision*

From: *JULY 1993* *To:* *JULY 1994*
Employer : *CEMCON (Pvt) Ltd*
Position Held : *CONSTRUCTION MANGER*
Description of Duties

Name of the Firm : *DEVELOPMENT MANAGEMENT CONSULTANTS*
Discipline/ : *SENIOR ARCHITECT*
Expertise
Name : *NAUSHIN RAJPER*
Nationality : *PAKISTANI*
Education : *Bachelor of Engineering with majors in Architecture.*
Post Graduate Diploma- 3D For Design and Architectural Professionals, Humber College, Toronto, Ontario (Canada).
Other Trainings : *3D Max 5.0, Character Studio, Rhino, Adobe Photoshop, Illustrator, Adobe Premiere, Macromedia Dream Weaver MX, Front Page, AutoCAD 2d, Ms-Office 2000.*
Programming Languages: HTML 4.0,
Operating Systems: MS-DOS, Windows 2000
Certificate Courses:
Certificate course on Windows 95/98, and Ms-Office 2000 from Pakistan.
Certificate course on "AutoCAD Level 1" from Pakistan.
Certificate Course on "AutoCAD Level 1 for Architects and Designers" from Sheridan College Brampton, Ontario (Canada).
Languages : *Speak Read Write*
ENGLISH, URDU ENGLISH, URDU ENGLISH, URDU,
PUSHTO, SINDHI PUSHTO, SINDHI
Membership of Professional Societies : *PAKISTAN COUNCIL OF ARCHITECTS AND TOWN PLANNERS*
Countries of Work : *PAKISTAN*
Experience
Employment Record
From: APRIL 2001 To: DATE
Employer : *DEVELOPMENT MANAGEMENT CONSULTANTS*
Position Held : *SENIOR ARCHITECT*
Description of Duties : *Responsible for gathering client's requirement, prepare initial Design Sketch ,and then Final design tell it implementations Complete project handling, ranging from requirement retrieval from clients, Preliminary Design, Detail design, till its implementation and supervision.*

From: May 2003 To:
Employer : *Makow Associates Architect Inc. Toronto, Ontario (Canada)*
Position Held : *3D MODELER & Caroline web designer*
Description of Duties : *Prepared 3D models of residential buildings (3D Max)*
Reviewed drawings in Auto Cad.
Rendered images with maps and lighting effects (3D Max)
Developed 3d Materials and Textures using 3D max and Photoshop

From: April 2001 *To:* September 2001
Employer : Qureshi Associates
Position Held : *Architect*
Description of Duties *Responsible for gathering client's requirement.*
Initiated site surveys.
Prepared feasibility report.
Design site plans, project plan, and detail drawing,
Design:
Experienced in designing interiors for residences, office spaces,
shops, laboratories, and showrooms with both modern & classical
details
Skilled in furniture designing and interior façade detailing.
Designed multi-story buildings: residential, office, markets,
commercial buildings and an auditorium for school (plan,
elevation & details)
Developed personal specialty in using wood, steel, glass, & other
materials in interior designing
Supervision:
Interior projects with management of construction phases,
selecting materials & items and consult with clients.
Directed other drafters in preparing drawings and specification
documents. Construction work for buildings

Name of the Firm : DEVELOPMENT MANAGEMENT CONSULTANTS
Discipline/ : WATER SUPPLY SPECIALIST
Expertise
Name : NIAZ MUHAMMAD
Date of Birth : June 14, 1961
Nationality : PAKISTANI
Education : M.Sc. Engineering (Water Resources), 2001
 B.Sc. Engineering (Civil), 1989
 Diploma of Associate Engineers (Civil), 1983
Other Trainings : One day National Workshop (January 28, 2004) on “Water, Dams and Development” at National Library of Pakistan, Islamabad. (Organized by Foundation for ‘Progress’, in collaboration with Department of Irrigation & Power, Government of Sindh, and Ministry of Water & Power, Government of Pakistan)
 Three months course (January 17, 2000 to March 16, 2000) on “Project Planning and Evaluation” at Department of Economics, University of Peshawar, N.W.F.P.
 Five days training course (October 13-17, 1998) on “Primary Health Care Management Problems” at Peshawar, N.W.F.P. (Pakistan Academy for Rural Development).
 One day workshop (September 29, 1998) on “Analyzing ADP-schemes with respect to Progress, Planning & Evaluation Information generated through the Scheme Monitoring & Evaluation System (SMES)” at Saidu Sharif, Swat, N.W.F.P. (Planning, Environment & Development Department sponsored).
 Two days workshop (November 11-12, 1997) on “Community Participation” at PMU office (Dir District Development Project) Timergara, District Dir, N.W.F.P. (UNDP sponsored).
 Microsoft Office, AutoCAD, KyPipe, WaterCAD, SAP 2000, PCACOL GeoStudio

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|------------------|---------------|---------------|-------------------------------|
| <i>Languages</i> | <i>Speak</i> | <i>Read</i> | <i>Write</i> |
| | ENGLISH, URDU | ENGLISH, URDU | ENGLISH, URDU, PUSHTO, SINDHI |

Membership of Professional Societies : Pakistan Engineering Council (Civil/11649)

Countries of Work Experience : PAKISTAN, PAKISTAN

Employment Record

From: APRIL 2005 *To:* DATE
Employer : DEVELOPMENT MANAGEMENT CONSULTANTS
Position Held :
Description of Duties

From: July, 2004 *To:* APRIL 2005
Employer : Freelance Consultant
Position Held : Strength and Usability Assessment of the remaining portion of Pindiali Dam, Mohmand Agency (Client: Governor's Secretariat, FATA)
Description of Duties Structural Design, Preparation of BoQ and Construction drawings of 30,000 gallons capacity overhead reservoir to be constructed at Ghazi Kot Township, Mansehra.
Control and Top Supervision of Investigations, Surveys, and other works on various water supply projects.
Conducted short trainings for various NGOs.

From: July, 2003 *To:* June, 2004
Employer : NDC-BAK Joint Venture for "Feasibility Study of Bazai Irrigation Scheme in Malakand Agency & District Mardan, NWFP, Pakistan".
Position Held : Deputy Project Manager
Description of Duties Assist the Project Manager.
Preparation of various reports such as Survey Status Report, Inception Report and Progress Reports.
Supervision of the work of Survey and Investigation teams on site.
Working out Hydrology and Crop Water requirements of the scheme.
Hydraulic and Structural Design of Canals, Tunnels, Cross-drainage works and allied components of the scheme.
Supervision of preparation of preliminary Bills of Quantities and Estimates.
Economic & Financial Analysis and to work out the Benefit-Cost ratio & EIRR.
Preparation of Feasibility report and PC-I Proforma.

From: January, 2002 *To:* June, 2003
Employer : Malakand-III Hydropower Consultants, Peshawar.
Position Held : Senior Structural Engineer
Description of Duties Review of Feasibility Study Report of Malakand-III Hydropower Project.
Preparation of working papers on Hydraulic Design of Power Channel and Sediment Excluder.
Preparation of working paper on Hydraulic and Structural Design of Tailrace and Wasteway.
Detailed Hydraulic and Structural Design of various components and preparation of Bills of Quantities.
Supervision of overall structural design activities and preparation of drawings.

From: April, 2003 *To:* May, 2003
Employer : UNDP sponsored "Lachi Poverty Reduction Project" District Kohat, NWFP
Position Held : Member of the Team of Consultants (Comprising two Engineers)
Description of Duties Evaluation of 63 small dams constructed in Tehsil Lachi, District Kohat under Lachi Poverty Reduction Project (LPRP).
Preparation of Evaluation Report on 63 Small dams constructed under LPRP.

Preparation of Technical Design and O&M Manual for small dams in Lachi.

From: July, 2001 *To:* December, 2001
Employer : NWFP Works & Services Department, Peshawar
Position Held : Planning Officer, SAP (Social Action Programme) Monitoring Unit
Description of Duties : Preparation of Monthly, Quarterly & Yearly Statements of Expenditures.
Preparation of Quarterly Monitoring Reports, and Annual Operational Plans.
Coordination between the Department, the Provincial SAP Coordinator, Multi Support Unit & the Donors.

From: March, 2000 *To:* July, 2001
Employer : NWFP Public Health Engineering Department PHE Division, Abbottabad
Position Held : Sub-Divisional Officer, PHE Sub-Division-II
Description of Duties : Planning, Designing, Preparation of Estimates and Execution of Rural Water Supply and Sanitation Schemes for small communities spread over the entire District of Abbottabad.
Operation and Maintenance of more than 80 Rural Water Supply Schemes (both pumping and gravity).
Keeping financial accounts of all the works of the Sub-Division.
Motivation and mobilization of beneficiary communities towards taking-over the operation and maintenance responsibilities of their water supply and sanitation schemes.

From: September, 1999 *To:* March, 2000
Employer : NWFP Public Health Engineering Department Directorate of Planning & Design, Peshawar
Position Held : Assistant Design Engineer
Description of Duties : Review of designs received from field offices.
Planning, Design and evaluation of Estimates and BoQs of various Rural Water Supply and Sanitation Schemes in Southern Districts of NWFP – Pakistan

From: August, 1997 *To:* September, 1999
Employer : NWFP Public Health Engineering Department PHE Division, Dir at Timergara
Position Held : Sub-Divisional Officer, Timergara Sub-Division
Description of Duties : Planning, Designing, Preparation of Estimates and Execution of Rural Water Supply and Sanitation Schemes for small communities in widely scattered locations.
Operation and Maintenance of 150 Rural Water Supply Schemes, about half of which were spring based gravity schemes.
Keeping financial accounts of all the works of the Sub-Division.
Community mobilization & motivation towards taking over the future operation & maintenance responsibilities of the water supply & sanitation facilities provided by the Government.

From: January, 1996 *To:* August, 1997
Employer : NWFP Public Health Engineering Department Directorate of Planning & Design, Peshawar
Position Held : Assistant Design Engineer
Description of Duties : Review of designs received from field offices.
Planning, Design and evaluation of Estimates and BoQs of various Rural Water Supply and Sanitation Schemes in Southern Districts of NWFP – Pakistan.

From: March, 1994 *To:* December, 1995
Employer : NWFP Public Health Engineering Department, Afghan Refugees Water Supply Division, Peshawar. (UNHCR Funded Project).
Position Held : Sub-Divisional Officer, A/R W.S. Sub-Division, Mardan
Description of Duties : Operation, Maintenance and Repair of Water Supply Schemes constructed for Afghan Refugees' Camps spread over five districts of NWFP. (i.e. Districts of Mardan, Swabi, Haripur, Abbottabad and Manshehra).
Helping UNHCR to transfer operation and maintenance responsibilities of the schemes to the beneficiaries

From: September, 1992 *To:* March, 1994
Employer : NWFP Public Health Engineering Department Directorate of Planning & Design, Peshawar.
(attached with M/s DORSCH Consult of Germany, who were engaged on Planning, Designing and Execution of a KfW funded project, "Water Supply and Sanitation Measures in NWFP – Phase III").
Position Held : Assistant Design Engineer
Description of Duties : Preparation of completion reports of "Water Supply and Sanitation Measures in NWFP-Phase-II" project.
Review of Surveys, Design and Preparation of BoQs for Water Supply and Sanitation Schemes for 18 selected Towns of various districts of NWFP

From: September, 1992 *To:* August, 1997
Employer : M/s BAK Consulting Engineers
Position Held : Design Engineer (Part Time)
Description of Duties : Hydrological studies, Crop water requirement calculations, Hydraulic & Structural Design of intake works, Canals, and allied structures of Gopalam Irrigation Scheme, District Dir.
Review of hydrologic studies done for Upper Swat Canal and assisted Chief Design Engineer for the Pre-feasibility & Feasibility Stage design of Power Channel, Tunnels, Sediment Excluder, Spillway, Tailrace & Wasteway, and other allied structures of Malakand-III Hydropower scheme.
Design assistance for Matiltan Hydro-electric Project Power Tunnel & preparation of BoQ thereof.
Studies of Swat river Power potential

From: June, 1991 *To:* September, 1992

Employer : *M/s BAK Consulting Engineers, Peshawar, Pakistan*
Position Held : *Junior Engineer*
Description of Duties : *Hydrological studies, data analyses and design of hydraulic structures of Shishi River Hydropower station in District Chitral.*
Design of pedestrian bridge at NWFP Agricultural University, Peshawar.
Surveys for the rehabilitation of main highways in Afghanistan damaged during the Russian occupation and Civil war.

From: *January, 1990* *To:* *June, 1991*
Employer : *NWFP University of Engineering & Technology, Peshawar*
Position Held : *Lecturer (Civil Engineering Department)*
Description of Duties : *Teaching Hydraulics/Fluid Mechanics, Survey & Leveling and Strength of Materials.*

From: *January, 1990* *To:* *June, 1991*
Employer : *M/s BAK Consulting Engineers, Peshawar, Pakistan*
Position Held : *Junior Engineer (Part Time).*
Description of Duties : *Hydrological studies, data collection, analyses and design of Five Small dams and appurtenant irrigation systems in South Waziristan Agency and Frontier Region of Dera Ismail Khan.*
Feasibility Study of Zaibi Dam in District Karak.

From: *May, 1989* *To:* *January, 1990*
Employer : *M/s BAK Consulting Engineers, Peshawar, Pakistan.*
Position Held : *Junior Engineer*
Description of Duties : *Topographic Surveys of Bahadar Khel highway tunnel.*
Command area survey of Zaibi dam in District Karak.
Assisted Senior Design Engineer in the design of a Model Small Dam at Milward in Khyber Agency

From: *January, 1984* *To:* *October, 1984*
Employer : *M/s Nayab Construction Company, Mardan*
Position Held : *Assistant Site Engineer*
Description of Duties : *Supervision of Drilling of Tube Wells for various water supply schemes in District Peshawar and Mardan, NWFP.*

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| <i>Name of the Firm</i> | <i>DEVELOPMENT MANAGEMENT CONSULTANTS</i> |
| <i>Discipline/ Expertise</i> | <i>Environmental Specialist</i> |
| <i>NAME</i> | <i>SHAHZAD AFZAL KHAN</i> |
| <i>DATE OF BIRTH</i> | <i>August 01, 1964</i> |
| <i>NATIONLITY</i> | <i>PAKISTANI</i> |
| <i>PERSONAL ADDRESS</i> | <i>18, Quaid Abad No.2, Peshawar City.</i> |
| <i>TELEPHONE NO.</i> | <i>0092-91-829244, 829255</i> |
| <i>FAX NO.</i> | <i>0092-91-811830</i> |
| <i>E-MAIL ADDRESS</i> | <i>shafookhan@yahoo.com</i> |
| <i>EDUCATION</i> | <i>M.S. (Environmental Engineering), B.Sc. (Civil)</i> |
| <i>OTHER TRAINING</i> | |
| <i>LANGUAGE & DEGREE OF PRFICIENCY</i> | <i>Pashto Mother Tongue. English: Excellent Urdu: Excellent</i> |
| <i>MEMBERSHIP IN PROFESSIONAL SOCIETIES</i> | <i>PAKISTAN ENGINEERING COUNCIL (PAKISTAN)</i> |
| <i>COUNTRIES OF WORK EXPERIENCE</i> | |
| <i>EMPLOYMENT RECORD</i> | <i>Frontier Highways Authority</i> |
| <i>FROM: June 2002</i> | <i>TO: to date</i> |
| <i>POSITION HELD</i> | <i>Assistant Director (Construction)</i> |
| <i>DESCRIPTION OF DUTIES</i> | <i>Responsibilities include:</i> |
| <i>DETAILED TASKS ASSGNE</i> | <ul style="list-style-type: none"> • <i>Scrutiny of Environmental Impact Assessment and Initial Environmental Examination submitted by consultants for various road projects.</i> • <i>Scrutiny of PC-Is and other related documents for various road projects.</i> • <i>Preparation of presentations in respect of Frontier Highways Authority schemes.</i> |
| <i>EMPLOYMENT RECORD</i> | <i>Works & Services Department</i> |
| <i>FROM: July 2001</i> | <i>TO: May 2002</i> |
| <i>POSITION HELD</i> | <i>Assistant Director (District Government)</i> |
| <i>DESCRIPTION OF DUTIES</i> | <i>Responsibilities include:</i> |
| <i>DETAILED TASKS ASSGNE</i> | <ul style="list-style-type: none"> • <i>Preparation & Supervision of Building Projects related to Education Department.</i> |
| <i>EMPLOYMENT RECORD</i> | <i>Communication & Works Department</i> |
| <i>FROM: October 1999</i> | <i>TO: June 2001</i> |
| <i>POSITION HELD</i> | <i>Leave Reserve</i> |
| <i>DESCRIPTION OF DUTIES</i> | |

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| DETAILED TASKS ASSGNE | NIL |
| EMPLOYMENT RECORD | <i>Communication & Works Department</i> |
| FROM: August 1998 | TO: September 1999 |
| POSITION HELD DESCRIPTION OF DUTIES DETAILED TASKS ASSGNE | <i>Sub Divisional Officer</i> <i>Responsibilities included:</i> <ul style="list-style-type: none"> • <i>Contractors Enlistment</i> • <i>Traffic Data Collection</i> |
| EMPLOYMENT RECORD | <i>Communication & Works Department</i> |
| FROM: October 1996 | TO: July 1998 |
| POSITION HELD DESCRIPTION OF DUTIES DETAILED TASKS ASSGNE | <i>Assistant Engineer (Design)</i> <i>Responsibilities included:</i> <ul style="list-style-type: none"> • <i>Scrutiny of PC-1s, Design and other related documents for various buildings & road projects.</i> |
| EMPLOYMENT RECORD | <i>Communication & Works Department</i> |
| FROM: September 1994 | TO: September 1996 |
| POSITION HELD DESCRIPTION OF DUTIES DETAILED TASKS ASSGNE | <i>Sub Divisional Officer (Drosh)</i> <i>Responsibilities included:</i> <i>Preparation & Supervision of Building & Road Projects.</i> |
| EMPLOYMENT RECORD | <i>Communication & Works Department</i> |
| FROM: April 1994 | TO: August 1994 |
| POSITION HELD DESCRIPTION OF DUTIES DETAILED TASKS ASSGNE | <i>Sub Divisional Officer (Building Project)</i> <i>Responsibilities included:</i> <i>Preparation & Supervision of Building Projects related to Health Department</i> |
| EMPLOYMENT RECORD | <i>Communication & Works Department</i> |
| FROM: March 1992 | TO: March 1994 |
| POSITION HELD DESCRIPTION OF DUTIES DETAILED TASKS ASSGNE | <i>Sub Divisional Officer (FR Kohat)</i> <i>Responsibilities included:</i> <i>Preparation & Supervision of Building & Road Projects</i> |
| EMPLOYMENT RECORD | <i>Communication & Works Department</i> |
| FROM: September 1990 | TO: February 1992 |
| POSITION HELD DESCRIPTION OF DUTIES DETAILED TASKS ASSGNE | <i>Sub Divisional Officer (Education Project)</i> <i>Responsibilities included:</i> <i>Preparation & Supervision of Building Projects related to Education Department</i> |
| EMPLOYMENT RECORD | <i>National Engineering Services of Pakistan (NESPAK)</i> |

FROM: April 1989

TO: February 1990

POSITION HELD

Junior Engineer

DESCRIPTION OF DUTIES

DETAILED TASKS

Responsibilities included:

ASSGNE

Design of drainage schemes.

Name of the Firm : *DEVELOPMENT MANAGEMENT CONSULTANTS*
Discipline/ Expertise : *WATER RESOURCE SPECIALIST*
Name : *RIAZ AHMAD KHAN*
Nationality : *Pakistani*
Education : *MSc (Water Resources)- NWFP University of Engineering and Technologies Peshawar*
B.Sc (Civil Engineering)- NWFP University of Engineering & Technologies Peshawar Pakistan-1983.
B.Sc: (Triple Maths) - University of Peshawar, Pakistan 1983.
Diploma (Civil Engineering)- NWFP Board of Technical Education Peshawar, Pakistan- 1979.
Other Training : *Certificate Course in Participatory Irrigation Management, Bari-Italy: October 2001.*
Certificate Course- Operation of Irrigation System- 1987 Peshawar-Under Utah State University USA

Employment Record

| <i>From:</i> | <i>To:</i> | <i>Date</i> |
|------------------------------|------------|-------------|
| <i>Employer</i> | : | |
| <i>Position Held</i> | : | |
| <i>Description of Duties</i> | : | |

| | | | |
|------------------------------|---------------------|---|-------------|
| <i>From:</i> | <i>August, 2004</i> | <i>To:</i> | <i>2005</i> |
| <i>Employer</i> | : | <i>Irrigation Department Government of N-W.F.P., Pakistan</i> | |
| <i>Position Held</i> | : | <i>Director Planning and Design</i> | |
| <i>Description of Duties</i> | : | <i>Responsible for Planning and Monitoring of development works in development wing of Irrigation tube wells and lift Irrigation schemes.</i> | |

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|------------------------------|-------------------|---|---------------------|
| <i>From:</i> | <i>March 2004</i> | <i>To:</i> | <i>August, 2004</i> |
| <i>Employer</i> | : | <i>Irrigation Department Government of NWFP, Pakistan</i> | |
| <i>Position Held</i> | : | <i>Deputy Director, National Drainage Program</i> | |
| <i>Description of Duties</i> | : | <i>Responsible for preparation of tender documents / request for proposals for various consultancy services, day to day coordination with Asian Development Bank, World Bank, Pakistan Drainage Consultants and NWFPIDA</i> | |

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|------------------------------|---------------------|--|--------------------|
| <i>From:</i> | <i>August, 2003</i> | <i>To:</i> | <i>March, 2004</i> |
| <i>Employer</i> | : | <i>Irrigation Department Government of NWFP, Pakistan</i> | |
| <i>Position Held</i> | : | <i>Executive Engineer, Tube Wells Irrigation Division Peshawar</i> | |
| <i>Description of Duties</i> | : | <i>Responsible for construction and maintenance of SCARP as well as Irrigation tube wells and lift Irrigation schemes.</i> | |

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|------------------------------|--------------------|--|---------------------|
| <i>From:</i> | <i>November 95</i> | <i>To:</i> | <i>August, 2003</i> |
| <i>Employer</i> | : | <i>Irrigation Department Government of NWFP, Pakistan</i> | |
| <i>Position Held</i> | : | <i>Deputy Director, National Drainage Program</i> | |
| <i>Description of Duties</i> | : | <i>Responsible for preparation of tender documents / request for proposals for various consultancy services, day to day coordination with Asian Development Bank, World Bank, Pakistan Drainage Consultants and NWFPIDA.</i> | |

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|--------------|--------------------|------------|--------------------|
| <i>From:</i> | <i>November 95</i> | <i>To:</i> | <i>November 98</i> |
|--------------|--------------------|------------|--------------------|

Employer : Irrigation Department Government of NWFP, Pakistan
Position Held : Executive Engineer Malakand Irrigation Division Pakistan
Description of Duties : Responsible for maintaining Upper Swat Canal System including Amandara Headwork, Additional training works and flood protection works on Swat river, design construction and maintenance of road, design construction and maintenance of tube/ dug wells, maintenance of buildings assessment of water rates

From: *To:*
Employer : Irrigation Department Government of NWFP, Pakistan
Position Held :
Description of Duties

From: Nov. 94 *To:* November 95
Employer : Irrigation Department Government of NWFP, Pakistan
Position Held : Executive Engineer Flood & Drainage Division Timergara
Description of Duties : Responsible for planning, designing and construction of flood protection and river training works on Swat river on other hill torrents

From: May. 92 *To:* November 94
Employer : Irrigation Department Government of NWFP, Pakistan
Position Held : Senior Irrigation Engineer, Planning Development & Environment Department (WSIPC) Government of N-W.F.P.
Description of Duties : Responsible for planning, technical and financial evaluation of water sector projects.

From: May 91 *To:* May 92
Employer : Irrigation Department Government of NWFP, Pakistan
Position Held : Assistant Design Engineer, Chief Engineer Irrigation Office
Description of Duties : Responsible for designing and technical, financial evaluation of all the project being executed in the Irrigation Department.

From: October, 89 *To:* May 91
Employer : Irrigation Department Government of NWFP, Pakistan
Position Held : Sub Divisional Officer Paharpur Irrigation Sub-Division D.I.Khan
Description of Duties : Responsible for the maintenance of Paharpur canal system, construction of new irrigation channels, roads, buildings & its maintenance

From: Sept. 87 *To:* Oct 89
Employer : Irrigation Department Government of NWFP, Pakistan
Position Held : Assistant Design Engineer, Chief Engineer Irrigation Office
Description of Duties : Responsible for designing all project being executed in the Irrigation Department

From: April 86 *To:* Sept 87
Employer : Irrigation Department Government of NWFP, Pakistan
Position Held : Sub Divisional Officer, Timergara Irrigation Sub-Division
Description of Duties : Responsible for the maintenance of various flow and lift irrigation schemes, construction of new irrigation channels and flood protection works.

From: 93 *To:* Nov 94

Employer : *Peshawar Development Authority*
Position Held : *Assistant Director (Technical) Hayat Abad Peshawar, Pakistan*
Description of Duties : *Responsible for construction of various developmental projects in the township*

Languages: *English, Pashto, Urdu*
Computer skill: *Typing 45wpm, well versed with; Windows, WordPerfect. Power Point etc*
Date of birth: *March 22, 1956*
NIC #: *17301-1310972-5*
Passport No *K 658901 (Valid up to September 13,2006)*

REFERENCES

- Engr. Allah Bakhsh Baloch, Ex- Chief Engineer, Irrigation Department NWFP.*
- Engr. Raqib Khan, Ex-Chief Engineer , Irrigation Department NWFP*

Name of the Firm : *DEVELOPMENT MANAGEMENT CONSULTANTS*
Discipline/ Expertise : *WATER RESOURCE SPECIALIST*
Name : *MUHAMMAD NAEEM*
Nationality : *Pakistani*
Education : *B.Sc (Civil Engineering)- NWFP University of Engineering & Technologies Peshawar Pakistan-1983.*
MSc (Water Resource Engineering) NWFP University of Engineering & Tech: Peshawar Pakistan.
Other Training : *Certificate Course- Use of Micro computer i irrigation and Drainage - 1993, Utah State University USA*
Certificate Course- Design Strategy Module- 1988, Abbottabad Pakistan under USAID.
Certificate Course- Operation of Irrigation System- 1987- Peshawar- Under Utah State University USA.

EMPLOYMENT RECORD

From: 2005 *To:*
Employer : *Development Management Consultants*
Position Held :
Description of Duties

From: August 2004 *To:* 2005
Employer : *Irrigation Department Government of N-W.F.P., Pakistan*
Position Held : *S.E. Small Irrigation Schemes Circle*
Description of Duties : *Responsible for planning & construction of new irrigation canals*

From: November 2002 *To:* August 2004
Employer : *Irrigation Department Government of N-W.F.P., Pakistan*
Position Held : *XEN Warsak Canal System*
Description of Duties : *Responsible for maintaining Warsak Canal System including power house for lift scheme, Warsak Tunnel etc, design construction and maintenance of road, design construction and maintenance of buildings assessment and collection of water rates*

From: September, 2000 *To:* November, 2002
Employer : *Irrigation Division Pakistan*
Position Held : *Executive Engineer Flood and Drainage Peshawar*
Description of Duties : *Responsible for designing, construction and maintenance of Flood Protection works on various rivers in Peshawar.*

From: July 1997 *To:* September, 2000
Employer : *Irrigation Department Government of N-W.F.P., Pakistan*
Position Held : *Deputy Project Director Swabi SCARP*
Description of Duties : *Working in collaboration with International Consultants on an Asian Development Bank financed Swabi SCARP in Mardan Swabi and Charsadda Districts of NWFP Pakistan.*

From: November 1994 *To:* July 1997
Employer : Irrigation Department Government of N-W.F.P., Pakistan
Position Held : Executive Engineer, Marwat Canal Division Bannu
Description of Duties : Responsible for design, maintenance of Marwat Canal System in Bannu

From: March 1994 *To:* November 1994
Employer : Irrigation Department Government of N-W.F.P., Pakistan
Position Held : Section Officer, Irrigation Department
Description of Duties : Responsible for checking designs of various irrigation systems in NWFP on behalf of Secretary Irrigation NWFP.

From: September 1992 *To:* March 1994
Employer : Irrigation Department Government of N-W.F.P., Pakistan
Position Held : Technical Officer
Description of Duties : Worked with International Consultants on Design and Feasibility of Pehur Main Canal

From: November 1985 *To:* September 1992
Employer : Irrigation Department Government of N-W.F.P., Pakistan
Position Held : Assistant Engineer
Description of Duties : Worked in Irrigation Sub Divisions and Design Office of Chief Engineer Irrigation

From: 1984 *To:* 1985
Employer : Macdonald Layton and Company
Position Held : Site Engineer
Description of Duties : Worked on the multistoried hospital complex project Islamabad Pakistan in collaboration with Japanese Consultants (Tobishima)

Languages: English, Pashto, Urdu
Office skills: Typing 45wpm, well versed with; Windows, WordPerfect. Power Point etc
Date of birth: June 03, 1958
NIC #: 15302-1003629-1
Passport No KAS 17667

REFERENCES

- Engr. Allah Bakhsh Baloch, Chief Engineer (Operation) Irrigation Department NWFP.
- Engr. Raqib Khan, Chief Engineer (Development) Irrigation Department NWFP.

Name of the Firm : *DEVELOPMENT MANAGEMENT CONSULTANTS*
Discipline/ Expertise : *WATER RESOURCE SPECIALIST*
Name : *ALI-UR-REHMAN*
Date of Birth :
Nationality : *Pakistani*
Education : *MSc (Water Resource Engineering) NWFP University of Engineering & Tech: Peshawar Pakistan-2005*
B.Sc. (Civil Engineering)- NWFP University of Engineering & Technologies Peshawar Pakistan-1994.
B-Tech (Civil Engineering) - NWFP University of Engineering & Technologies Peshawar- 1990
Diploma of Civil Engineering, -Board of Technical Education NWFP Pakistan - 1986

EMPLOYMENT RECORD

From: 2005 *To:*
Employer : *Development Management Consultants*
Position Held :
Description of Duties

From: August 2004 *To:* 2005
Employer : *Irrigation Department Government of N-W.F.P*
Position Held : *Assistant Engineer,*
Description of Duties *Project Circle for Small Irrigation Schemes - Responsible for planning & construction of new irrigation canals*

From: November 2002 *To:* August 2004
Employer : *Irrigation Department Government of N-W.F.P*
Position Held : *Sub Divisional Officer*
Description of Duties *Warsak Gravity Canal - Responsible for maintaining Warsak Gravity Canal System, Warsak Tunnel etc, design construction and maintenance of road, design construction and maintenance of buildings assessment and collection of water rate*

From: December 2000 *To:* November 2002
Employer : *Irrigation Department Government of N-W.F.P*
Position Held : *Sub Divisional Officer*
Description of Duties *Mechanical Irrigation Sub Division Mardan.. Responsible for operation and Maintenance of various heavy earth moving machinery , uses of machinery on various projects, its estimation etc.*

From: July 2000 *To:* December 2000 Leave reserve
Employer : *Irrigation Department Government of N-W.F.P*
Position Held : *Sub Divisional Officer*
Description of Duties *Worked on various works assigned by the Department*

From: August 1999 *To:* June 2000

Employer : *Irrigation Department Government of N-W.F.P*
Position Held : *Assistant Engineer*
Description of Duties : *Swabi SCARP-Worked in collaboration with International Consultants on an Asian Development Bank financed Swabi SCARP in Mardan Swabi and Charsadda Districts of NWFP Pakistan.*

From: *January 1996* *To:* *August 1999*
Employer : *Irrigation Department Government of N-W.F.P*
Position Held : *Graduate Sub Engineer*
Description of Duties : *Malakand Irrigation Division .- Responsible for operation and maintenance of canals and other infrastructure, assessment of abiana etc*

From: *November 1994* *To:* *December 1995*
Employer : *Irrigation Department Government of N-W.F.P*
Position Held : *Graduate Sub Engineer*
Description of Duties : *Swat Irrigation Division Swat -Responsible for maintenance and operation of canals and other irrigation infrastructure and ADP Works*

From: *December 1993* *To:* *November 1994*
Employer : *Irrigation Department Government of N-W.F.P*
Position Held : *Sub Engineer*
Description of Duties : *Hydrology Irrigation Division Peshawar- Responsible for analysis of various rain as well as river gauges and prediction of floods etc.*

From: *July 1988* *To:* *September 1989*
Employer : *Irrigation Department Government of N-W.F.P*
Position Held : *Sub Engineer*
Description of Duties : *Swat Irrigation Division Swat -Responsible for maintenance and operation of canals and other irrigation infrastructure and ADP Works*

From: *April 1987* *To:* *July 1988*
Employer : *Dir District Development Project NWFP*
Position Held : *Sub Engineer*
Description of Duties : *Responsible for coordination with various line agencies regarding developmental works under UNFDC funds*

Languages: *English, Pashto, Urdu, Arabic*
Office skills: *Typing 15wpm, well versed with; Windows, WordPerfect. Power Point etc*
Date of birth: *October 07, 1966*
NIC #: *15401-5594412-5*

REFERENCES

- *Engr. Riaz Ahmad Khan, Superintending Engineer Irrigation Department NWFP Pakistan.*
- *Engr. Muhammad Naeem, Superintending Engineer Irrigation Department NWFP Pakistan.*

Name of the Firm : *DEVELOPMENT MANAGEMENT CONSULTANTS*
Discipline/ Expertise : *COMMUNITY DEVELOPMENT SPECIALIST*
Name : *MUHAMMAD SARTAJ KHAN*
Date of Birth : *25.03.1958*
Nationality : *PAKISTANI*
Education : *M.A HISTORY, L.L.B PESHAWAR UNIVERSITY*
Other Training : *MARCH, 1983, BERLIN, GERMANY :INTERNATIONAL WORKSHOP ON*
“PLANNING FOR EXECUTION OF AGRICULTURE EXTENSION
PROGRAM
Languages : *Speak Read Write*
ENGLISH, URDU, ENGLISH, URDU, ENGLISH,
PUSHTO PUSHTO URDU,PUSHTO
Countries of Work
Experience : *PAKISTAN*
Employment Record

From: *OCT, 2002* *To:* *DATE*
Employer : *DEVELOPMENT MANAGEMENT CONSULTANTS*
COMMUNITY DEVELOPMENT SPECIALIST
Development Management Consultants
Position Held : *Providing advisory services at the policy level to the projects being*
Description of Duties : *undertaken by the firm within the social sector.*

From: *JAN, 1997* *To:* *SEP, 2003*
Employer : *SOUTH ASIA POVERTY ALLEVIATION PROGRAM*
Position Held : *PROGRAM MANAGER*
Description of Duties : *South Asia Poverty Alleviation Program, Lachi Poverty Reduction Project - a*
UNDP funded Project in the NWFP.
The Project mobilizes the rural poor to organize into men and women's
community organizations for poverty eradication. The Project approach /
methodology is based on the principles of social mobilization for poverty
eradication.

From: *JULY, 1995* *To:* *DEC, 1996*
Employer : *SENIOR SOCIAL ORGANIZER (CONSULTANTS)*
Position Held : *SOCIAL ORGANIZER*
Description of Duties : *Senior Social Organizer (Consultant), Dir District Development Project, a*
UNDCP funded Project. The Project mobilized the rural communities to for
village organizations for sustainable development. The objectives were to
eradicate poppy cultivation from the area and give an alternate means of
livelihood for the poor farmers of the area.

From: MARCH, 1994 *To:* DEC, 1994
Employer : NORTHERN RESOURCE MANAGEMENT PROJECT
Position Held : COMMUNITY DEVELOPMENT SPECIALIST
Description of Duties with Northern Resource Management Project, Rawla Kot Azad Jammu & Kashmir.

Job Description:

- *Responsible for designing management system for line agencies working with the community.*
- *Introduction of the community participation concept in the Project area.*
- *Training the Project staff in community participation & social mobilization.*
- *Preparation of Work plan and budget for the Project.*
- *Coordination with National and International donor agencies working in the area.*

From: APRIL, 1993 *To:* MARCH, 1994
Employer : LG AND RDD
Position Held : ASSISTANT DIRECTOR
Description of Duties LG&RDD: Responsible for coordination and monitoring the activities of Union Councils, Municipal Committees / Corporations and District Councils

From: MARCH, 1979 *To:* DEC, 1982
Employer : INTEGRATED RURAL DEVELOPMENT PROGRAM
Position Held : CO-OPERATIVE OFFICER
Description of Duties Cooperative Officer, Integrated Rural Development Program (IRDP) NWFP.

Job Description:

- *Formation of village organization.*
- *Implementation of development schemes with village organizations.*
- *Organizing & coordinating training for farmers in book keeping, subject matter specialists and vocational skills and coordination with line agencies.*

Name of the Firm : DEVELOPMENT MANAGEMENT CONSULTANTS
Discipline/ Expertise : MANAGER PROJECTS
Name : GUL SAYED
Date of Birth : 24.12.1953
Nationality : PAKISTANI
Education : B.Sc CIVIL ENGINEERING
Languages : Speak Read Write
ENGLISH, URDU, ENGLISH, URDU, ENGLISH, URDU,
PUSHTO HINDKO, PUSHTO
HINDKO,

Membership of
Professional Societies : PAKISTAN ENGINEERING COUNCIL
Countries of Work : PAKISTAN
Experience
Employment Record

From: JAN, 2001 To: DATE
Employer : Development Management Consultants
Position Held : RESIDENT ENGINEER
Description of Duties : Working as Resident Engineer on Khazana By Pass Road District Dir, since February 2004. The project is being implemented by Frontier Highways Authority on behalf of Government of NWFP.

From : DEC, 1998
To : DEC, 2000
Employer : ENGINEERING ASSOCIATES KARACHI
Position Held : ASSISTANT RESIDENT ENGINEER
Description of Duties : Worked as Assistant Resident Engineer Structures on Thall-Parachinar Road Project 74 KM in length from December 1998 to December 2000. The duty includes quality control, checking of steel, workmanship, checking of layout of 22 Nos. of Bridges and other structures in accordance with construction drawings, checking and approval of contractor's bills.

From: JULY, 1986 To: DEC, 1991
Employer : CEMCON (PVT)LTD
Position Held : PROJECT MANAGER,
Description of Duties : Worked with M/s CEMCON (Pvt) Ltd as Project Manager on Bazargay Navadand Road, a Project funded by Asian Development Bank from June 1986 to June 1988. Engineering University Girls Hostel and Staff Accommodation Complex Peshawar from July 1988 to August 1990, and U.S. funded Road in Mohmand/Bajaur Agencies from September 1990 to December 1991. Duties included planning, programming, scheduling, labour and equipment distribution and control, preparation of contractor's bills, preparation of budget proposal and coordination with Consultant and Client.

From: JAN,1984 *To:* MAY,1986
Employer : SUPPLIES AND CONSTRUCTION K.S.A
Position Held : CIVIL ENGINEER, SENIOR SITE ENGINEER
Description of Duties Worked with Establishment Supplies & Construction Riyadh (K.S.A) as Civil Engineer from 01-01-1984 to 30-05-1986 on Military Officers Colony Building at Rawdha (Riyadh).

Duties included execution of work as per design provided by Consultants/Client. Planning, scheduling and controlling of skilled and unskilled workers assigned to the Project Area through a team of Foremen/Leadsman and coordination with Consultants and Client.

From: SEP, 1979 *To:* FEB,1982
Employer : NATIONAL CONSTRUCTION COMPANY
Position Held : SITE ENGINEER
Description of Duties Worked with National Construction Co. on Lahore Rahim Yar Khan Road as Site Engineer from September 1979 to February 1982.
Duties included control of levels as provided in the drawings, keeping eye on all machinery/equipments and coordination with Consultant and Client.

Name of the Firm : DEVELOPMENT MANAGEMENT CONSULTANTS
Discipline/ Expertise : MANAGER HIGHWAY DESIGNS
Name : SHARIFULLAH
Nationality : PAKISTANI
Education : B.Sc CIVIL ENGINEERING
Languages :
Speak Read Write
ENGLISH, URDU, ENGLISH, URDU, ENGLISH, URDU,
PUSHTO PUSHTO PUSHTO

Membership of
Professional Societies : PAKISTAN ENGINEERING COUNCIL
Countries of Work : PAKISTAN
Experience
Employment Record

From: JAN, 2001 To: DATE
Employer : Development Management Consultants
Position Held : RESIDENT ENGINEER
Description of Duties

From: FEB, 1998 To: SEP, 2001
Employer : LOCAL GOVT: AND RURAL DEVELOPMENT
Position Held : ASSISTANT RESIDENT ENGINEER
Description of Duties : Responsibilities includes documentation/ Monthly Progress Reporting, Monitoring and evaluation of the quality and the progress achieved of the ongoing works, checking of interim payment certificate (IPCS) of the work done by the contractor, coordination with the client regarding the site related problems meeting with the contractors regarding the quality of works and to evaluate the progress achieved so far at site, & to notify the achieved progress is lagging behind/leading according to the "Work Schedule" submitted by the contractors and assigned the duty for the construction supervision of seven roads and bridges are as Follows:-
1. M-1 Jalala-Dhaki-Badragi, Road No. 203001. (Length 8.17 km) consists of 2 NO bridges. 33 No Slab/Pipe culverts, Retaining walls, Roadway excavation/Embankment, sub base, Aggregate base, Drainage & Erosion works and wearing course.
Name of the bridges:-
a. RCC Bridge over Jalala Khwar bridge Span is 16.5 Meter. The bridge consist of 4NO RCC beams and 13 NO piles including test pile, approaches, expansion joints deck slab, protection works and approaches on both side of the bridges.
b. Prestressed Bridge span is 21 meter. Bridge consist of 13 numbers of piles including one test pile 4 number PC Girders, protection works and approaches on both side of the bridges.
2. M-2 Kattigari Shero & Dheri Alo Road No. 203005. (Length 7.45 km) consists of 60 No Slab/Pipe culverts, Retaining walls, Roadway, excavation/ Embankment, sub base, Aggregate base, Drainage & Erosion works and wearing course.
3. M-3 Rustam-Pirsai, , Road No. 203029. (Length 8.675 km) consists of 1

No. Pre-Stressed Bridge. 12 No Slab/Pipe culverts, Retaining walls, Roadway excavation/Embankment, sub base, Aggregate base, Drainage & Erosion works and wearing course and one pre stressed bridge.

Pre stressed Girder Bridge over Baringar Khwar Mardan District. The bridge consists of two span each span length is 30 meter, 18 number of piles including one test pile 4 number of PC girders deck slab hand railing and expansion joints.

4. M-4 Rustam - Baroch, Road No. 203030. (Length 8.141 km) consists of 2 Nos. Bridges, Flush and Vented type causeways, 30 No Slab/Pipe culverts, Retaining walls, Roadway excavation/Embankment, sub base, Aggregate base, Drainage & Erosion works and wearing course. Name of the bridges are.

Prestressed Bridge over Baringar Khwar Mardan District.

The bridge consists of 4 number span is 23.5 mete, 16 number PC girders, 25 number piles, including test piles, 5 number pile caps, Pier shafts and transom, expansion joints, approach slabs and protection works.

RCC Bridge over Sherabad Khwar District Mardan.

Bridge Span is 15 Meters in length. The bridge consists of 8 NO RCC beams and 17 NO piles including test pile, approaches, expansion joints deck slab, protection works, and approaches on both side of the bridge.

5. S-1 Hamzakot-Permoli Road No. 204004. (Length 9.9 km). Consists of 2 Vented type causeways, 40 No Slab/Pipe culverts, Retaining walls, Roadway excavation/Embankment, sub base, Aggregate base, Drainage & Erosion works and wearing course.

6. S-2 Turlandi-Amankot Road No. 204003. (Length 13.8 km). Consists of 1 No pre-stressed bridge (25m), 45 No Slab/Pipe culverts, Retaining walls, Roadway excavation/Embankment, sub base, Aggregate base, Drainage & Erosion works and wearing course.

S-3 Ahad Khan-Managi Road No. 204008. (Length 7.5 km). Consists of 40 No Slab/Pipe culverts, Retaining walls, Roadway excavation/Embankment, sub base, Aggregate base, Drainage & Erosion works and wearing course.

From: JAN, 1997

To: DEC, 1997

Employer : KHYBER CONSULTING ENGINEERS

Position Held : STRUCTURAL / HIGHWAY ENGINEER

Description of Duties : Responsibilities includes as a structural/having engineer, monitoring and evaluation of the quality and the progress, monthly progress reporting for the ongoing projects, checking the IPCS, meeting with the contractors regarding the quality and progress of works, preparation of "Work Schedule" for the contractors, & emphasis the contractors to follow the "Work Schedule" strictly, and assigned a duty for the construction supervision of new five roads and three prestressed bridges.

- i) Improvement and Black Topping of Tormang valley Road Length 13 km
- ii) Improvement and Black Topping of Karo valley Road Length 15 km
- iii) Improvement and Black Topping of Osari valley Road Length 10 km
- iv) Improvement and Black Topping of Sultan Khel valley Road Length 10 km
- v) Improvement and Black Topping of Lajboak valley Road Length 12 km

BRIDGES:

vi) Asharigat Bridge over Panjkora River Dir District.

The bridge consist of three span each span 30 meter, 15 No of piles, 12 No PC girder, pier shaft column transom, deck slab, approach slab, hand railing, expansion joints, protection works and approaches on both sides.

vii) Khan Pur Kathyari Bridge over Kathyari Khwar

The bridge consist of 3 span each span 25 meter, 21 No of piles, 12 No PC

girder, pier shaft column transom, deck slab, approach slab, hand railing, expansion joints, protection works and approaches on both sides.
The bridge consist of 4 span each span 30 meter, 21 No of piles, 12 No PC girder, pier shaft column transom, deck slab, approach slab, hand railing, expansion joints, protection works, and approaches on both sides.
Kombat Bridge over Kamboat Khwar Dir district

From: JAN, 1996 To: DEC, 1996
Employer : KHYBER CONSULTING ENGINEERS
Position Held : CIVIL ENGINEER, SENIOR SITE ENGINEER
Description of Duties : Assigned the duties as Structural detailing of 25 No of over head reservoirs. Preparation of Structural drawings, Bar bending schedule, BOQ for construction and tendering purposes. Name with capacity of the over Head Reservoirs are as follows.

400M³ 250 M³ at Kulachi Distt. D.I.Khan
50 M³ at Lachi Distt: Kohat
100 M³ at Fattah Abdul Rahima Peshawar
100 M³ at Amandot Distt: Nowshera
100 M³ at Kattigari Distt: Mardan
400 M³ 250 M³ at Noshier Distt: Abbott bad etc

From: JAN, 1993 To: DEC, 1996
Employer : JAPAN INTERNATIONAL CO-OPERATION AGENCY
Position Held : BRIDGE ENGINEER
Description of Duties : Assigned the duty of construction supervision of 9 bridges, monthly progress report preparation, meeting with client regarding the land acquisitions problems, meeting with the contractor's engineers regarding the quality and to evaluate the progress achieved so far according to the "Work Schedule" submitted by the contractors, the duty also includes construction supervision of the following bridges.

- i) Bridge No. 20, Pre-stressed Bridge over Jalala Khwar at Sakhakot village in Malakand Agency.*
The bridge consist of 3 span, each span length is 25 meter, direct footing, pier shaft transom, 6 No P.C. Girders, deck slab approach slab, approach slab, protection work and approaches on both sides.
- ii) Bridge No. 18 Pre-stressed Bridge over Jalala Khwar near Jahzoona dag in Malakand Agency.*
The bridge consist of 3 span, each span length is 25 meter, direct footing, pier shaft transom, 6 No P.C. Girders, deck slab approach slab, approach slab protection work and approaches on both sides.
- iii) Bridge No. 19 Steel suspension Bridge over Swat river at Totakan in Malakand Agency.*
The bridge length is 90 meter, consist direct footing, abutments with towers, main trusses, main cables, suspenders, ground anchor blocks on (RHS), and LHS rock anchorages, anchor frames, expansion joints, other protection works and approaches on both sides.
- iv) Bridge No. 12 Steel plats girder bridge over Panjkora river at Khal in Dir district.*
The bridge consist of 2 span, each span length 44 meter, 14 No piles, pile caps, pier shaft and transom deck slab, approaches, protection works and approaches on both sides.
- v) Bridge No. 14 Pre-stressed Bridge over Bokrai Khwar one causeway 170m at Sammar Bagh Dir district.*

The bridge consist of 2 span each span is 25 meter length, direct footing, 4 No PC girders, deck slab, protection works and this section also consist of one flush type case 170 meter in length.

vi) Bridge steel plates girder Bridge over Swat river at Kaidam in district Swat. The bridge consists of single span of 44 meter in length, direct footing, deck slab, expansion, protection works and approaches on both sides.

vii) Bridge No. 17 Pre-stressed Bridge over Malik Pur Khwar district Buner. The bridge consist of 2 span each span is 25 meter length, pile foundation, 16 No piles, 4 No PC girders, deck slab, protection works and approaches on both sides.

Bridge No. 11 Steel suspension bridge over Chitral River in Chitral district. The bridge length is 90 meter, consist of pile footing, abutments The bridge length is 90 meter, abutments with towers, main trusses, main cables, suspenders, ground anchor blocks on (RHS), and LHS rock anchorages, anchor frames, expansion joints and other protection works, 90 No of piles, abutments with towers, main trusses, main cables, suspenders, ground anchor blocks on both sides, anchor frames, expansion joints, other protection works and approaches on both sides.

From: JAN, 1989

To: DEC, 1990

Employer : US AID

Position Held : STRUCTURAL / HIGHWAY ENGINEER

Description of Duties Assigned the duty of construction supervision of Karab-kot tatteal road length = 15km scope of work consist of 150 box culverts (single, double, Triple cell culverts).

One Flush Type causeway length = 150m & one pre-stressed bridge 50, Huge cutting of rock, Retaining wall, Sub-base and Base

Name of the Firm : DEVELOPMENT MANAGEMENT CONSULTANTS
Discipline/ Expertise : MANAGER STRUCTURES
Name : SHAKIR ULLAH
Date of Birth : 01.11.1964
Nationality : PAKISTANI
Education : B.Sc CIVIL ENGINEERING
Other Training :
Languages :
Speak Read Write
ENGLISH, URDU, ENGLISH, URDU, ENGLISH, URDU
PUSHTO PUSHTO

Membership of Professional Societies : PAKISTAN ENGINEERING COUNCIL
Countries of Work : PAKISTAN
Experience
Employment Record

From: FEB, 2002 To: DATE
Employer : DEVELOPMENT MANAGEMENT CONSULTANTS
Position Held : SITE ENGINEER
Description of Duties : As an Site Engineer in M/s Development Management Consultants **DMC**, Link Road From Bannu Township To Indus Highway Distt: Bannu

From: JAN, 2000 To: FEB, 2002
Employer : INDUS ASSOCIATES CONSULTANTS
Position Held : SITE ENGINEER
Description of Duties : As an Site Engineer in Indus Associated Consultants Supervising R.R.C.P. (JBIC) Roads 19 Km in Distt: Mardan

From: JUNE, 1994 To: DEC, 2000
Employer : GITEC
Position Held : ASSISTANT PROJECT MANAGER
Description of Duties : As an Assistant Project Manager in (GITEC) RSL (China), executing and supervising scarp (WAPDA)

From: JAN, 1988 To: FEB, 1990
Employer : ARMY HOUSING PROJECT
Position Held : SENIOR SITE ENGINEER
Description of Duties : As a Senior Site Engineer in Army Housing Project consisting of triple storied flats and allied services.

*DETAILED TASKS
ASSIGNED*

*Supervision of Natural Ground Compaction
Embankments
Sub Base, Base Course, Asphalt Works Box And Pipe Culvert
Retaining Structures*

From: December 1992 To: December 1995

Employer China Guangxi Corporation

*POSITION HELD
DESCRIPTION OF Assistant site Engineer*

*DUTIES
Supervision of Natural Ground Compaction
Embankment, Sub Base, Base Course, Asphalt Works Box And Pipe
Culverts. Retaining Structures*

From: May 1991 To: December 1992

Employer Wiqar Azeem And Company

*POSITION HELD &
DESCRIPTION OF Road Works supervision*

DUTIES

Name of the Firm : DEVELOPMENT MANAGEMENT CONSULTANTS
Discipline/ Expertise : GEO TECH SPECIALIST
Name : NASEER MOHAMMAD KHAN
Date of Birth : 1952
Nationality : PAKISTANI
Education : B.Sc CIVIL
Other Training : Project Implementation, USAID, Islamabad, Pakistan (1989)
Self-Employment (USAID, Lahore)
E-Mail Training (USAID, Islamabad)

Languages *Speak* *Read* *Write*
ENGLISH, URDU, ENGLISH, URDU, ENGLISH, URDU,
PUSHTO PUSHTO

Membership of Professional Societies P.E.C
Countries of Work Experience PAKISTAN
Employment Record

From: JAN 2001 *To:* DATE
Employer : DEVELOPMENT MANAGEMENT CONSULTANTS
Position Held : STRUCTURE ENGINEER
Description of Duties Responsible for the implementation of engineering structures during its implementation/ detailed its implementation/ detailed Supervision

From: JUNE 1998 *To:* Aug-2001
Employer : PEHUR HIGH LEVEL CANAL CONSULTANTS TARBELA
Position Held : Over all incharge of construction supervision of the two tunnels
Description of Duties Resident Engineer:

Pehur High Level Canal (PHLC), Consultants, Tarbela
Joint Venture Comprising: Lahmeyer International GmbH, Germany
Binnie & Partners (overseas) Ltd, U.K.
Hunting Technical Services, U.K.
BAK Consulting Engineers (Regd), Pakistan
NDC (Regd), Lahore, Pakistan
Overall in-charge for the construction supervision of two irrigation tunnels:
4km, 3.4 to 3.1m internal diameters with two vertical shafts; 37 and 10m depths with internal diameter of 10m. Three different construction methods were used for this tunnel: i) The New Austrian Tunnelling Method (NATM) for the excavation of 2.1km of rock tunnel, which was concrete lined; ii) Shield road header was used for the excavation of 1.3km of soft ground tunnel, with support

system of precast segments with steel lining and iii) Cut & cover for 600m length with concrete encased steel lining.
1.3km, 4.8x4.0m horseshoe profile. Construction method was also NATM. Responsibility included approval of method statements, implementation of Quality Assurance (QA) Plan, preparation of invoices, inspect and test materials used in the construction of tunnels, reviewing of claims for time extension.

From: AUG 1996 *To:* May -1998
Employer : OVERSEAS PROJECT CORPORATION VICTORIA PESHAWAR
Position Held : DEPUTY TEAM LEADER
Description of Duties Hired as Technical Advisor (TA) and later promoted to position of Deputy Team Leader
The project consisted of community development and infrastructure upgrading in 55-low income rural and urban communities in NWFP. Responsibility included overseeing and advice to integrated team of social organizers and engineers in preparing work plans (master, operational & resource), social, formation of Community Based Organization (CBO) & technical feasibility of community development schemes and approving detailed engineering design, and also approving it from CBOs. Providing on-job & in-house training to the Engineers of CIP and resource persons of CBOs on the construction procedures of community works (street paving, drainage, sanitation and water supply and its operation and maintenance). As TA was a member of procurement/contract award committee familiar with the guidelines of World Bank on procurement of works (smaller contract) and goods etc.

From: 01/95 *To:* 03/96
Employer : PHLC Consultants, Peshawar
Position Held : Resident/Design Engineer
Description of Duties Was involved in the design of the above-mentioned tunnels. Responsibilities included co-ordinating a geological discontinuity survey along the alignments of both the tunnels; compilation of all geological and geotechnical field data and assisting in the preparation of geological profiles of the tunnels. Reviewed design of the tunnels with expatriate experts. Prepared all the tunnels tender drawings, bill of quantities, technical specifications and assisted in the preparation of inception report and working paper. Accompanied expatriate tunnel experts on field visits.

From: 10/87 *To:* 9/94
Employer : Office of Engineering, Peshawar USAID/Pakistan
Position Held : Deputy Chief Engineer
Description of Duties Hired as Project Engineer and later promoted to Deputy Chief Engineer
Provided overview of all Tribal Area Development Project (TADP) & North West Frontier Area Development Project (NWFADP), including: construction planning, design, contracting, approving payments of implementing line agencies and quality control of new roads undertaken through Communication & Works (C&W) Dept.

GoNWFP. Included liaison with GoNWFP officials and technical supervision of consultants. This consisted of 375 km of roads, worth approximately \$ 20 million. As a Project Engineer supervised the design of Thall-Parachinar Road (75 km.) which was based on Host Country Contracting (HCC) for international bidding. The project cost was \$21 million.

From: 01/86 To: 02/87
Employer : Abul-Anan and Jastaniah Construction Company, Makkah Saudi Arabia
Position Held : Area Engineer
Description of Duties Responsibilities included, construction of 40 km of sewer vitrified clay pipes and water supply pipeline, construction of 20 km of asphalt concrete road and sidewalks. Supervised a working crew of 210 people consisting of two (2) engineers, four (4) general foremen, eight (8) foremen and 196 skilled and unskilled labourers. The project estimated cost was US\$ 52 million.

From: 05/82 To: 01/86
Employer : Abdullah Ali Abalkhail (AAA), Consulting Engineers, Riyadh, Saudi Arabia
Position Held : Project Engineer
Description of Duties Hired as Field Engineer later promoted to the Position of Project Engineer
Responsibilities included construction supervision, approval of work method statements, quality control, payments, construction & installation of 32 km of asbestos cement (AC) (250 to 900mm dia) pipeline, 6 km of pre-cast concrete box culvert and approximately 1400 catch basin along with the rehabilitation of 32 km of road, and construction of 6 km of new road. Also supervised seventeen prestressed reservoirs (6x50, 000 Cum + 11x20,000 Cum) and approximately 25 km of access roads at five different locations in deserts. The reservoirs walls, which were 11 meter high, were erected through slip form and were Pre-stressed by Dywadag method. The loose foundation soil at one of the big sites was compacted by dynamic compaction. The project cost was US\$ 32 million.

From: 04/79 To: 04/82
Employer : Trow Middle East (Seconded to Cansult Ltd.) Riyadh, Saudi Arabia
Position Held : Geotechnical/Materials Eng
Description of Duties Responsibilities included the approval of all materials and testing as per contract specifications for minor sewer, house connections and restoration of roads in Riyadh City. Served on the committee to investigate the failure of UPVC fittings, which required visiting the Federal Institute for Testing Materials in West Berlin (W. Germany) for proof testing. Extra office duties included preparing

detailed geotechnical reports relating to investigation of building foundations, pavement design and other related geotechnical considerations for Trow Middle East.

From: 04/78 To: 03/79
Employer : Chih S.Huang Associates Inc.,Markam, Ontario, Canada
Position Held : Geotechnical Engineer
Description of Duties : Responsible for preparing detailed geotechnical reports relating investigations of multi-story building foundations on cassions and piles, investigation of natural slope stability analysis for sub-divisions on outskirts of Toronto city; and inspections of footings and cassions. Supervised soil investigations for multi-story buildings, roads and trunk sewer lines.

From: 09/74 To: 12/76
Employer : University of Waterloo, Ontario, Canada
Position Held : Research Assistant/ Technical Assistant (TA)
Description of Duties : Employed by the Ministry of Transportation and Communications, Province of Ontario at the University of Waterloo to research feasibility of soil stabilisation with lime in Northern Ontario. As a TA supervised various types of soil testing and provided tutorials for undergraduate students.

AWARDS/ DISTINCTIONS/ SCHOLARSHIPS

- 1. Malakand Division Scholarship for undergraduate*
- 2. Ministry of Transportation and Communications, Ontario, Canada, Scholarship for graduate studies*
- 3. Cash Performance Award and Certificates from USAID*
- 4. Unit Citation Award and Certificate from USAID*

Name of the Firm : DEVELOPMENT MANAGEMENT CONSULTANTS
Discipline/ Expertise : STRUCTURAL DESIGNS SPECIALIST
Name : IJAZ ZAHOOR
Date of Birth : 1961
Nationality : PAKISTANI
Education : B.Sc CIVIL
Languages :

| Speak | Read | Write |
|----------------|----------------|----------|
| ENGLISH, URDU, | ENGLISH, URDU, | ENGLISH, |
| PUSHTO | PUSHTO | URDU, |

Membership of Professional Societies : P.E.C
Countries of Work Experience : PAKISTAN
Employment Record

From: JAN 2001 *To:* DATE
Employer : DEVELOPMENT MANAGEMENT CONSULTANTS
Position Held : CHIEF CONSTRUCTION ENGINEER
Description of Duties : Responsible for Structural Designs of bridges and other engineering concrete structures during detailed supervision stage
Manager Structural Design (January 2001 to date)
DEVELOPMENT MANAGEMENT CONSULTANTS - **DMC** PESHAWAR
Responsible for Structural Designs of bridges and other engineering concrete structures

From: 1994 *To:* DEC, 2003
Employer : NARCOTICS AFFAIR SECTION U.S EMBASSY
Position Held : Managing Multi Sectoral Area Development Program
Description of Duties : United States of America is providing funds to Govt. of Pakistan to undertake development intervention in Tribal Areas for elimination of poppy through development alternative.
Responsibilities include management of the US \$ 29 million multi-sectoral Bajaur and Mohmand Area Development Projects within the Narcotic Affairs Section (NAS) of United States Embassy to Pakistan.
The main duties encompasses
Review and approve project proposal (PC-1) documents for cost estimates, technical design criteria and feasibility, and recommendations to Senior Development Advisor. Release and manage funds transfer to line departments for approved projects. So far I have successfully monitored completion of over 240 Kms roads in communication sector and over 200 other rural development projects in water supply and sanitation, irrigation, education, health, and rural electrification. Provide technical assistance in engineering, financial and management fields to line agencies of GOP, local community and NAS staff and suggest improvement or new ideas and recommends solutions to problems. Maintain contact with GOP officials and local community through frequent informal contacts and meetings to resolve issues relating to technical & financial matters and annual work plan (WP).

Based on frequent field visits prepare periodic inspection reports and recommend GOP, Consultant, Contractor or NAS actions required

From: JUNE 1990 To: May-93
Employer : ENTERPRISE DEVELOPMENT CONSULTANTS
PESHAWAR
Position Held : PROJECT ENGINEER
Description of Duties : Resident Manager/Project Engr: (May 1993 - August 1993)
ENTERPRISE AND DEVELOPMENT CONSULTING (Pvt.) Ltd.
PAKISTAN.
(Name of Supervisor: Dr. Tariq Hussan, Director EDC)

Worked as Resident Manager with EDC for the Kala Dhaka Field Management Team (KDFMT)-an integrated area development project funded by USAID, focused on development of Non-Governmental Organization (NGO) through community participation approach. The main responsibilities included:

As rM managed the closing of the infrastructure and agriculture activities developed through community participation. General engineering assistance in monitoring and supervision of a wide variety of community development projects under the KDADP through community participation. Certified completion of all infrastructure activities. Monitored execution of sub-projects and follow-up action through use of computer facilities available and updated GONWFP and EDC/USAID concern offices on monthly basis. Monitored all financial matters of the project.

Managed the construction of 12 Km. Long FMR Road in Bunir District. Also completed Ambar Road in Mohmand Agency. The over all management of all other projects was also handled by me as General Manager Operations.

From: FEB 1987 To: Sep-93
Employer : USAID MISSION TO PAKISTAN
Position Held : GENERAL MANAGER ENGINEERING PROJECTS
Description of Duties : Managed the \$52.1 million multi-sectoral area development program with in USAID Mission to Pakistan which encompass reviewing and approving feasibility's, design and implementations schedules and monitoring for the construction of:

- 1. Diversified Structure*
- 2. Water Resources Development*
- 3. 53 villages electrification and 116 Km. Of hilly shingled and mettaled roads in communications*
- 4. 600 Community Based Area Development Schemes*
- 5. Health*
- 6. Education*
- 7. Agriculture*
- 8. Private Sector Development*
- 9. Strengthening and Enhancing the capability of Host Government institution to implement area development programs. The North West Frontier Area Development Project (NWFADP) is an Umbrella Project, which funds Area Development activities on bilateral bases. The staff being supervised total 8, which includes: 4 Engineering Projects Managers, 2 Engineering projects Deputy Managers, 2 Surveyors and 4 others support staff (Technicians, clerical etc). The responsibilities calls*

for expertise in the technical scrutiny of engineering infrastructure portfolio worth \$23 million, the specific dynamic of the local Government , the participating-population-focused Area Development concepts and strategies, involvement of international PVO's politico-socio-economic structure in order to overcome and comprehend all possible sensitive matters related to area development projects

From: DEC 1985 To: Jan-87
Employer : MEDOLANS LAYTON & CO RAWALPINDI
Position Held : SITE ENGINEER
Description of Client World Bank/WAPDA, Mardan Scarp Project, NWFP
Duties

Was assigned as site engineer in the planning division and responsible for the preparation of weekly, monthly and quarterly monitoring schedule charts. Was also responsible for coordination with HARAZA and NESPAK consultants of the world Bank

Name of the Firm : DEVELOPMENT MANAGEMENT CONSULTANTS
Discipline/ Expertise : GEOTECHNICAL EXPERT
Name : DR. MUHAMMAD SAEED
Date of Birth : MARCH 11, 1954
Nationality : PAKISTANI
Education : Ph. D. (1997) ENGINEERING GEOLOGY
M. Sc. (1981) GEOLOGY, ENGINEERING GEOLOGY &
GEOHYDROLOGY
Other Training : Training Course in Remote Sensing Application to
Hydrology SUPARCO Pakistan (July 1985).
Training Course in Geotechnical Earthquake Engineering
Roorke University, India (Nov.1986).
Participated in the International Workshop on Remote
Sensing and Resource Exploration, Trieste, Italy from Feb.
09 to March 06, 1987.
Participated in many training programs arranged by the Punjab
University, Lahore, Pakistan from time to time regarding different
aspects of Geology.

From: *To:*
Employer : IVCC
Position Held : Engineering Geologist
Description of Duties Tarbela Dam Project, Pakistan

From: *To:*
Employer : National Engineering Services (NESPAK)
Position Held : Engineering Geologist
Description of Duties Kalabagh Dam Project, Pakistan

From: May 1984 *To:* Sept. 1991
Employer : Institute of Geology, Punjab University, Lahore, Pakistan
Position Held : Lecturer
Description of Duties

From: 1991 *To:* DATE
Employer : Engineering Geology, Punjab University, Lahore
Position Held : Assistant Professor
Description of Duties

RESEARCH : 1. Geotechnical Aspects of Lahore Soils, The Geological Bulletin of the
Punjab University, Lahore, Pakistan, Vol. 24, 1987.
PUBLICATIONS : 2. Preliminary Slope Stability Studies along the Kohala-Muzaffarabad
Road, Azad Kashmir, Geological Bulletin of the Punjab University,

- Lahore, Pakistan, Vol.25, 1988.
3. *Geotechnical Aspects of Claystones/Siltstones of Dhok Pathan Formation at Kalabagh Dam Site, Pakistan, Geological Bulletin of the Punjab University, Lahore, Pakistan, Vol.25, 1988*
 4. *Preliminary Studies of Landslide at Riala near Khanspur (Ayubia) – Pakistan. Journal of Scientific Research, Geological Bulletin of the Punjab University, Lahore, Pakistan, Vol.XVIII, October 1989*
 5. *Engineering Geological Studies at Dhok Pathan Dam Site Distt. Cambellpur, Pakistan. The Geological Bulletin of the Punjab University, Lahore, Pakistan, Vol. 26, 1991.*
 6. *Hydrological Investigations in Relation to Geology of the Kalabagh Dam Areas Pakistan. The Geological Bulletin of the Punjab University, Lahore, Pakistan, Vol.26. 1991.*
 7. *Hydrological Investigations at the left bank of Kalabagh Dam Site with special reference to the variation of ground water conditions of various sandstone beds. The Geological Bulletin of the Punjab University, Lahore, Pakistan, Vol. 26, 1991.*
 8. *Geology and Engineering Characteristics of Materials from Borrow Areas of the Khanpur Dam Hazara, Pakistan. The Geological Bulletin of the Punjab University, Lahore, Pakistan, Vol. 26, 1991.*
 9. *A Study of Fractures in the Siwalik Sediments at Kalabagh, Pakistan. Journal of Scientific Research, Punjab University, Lahore, Pakistan, Vol. XVIII, October 1991.*
 10. *Some Engineering Geological Properties of Soils at Bridge Site over the Gambila River on Bannu – D.I.. Khan Road, The Geological Bulletin of the Punjab University, Lahore, Pakistan, Vol. 27, 1992.*
 11. *Geotechnical investigations of Bridge Sites near Sehwan, Distt. Dadu, Pakistan. The Geological Bulletin of the Punjab University, Lahore, Pakistan, Vol. 27, 1992.*
 12. *Landslide Management and Control in Pakistan, International Centre for Integrated Mountain Development Katmandu, Nepal, 1996*
 13. *A Study of Landslide Problems their Causes and Mitigation in Pakistan. National Symposium on Environmental Geology October 8-12, 1995, Department of Geology, University of Peshawar, Pakistan.*
 14. *Geotechnical evaluation of a weir site on Kurram river Mianwali. The geological bulletin of the Punjab University Vol.36 accepted for publication.*
 15. *Landslide Risk Evaluation for a Site near Gilgit.Presented in third South Asia Geological Congress 2002. Geotechnical Analysis for Foundations of a Site on Raiwind-Lahore Road.The geological bulletin of the Punjab University. Vol.36.*

Discipline/ Expertise : *HYDRAULIC STRUCTURES SPECIALIST*
Name : *DR. ATTAUR RAHMAN TARIQ*
Date of Birth : *APRIL 1, 1953*
Nationality : *PAKISTANI*
Education : *Doctor of Philosophy: Ph.D. (1992)*
Graduated from: Colorado State University, Fort Collins, Colorado, U.S.A.
Major areas: Ground Water, Water Management, Drainage, Irrigation, Hydrology.
Master of Philosophy: M.Phil. (1986)
Graduated from: University of Engineering and Technology, Lahore, Pakistan
(Centre of Excellence in Water Resources Engineering).
Specialization: Water Resources Management.
Bachelor of Science (Agric. Engineering) 1974
Graduated from: University of Agriculture, Faisalabad, Pakistan (Faculty of
Agricultural Engineering and Technology).
Major areas: Agricultural Engineering
Other Training : *Excellent knowledge of MS-OFFICE, and Water Resources Modeling Programs*
as: MODFLOW; MT3D; USGSPTM; SIRMOD; SWAP, LINDO; SWATRE;
CROPWAT HEC-1-HMS; HEC-2-RAS; QUALE2E;

From: *May 20, 1987* *To: DATE*
Employer : *Centre of Excellence in Water Resources Engineering (CEWRE), University of*
Engineering and Technology, Lahore, PAKISTAN
Position Held : *Associate Professor (Water Resources Management Division)*
Description of
Duties :

- *Teaching of graduate courses of Drainage Engineering, Ground Water Hydrology, Advance Irrigation Engineering, Water Resources Planning; Water Management Computations, Experimental Methods; Dam Engineering, Applied Hydrology*
- *Curriculum development;*
- *Design, formulation and conducting of short/long training and specialty courses;*
- *Supervision of research projects and feasibility studies;*
- *Equipment testing,*
- *Consultancy services: Worked on following consultancy tasks*
 - I. *1994. Served as Technical Member of the Review Mission for mid-term review of Netherlands Research Assistance Project (NRAP), International Waterlogging And Salinity Research Institute (IWASRI), Lahore. The efficacy and adequacy of the research related to waterlogging and salinity control (interceptor drains, drain filters, drainage coefficient/ surplus, farmers participation, surface drainage runoff, etc) was evaluated.*
 - II. *1995. Conducted on site training course on Hydrological Analysis for Bureau of Water Resources, Department of Irrigation and Power, Government of Baluchistan, Quetta. Basic computer skills were described and disseminated.*
 - III. *1996. Selected by FAO as Ground Water Monitoring Specialist for the Quetta Valley Ground Water Project.*

- IV. 1996. Carried out Hydrological analysis of Chashma-Jhelum Link Canal (Tail) Hydropower Project. The work included analysis of historic discharge data, low, average and high flows, probability analysis of flows, development of flow duration curve, stage-discharge relationship, tail-runoff, and downstream boundary stage/discharge relationship (for Jhelum river).
- V. 1997. Carried out Hydrological Analysis of Kurram and Tochi Rivers for Kas Umar Khan Canal (Isa Khel) Irrigation Project. The work involved analysis of historic river flows with sparse data, water rights in the catchment area, water available for downstream users, interactions between surface and ground waters, and probability analysis of monthly future water availability.
- VI. 1997. Selected by World Bank, Inc. as Technical Expert for evaluation of NDP projects (Dera Ghazi Khan Integrated Irrigation and Drainage Project).
- VII. 1997. Carried out Hydrological analysis: Upper Chenab Canal (Head) Hydropower project. The work included analysis of historic discharge data, low, average and high flows, probability analysis of flows, development of flow duration curve, stage-discharge relationship.
- VIII. 1997. Carried out Hydrological analysis: New Bong Escape/Upper Jhelum Canal (Head) hydropower project. The work included analysis of historic discharge data, low, average and high flows, probability analysis of flows, development of flow duration curve, stage-discharge relationship, tail-runoff, and downstream boundary stage/discharge relationship (for Jhelum river).
- IX. 1999. Analyzed Storm water drainage plan for Murree Town as part of Feasibility study on long-term basis for sanitation, storm drainage and waste management for Murree town. Work included hydrological analysis in terms of identification of perennial and non-perennial channels, identification of catchment area boundaries and characteristics, rainfall-depth-duration-intensity-frequency analysis, peak runoff, cross drainage structures, inundation of urban residential-business-tourist areas, formulation of flooding abatement plans.
- X. 1999-2001. Worked as Consultant Groundwater Expert for Punjab Private Sector Groundwater Development Project, Irrigation and Power department, Government of the Punjab, Lahore. Work included: Ground water and solute transport modeling, identification of recharge and pumping characteristics, Developed Groundwater Institutional & Regulatory Framework to monitor and streamline the extraction of ground water, carried out Environmental assessment of drainage tubewells, etc.
- XI. 2001. Worked as hydrologist/irrigation/social/environmental engineer for the Maira Irrigation project (NWFP). The work included formulation of future irrigation plan/water requirements, hydrological analysis for cross drainage structures under the canal, assessment of socio-economic conditions and environmental impact screening for the proposed project under with and without conditions.
- XII. 2001. Hydrologic and hydraulic modeling of Soan River (G.T Road to Islamabad Expressway) for flood protection analysis. Work included analysis of historical rainfall and runoff data, runoff modeling for extra-ordinary events, water surface profile determination for with and without flood protection, canalization works.
- XIII. Conducted short time training workshop on Groundwater Computer

Modeling: 22-27 July 2002 at CEWRE. Participants were trained for using MODFLOW computer program for steady and unsteady ground water modeling.

- XIV. 2002. *Evaluation of Gomal Zam Dam project (pre-bidding stage) in terms of crop irrigation requirements and drainage plan proposal.*
- XV. 2003. *Kurram Tangi Multipurpose Dam Project: Hydrologic Evaluation. Flow data analysis, flow synthesis, Analysis was carried out to assess water yield, ripple mass curve analysis for dam capacity, reservoir operation modeling, flood analysis for diversion tunnel and spillway design, design hydrology and flow capacity for cross drainage structures under irrigation canals, reservoir sedimentation.*
- XVI. 2004. *Hydrology and Environmental Initial Examination of proposed 110 km long Chaman-Kandhar Railway Line Project. The hydrological analysis was performed for determining capacity of cross drainage structures and water surface levels/profiles for various rainfall frequency events. HEC-HMS and HEC-RAS computer models were used for this purpose.*
- XVII. 2004 *Hydrologic study for Mithi Railway line.*
- XVIII. 2004-5 *NWFP Barani Area Development Project – Infrastructures. Hydrologic and hydraulic design of cross drainage structures for various roads (total length = 145 km) in districts of Kohat, Bannu, Karak, Orakzai, Lakki Marwat, Abbotabad, Haripur, Mansehra, Kojistan, Batagram.*
- XIX. 2005. *Hydrologic analysis for cross drainage structures across Jodha Canal for reutilization of 400 cusecs of Baluchistan effluent (RBOD-3 Project).*
- XX. 2005 *Hydrologic and Hydraulic review of Makran Coastal Highway in the wake of Feb-05 rains and breach of Shadi Kaur Dam*

From: Dec 30, 1976 To: Dec 23, 1981
Employer : Directorate of Planning and Design (Water) Central, Water and Power Development Authority (WAPDA), Lahore, PAKISTAN
Position Held : Junior Engineer
Description of Duties : Work included all phases of project planning for drainage and SCARP projects (surface drains, pipe drains, tubewells), including: Preliminary surveys; Identification, delineation and evaluation of drainage problems; Detailed surveys and data collection (direct from field and other offices/reports); Hydrological investigations surface runoff determinations; Assessment of drainable surplus; Installation of piezometers and observation wells; Discharge measurements; Seepage measurements; Analysis of data for causes and sources of drainage problems; Water budgeting; Ground water monitoring and pumping test analysis; Inventory of public and private tubewells; Design of surface drains, sub-surface pipe drains, tubewells, and irrigation system; Project works proposal; Cost estimation; Writing project feasibility reports, working paper, special reports and PC-I proforma; Review of the projects; Post-project investigations for determination of their effectiveness. Work was performed for 10 projects

From: Dec 24, 1981 To: Aug 31, 1984
Employer : Lower Benue River Basin Development Authority (LBRBDA) Ministry of Natural Resources, Makurdi, NIGERIA

Position Held : *Irrigation/Agric. Engineer*
Description of Duties : *Work included different phases of planning, development and operation of irrigated agriculture project (irrigation canals and on-farm drains) in presently rain fed areas in Benue State of Nigeria. This included: Preliminary surveys; Planning the infrastructure for irrigated agriculture; Design surveys and facilities/structures design; Construction supervision of temporary pumping station, flood protective embankments, minor canals, water courses, water turnout, culverts, on-farm and main drains, drain crossings, layout of fields, leveling fields for canal irrigation, and construction of fish farm and hatchery facilities; Operation of small scale irrigation system and water supply to fish farm*

From: Feb 14, 1975 *To:* Dec 29, 1976
Employer : *Faculty of Agricultural Engineering and Technology, University of Agriculture, Faisalabad, PAKISTAN*

Position Held : *Lecturer*
Description of Duties

RESEARCH AND PUBLICATIONS : *Project reports*
Contributed in writing of 17 project feasibility reports:
Technical papers
Published 18 technical research papers in International/National journals/Workshops.
Books/Monograph
Books/monographs are complete and ready for publication: 1- GROUND WATER HYDROLOGY, 2-DRAINAGE SYSTEMS ENGINEERING, 3 - WATER RESOURCES PLANNING IN PAKISTAN, 4- DAM ENGINEERING
Thesis research projects supervised:
Supervised 30 M.Sc./M.Phil. Thesis

AREAS OF INTEREST:

- *Hydrological analysis for dams, irrigation, drainage and hydropower projects.*
- *Drainage of agriculture and urban areas*
- *Irrigation, canal seepage and lining*
- *Ground water analysis, development, monitoring and modeling*
- *Contaminant transport, and environmental studies and modeling*
- *Water resources planning*
- *Dam engineering (hydrology, embankment, hydraulics, etc.)*
- *Job related training programs*
- *Computer applications in engineering*

Environmental studies of water resources projects