

**RELEVANT SERVICES CARRIED OUT IN THE LAST TEN YEARS
WHICH BEST ILLUSTRATE QUALIFICATIONS**

<p>Assignment Name: Feasibility Study and Preliminary Design for Sambrial-Kharian Motorway Project on BOT Basis under Public Private Partnership Arrangement (70 Km)</p>	<p>Country of Assignment: Pakistan</p>																								
<p>Key Features:</p> <ul style="list-style-type: none"> Road: Length = 70 Km 4-Lane with 6-Lane Structures 19 Short Bridges Length 1000m 1 Long Bridges on River Chenab Length 1 Km 2 x Flyovers Design Speed: 100-120 km/h Several Crossing Structures including Multi Cell Culverts, Box Culverts and Pipe Culverts etc. 	<p>Professional Staff Provided by Your Firm:</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Position</th> </tr> </thead> <tbody> <tr> <td>1 Aamir A. Ghori</td> <td>Sr. Highway Engineer / Team Leader</td> </tr> <tr> <td>2 Dr. Shahab Khanzada</td> <td>Pavement Engineer</td> </tr> <tr> <td>3 Dr. Tahir Masood</td> <td>Traffic Engineer</td> </tr> <tr> <td>4 Ghazala Farooq Asim</td> <td>Senior Structural Engineer</td> </tr> <tr> <td>5 Muhammad Irshad</td> <td>Material / Geotechnical Engineer</td> </tr> <tr> <td>6 Mirza Naseer Ahmad</td> <td>Contract Engineer</td> </tr> <tr> <td>7 Ehtsham UI Haq</td> <td>Hydraulic / Hydrology Engineer</td> </tr> <tr> <td>8 Dr. Zafeer Saqib</td> <td>GIS Specialist</td> </tr> <tr> <td>9 Ehsan Ahmed</td> <td>Financial Expert / CA</td> </tr> <tr> <td>10 Dr. Shabbir Hussain</td> <td>Economist</td> </tr> <tr> <td>11 Taimoor Aly Khan</td> <td>Corporate Law Expert</td> </tr> </tbody> </table>	Name	Position	1 Aamir A. Ghori	Sr. Highway Engineer / Team Leader	2 Dr. Shahab Khanzada	Pavement Engineer	3 Dr. Tahir Masood	Traffic Engineer	4 Ghazala Farooq Asim	Senior Structural Engineer	5 Muhammad Irshad	Material / Geotechnical Engineer	6 Mirza Naseer Ahmad	Contract Engineer	7 Ehtsham UI Haq	Hydraulic / Hydrology Engineer	8 Dr. Zafeer Saqib	GIS Specialist	9 Ehsan Ahmed	Financial Expert / CA	10 Dr. Shabbir Hussain	Economist	11 Taimoor Aly Khan	Corporate Law Expert
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<p>Location within Country: Smbrial ~ Kharian, Punjab</p>	<p>No. of Staff: 11 Nos.</p>																								
<p>Name of Client: National Highway Authority, Islamabad</p>	<p>No. of Staff Months: 65 Man Months</p>																								
<p>Address: 27 Mauve Area, G-9/1, Islamabad</p>	<p>Approx. Value of Services (Rs.): 23 million</p>																								
<p>Start Date: 06/2018 Completion Date: 05/2019</p>	<p>No. of Months of Professional Staff Provided by Associated Firm(s): 20 Man-Months</p>																								
<p>Name of Associated Firm(s) If any: M/s Pavron, Islamabad M/s Water Wise, Karachi</p>	<p>Name of Senior Staff (Project Director / Coordinator, Team Leader) involved and functions performed:</p> <table border="1"> <tbody> <tr> <td>• Team Leader</td> <td>Aamir A Ghori</td> <td>Pavement Engineer</td> <td>Dr. Shahab Khanzada</td> </tr> <tr> <td>• Hydrology/Hydraulic Expert</td> <td>Muhammad Ehtsham</td> <td>Traffic Engineer</td> <td>Dr. Tahir Masood</td> </tr> </tbody> </table>	• Team Leader	Aamir A Ghori	Pavement Engineer	Dr. Shahab Khanzada	• Hydrology/Hydraulic Expert	Muhammad Ehtsham	Traffic Engineer	Dr. Tahir Masood																
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<p>Narrative Description of Project: During the ground breaking ceremony of Lahore - Sialkot Motorway, Honorable Prime Minister desired to extend the project up to Kharian. In pursuant to the directions of Honorable Prime Minister Republic of Pakistan, Chairman NHA has instructed, to take up the project on Build - Operate - Transfer (BOT) basis. National Highway Authority to appoint Prime Engineering & Testing Consultants for Outline Design, Technical and Commercial Feasibility Study for Construction of Sambrial - Kharian Motorway (70 km).</p>																									
<p>Description of Actual Services Provided by Your Staff:</p> <ul style="list-style-type: none"> Data Collection / Co-ordination with all concerned Departments (Inception Report) Desk Study on Satellite Imagery Validated by Reconnaissance Survey and Preparation of Alignment Study Options Presentation of Alignment and its Approval Detailed Topographic Survey and Ground Validation Traffic Count & Axle Load Survey Limited Soil & Material Investigation Pavement Design Hydrology Study and Hydraulics of Major Rivers Geotechnical Investigation for Structures Preliminary Geometric Design Preliminary Structural Design Land Acquisition & Utility Folders Stake out of Corridor and Fixation of ROW Markers Environmental Impact Assessment Study Construction Machinery Report Preparation of Technical Feasibility Report Preparation of Commercial and Financial Feasibility Report Formulation of Draft and Final PC-1 Preparation of RFP Documents Submission of all Final Preliminary Designs and Final Documents 																									