

CAPABILITY SPECTRUM - MANZAR NAEEM QURESHI (Power and Energy Sector Expert)

Sr No.	Name of the Project	Year	Project Management			Power/Energy Markets													Technical (System Planning, Engineering Design, Operation & Maintenance)								
			Type of Client	Team Leader/ Project Manager/Lead Consultant	Institutional Coordination	Policy and Market Reforms					Regulatory Affairs			Corporate and Commercial Affairs, Financial & Economic Assessment					Power Sector				Oil and Gas Sector		Infrastructure Technical Due / Diligence	Env. Impact Assessment	
						Market / Institutional Framework Assessment	Country Reviews/ Policy Analysis/Formulation	Market Reforms/ Transformation	Privatization	Energy Efficiency/ Renewable/Alternative Energy /CDM /Energy Transformation	Market Regulations	Utility Licensing	Utility Tariffs/ Cost of Service	Financial Analysis/ Business Plan Modeling	Economic Analysis	Standards/ Procedures (SOPs)/ Performance (KPIs) Evaluations	Project Feasibility Analysis/ Tender Documents	Commercial and Project Negotiations	Asset Management/ Commercial Due Diligence	System/Generation Planning/ Production Cost Simulation Modeling	Generation	Transmission Line and Grid Station	Distribution	Oil and Gas System Planning/ Engineering Design			Gas Pipeline Hydraulic Analysis
Legend:			● Prime/major roll for the concerned area of expertise													● Secondary/minor roll for the concerned area of expertise											
	E2 Consulting, Islamabad, Pakistan																										
1	Review of Technical Evaluation of the Bids for Owner's Engineer for a Gas Fired Power Generation Plant for Mari Petroleum Company Limited (MPCL), Pakistan	2017	Industry	●																		●					
2	Generation Interconnection and System Impact Assessment Study for Dasu and Other Hydro Power Projects for National Transmission and Despatch Company (NTDC), Pakistan	2017	Industry	●	●										●								●				
3	Second Power Transmission Enhancement Investment Program Tranche 1 of US\$ 1.0 Billion for 2nd Multitranche Financing Fcality (MFF) for Asian Development Bank (ADB) and National Transmission and Despatch Company (NTDC), Pakistan	2017	IFI/ Industry	●	●	●	●							●	●	●							●				
	PARSONS, Doha, Qatar																										
4	Refurbishing & Upgrading Works for Various Pumping Stations - Phase 6, 7 & 8, Doha, Qatar for Public Works Authority,	2015	Gov	●	●																					●	
5	Front-end Engineering and Design (FEED) of MARPOL Compliant Waste Reception and Treatment Facility at Ras Iaffan Industrial City, Qatar, for Qatar Petroleum	2014-2015	Industry	●	●								●						●						●		
	Hagler Bailly Pakistan, Islamabad, Pakistan																										
6	Independent Evaluation of DISCOs' Load Data Improvement (LDI) Project for United States Agency for International Development (USAID)	2014	Bilateral Donor Agency	●											●	●	●						●				
7	Implementation of Advance Metering Infrastructure (AMI) in DISCOs for Asian Development Bank (ADB)	2014	IFI	●	●	●					●		●	●	●	●							●				

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8	Integration of Liquefied Natural Gas (LNG) with SNGPL and SSGCL systems for the Associated Group	2014	Industry																									
9	Workshop on Power Utility Regulation in association with Tetra Tech Inc., USA for Saudi Aramco	2013	Industry																									
10	Power Sector Integrated Financial Model for Pakistan for USAID	2013	Bilateral Donor Agency																									
11	Technical and Financial Audit of a gas fired 235 MW combined cycle thermal power generation plant of TNB Liberty Power Limited		Industry																									
12	Various assessment for a US\$2 Billion, 2x600 MW Coal fired plant at Jamshoro as part of the Report and Recommendations of the President (RRP) of the ADB	2013	IFI																									
13	Energy Sector Assessment for ADB	2012-2013	IFI																									
14	Prefeasibility Study of 500 MW High Voltage Power Transmission Interconnection between India and Pakistan for the World Bank	2012-2013	IFI																									
15	Economic Analysis for the 900 MW Neelum-Jhelum Hydropower Project for Pakistan Commissioner for Indus Waters	2012	Gov																									
16	Technical and Commercial Support to Government of Pakistan on US\$ 1.0 Billion, CASA 1000 HVDC Power Transmission Project for USAID SARI/Energy	2009-2012	Bilateral Donor Agency																									
17	Economic Evaluation of Natural Gas for specific sectors of economy for USAID	2010-2011	Bilateral Donor Agency																									

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18	Technical and Performance Audit of state owned power plants (3855 MW consisting of steam cycle and combined cycle units) for USAID	2010-2011	Bilateral Donor Agency	●	●											●						●					●	
19	Post Crises Need Assessment of the Conflict affected Zones of KP and FATA for ADB	2010	IFI	●	●	●				●							●					●					●	
20	Preparation of Documentation for Clean Development Mechanism for 150 MW Star Hydro Power Limited	2010	Industry							●												●						●
21	Commercialization of natural gas and oil/condensate from Offshore Indus Block M in Pakistan including demand-supply balance, infrastructure analysis for ENI Pakistan.	2010	Industry	●										●							●	●		●	●			
22	The Third-Party Audit of the Procurement Terms and Procedures of the Rental Power Plants (RPPs) for ADB	2009-2010	IFI	●	●		●						●	●	●			●				●	●				●	
23	Least Cost Long Term Generation Expansion Plan Study for the World Bank	2009	IFI	●			●			●				●	●						●	●						●
24	Preparation of comprehensive national program for mainstreaming energy efficiency in all sectors of economy for ADB	2008-2009	IFI	●	●	●		●		●				●	●		●											
25	Technical Support to Sarhad Hydro Development Organization (SHYDO) for evaluation of EPC bids for three hydro power project in KPK for ADB	2008	IFI	●	●					●							●					●						
26	Various assessment for a US\$200 Million development of three hydro power projects in the Northern Areas of Pakistan as part of the Report and Recommendations of the President (RRP) of the ADB	2008	IFI	●	●	●	●							●	●		●					●						
27	Long Term assessment of energy supply and demand in Pakistan for DHA Cogen Limited	2008	Industry	●																	●			●				

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28	Fuel Options for 362 MW Combined Cycle Power Plant in Sundar Industrial Estate in Punjab, Pakistan for PIE-AMPower	2008	Industry																									
29	Identification and development of projects under UNFCC's Clean Development Mechanism (CDM) under the ADB's Carbon Market Initiative (CMI) for ADB	2007-2008	IFI																									
30	Technical and economic evaluation and recommended measures for safe transportation of crude oil from Tall Block KPK to Attock Oil Refinery for MOL Pakistan BV.	2007-2008	Industry																									
31	Establishment and commencement of Central Power Purchasing Agency for ADB	2007-2008	IFI																									
32	System optimization study for the gas transmission system of SNGPL for improvement in the system gas transportation capacity with Energy Solutions of UK for SNGPL	2007-2008	Industry																									
33	Market due diligence prior to ownership transaction for 157 MW Fauji Kabinwala IPP in Pakistan for a prospective buyer.	2007	Industry																									
34	Updated feasibility study for a 14 MW Hydel Power Project located in AJ&K for a private sector client	2007	Industry																									
35	Review of project feasibility and viability assessment of a 224 MW CCGT Power Plant of Engro Pakistan fueled by Permeate Gas at Qadir Pur	2007	Industry																									
36	Economic evaluation of the proposed 2000 MMSCFD Iran-Pakistan gas pipeline for Inter State Gas Systems Limited	2007	Gov																									
37	Commercialization of natural gas, LPG and oil/condensate from Mehar Oil and Gas Field Development Project in Pakistan including demand-supply balance and infrastructure analysis for Petronas Carigali Pakistan.	2007	Industry																									

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38	Technical and commercial due diligence of an LPG Marketing and Distribution Company for JS Private Equity	2007	Industry	●	●						●				●	●					●			●			
39	Long term gas price projections for 1.2 MT steel plant in Port Bin Qasim, Karachi for Al-Tuwairqi Steel Mills Limited	2007	Industry	●			●				●		●	●	●												
40	Long term electricity, gas and petroleum fuel price projections to help evaluate captive plant options for a chemical plant in Port Bin Qasim, Karachi for Pakistan PPTA Limited	2007	Industry	●			●				●		●	●	●												
41	Preparation of Documents under UNFCC's Clean Development Mechanism (CDM) for the ADB funded Renewable Energy Projects for ADB	2006-2008	IFI	●	●					●										●							
42	Review of status of the Iran-Pakistan-India Gas Pipeline for BHP Billiton Petroleum, Australia	2006	Industry	●			●											●	●								
43	Preparation of Statement of Qualification for the Hub Power Company for submission to Privatization Commission for SNGPL privatization	2006	Industry	●					●																		
44	Operational Support to the office of the Energy Advisor to the Prime Minister of Pakistan for formulation and implementation of medium to long term strategy for energy sector funded by ADB.	2005-2007	IFI	●	●		●	●						●							●	●		●			
45	Financial advisory services for Iran-Pakistan Gas Pipeline to Inter State Gas Systems (ISGS) in association with PricewaterhouseCoopers for Inter State Gas Systems	2005	Gov	●	●	●	●							●			●	●		●	●		●				
46	Market due diligence prior to ownership transaction for 134 MW Saba Power Company (IPP) in Pakistan for a prospective buyer.	2005	Industry	●	●		●				●			●					●	●					●		
47	Scoping study for Tethyan Copper Company for assessing the power supply options including captive power at the Reko Diq site in Baluchistan	2005	Industry	●							●		●	●	●		●			●	●		●				

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58	Energy forecast for the country and national gas transportation network analysis over the long term for supply of gas for BP Pakistan	2004	Industry																									
59	A comparative analysis of various gas import options for Pakistan for Ministry of Petroleum and Natural Resources	2004	Gov																									
60	Preparation of an Excel Based Offshore Production Sharing Model under the petroleum policy for ENI Pakistan.	2004	Industry																									
61	Market assessment study for 150 MMscfd additional natural gas from Zamzama gas field entailing supply, demand, infrastructure implications for Premier Kufpec Pakistan.	2004	Industry																									
62	Market assessment study for 200 MMscfd natural gas from Badin II gas field entailing supply, demand, infrastructure implications for BP Pakistan.	2004	Industry																									
63	Formulating a development strategy with private sector involvement in developing Pakistan's natural gas infrastructure including the need for strategic gas storage for meeting seasonal demand peaks for the World Bank.	2003	IFI																									
	Enerman, Islamabad, Pakistan																											
64	Feasibility study for commercialization of wind energy potential in Pakistan for GEF funded report.	2001-2003	Multi-lateral Donor Agency																									
65	Development of Power Plant Expansion and Dispatch Model	2000-2003	Industry																									
66	Development of an Integrated Energy Demand Supply Projection Model for Pakistan	2000-2003	Industry																									

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67	Development of a Excel Based Gas Transmission Hydraulic Model for Pakistan (SNGPL and SSGCL)	2000-2003	Industry																									
68	Advised HUBCO (IPP) for the generation License Hearing at NEPRA	2003	Industry																									
69	Advised AES Pakgen and AES Lalpir, IPPs set up under 1994 power policy for their generation License Hearing at NEPRA	2003	Industry																									
70	Advised 4 small power producers in the emerging regulatory regime to process their distribution licenses	2003	Industry																									
71	Initial Environmental Examination of a fuel oil fired thermal power plant for ICI Pakistan	2002-2003	Industry																									
72	Intervention in the NEPRA's Rate Case hearing for WAPDA consumers tariff on behalf of All Pakistan Textile Mills Association (APTMA) for APTMA	2002	Industry																									
73	B5 Industrial Category consumer tariff Intervention Pakistan PTA business during KESC Rate case hearing 2002 for Pakistan PTA Limited	2002	Industry																									
74	Intervention in the OGRA rate case hearings for SNGPL and SSGCL for Overseas Investors Chamber of Commerce and Industry, and ICI Pakistan	2002	Industry																									
75	WAPDA Distribution System Reliability for M.Sc. Research Thesis	2001	Industry																									
76	Pakistan Energy Outlook for industrial energy consumers	2001	Industry																									

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77	Gas Commercialization Study for Mubarak Gas Field for Petronas Carigali Pakistan	2001	Industry																									
78	B5 Industrial Category consumer tariff petition for ICI Pakistan's PTA business connected at 220 kV in KESC area for ICI PTA Limited	2001	Industry																									
79	Energy Resource Development Study for commercialization of Dumbar gas field for Premier Kufpec Pakistan	2001	Industry																									
80	Advised 21 small power producers in the emerging regulatory regime to protect their operational and business interests	2000-2003	Industry																									
81	Electricity consumption survey for textile industry	2000	Industry																									
82	Financial Analysis of state owned enterprises in Pakistan (WAPDA, KESC, SNGPL, SSGCL, PSO, OGDCL) to assess the intercompany circular debt and ability of the companies to pay to E&P companies for fuel supply	2000	Industry																									
83	Strategic Review of E&P Business Plan for Premier Shell Pakistan BV	2000	Industry																									
84	Energy Resource Development Studies for Premier Shell Pakistan BV	1999-2000	Industry																									
85	Prefeasibility study of a 600 Km long 500 Mmscfd gas pipeline from Dadu to Multan Pakistan for Premier Shell Pakistan BV.	1999	Industry																									
86	Study on gas-fuel oil substitution and stranded asset evaluation for fuel oil for Premier Shell Pakistan BV.	1999	Industry																									

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87	Desegregated Financial Modeling WAPDA Power Wing to assess the financial implications of Power Sector restructuring Plan for Ministry of Water and Power, GOP	1998	Gov																									
	Water and Power Development Authority (WAPDA), Lahore, Pakistan																											
88	Review of Privatization Plan for power distribution company (FESCO) for Ministry of Water and Power, GOP	1997	Gov																									
89	9th Five Year Development Plan for Pakistan for Planning Commission/WAPDA	1996	Gov																									
90	KAPCO Environmental Impact Assessment Study for WAPDA	1995	Gov																									
91	Review of 1992 WAPDA Restructuring Plan for WAPDA	1995	Gov																									
92	Thermal Plant Feasibility Studies for NPPP for WAPDA	1994-1996	Gov																									
93	Economic Evaluation and Tariff Analysis of Malakand III Hydropower Project for WAPDA	1994	Gov																									
94	National Power Plan Project (NPPP) for WAPDA	1992-1996	Gov																									