

MAJOR WORK DURING LAST TEN YEARS THAT BEST

ILLUSTRATES QUALIFICATIONS

Project Name: Turkmenistan-Afghanistan-Pakistan Natural Gas Pipeline Project (Phase II) Underground Gas Storage Reservoir Study O/Ref: 2004-1410		Country: Pakistan
Project location within Country: Quetta and Multan		Professional staff provided by your company: No. of Staff: 3 No. of Person-Months: 3.75
Name of Client: Asian Development Bank		
Start Date (Month/Year): July 2004	Completion Date (Month/Year): February 2005	Approximate Value of services: US\$ 413,500
Name of Associated Firm(s), if any: Sofregaz, France		No. of Person-Months of professional staff provided by Associated Firm(s): International 8.25MM
Name of Senior Staff (Project Director, Team Leader) Involved and Functions Performed: Dr. Masud Karim, Environmental Specialist Mr. M. A Matin, Geologist Dr. Khurshed Alam, Social/Resettlement Specialist		
Detailed Narrative Description of Project: The objective of the technical assistance project is to carry out all investigations to estimate costs, feasibility, work over, new facilities, construction, and operation and maintenance for the underground natural gas storage (UGS) based on depleted hydrocarbon reservoirs. The project consisting of two stages: (1) Stage 1 <ul style="list-style-type: none"> • Review the reservoirs available, list all the reservoirs examined, and short-list them, ranking them according to suitability for UGS functionality. • Investigate how existing and planned infrastructure can be best used in relation to UGS and market location. • Define the magnitude and timing of the winter service gas load in the medium term to meet peak shaving and security requirements. • Review the extent to which interruptible gas contracts may induce industrial fuel users to shift from gas to other fuels during supply interruptions and peak load season. • Report on the selection of reservoirs most suitable for UGS and examine the feasibility of connecting them to the project pipeline systems. (2) Stage 2 Prepare a feasibility report on conversion to UGS of the selected fields and estimate its cost. The feasibility study will cover (i) reservoir aspects, (ii) injection and/or extraction facilities, (iii) connections to the project and national gas transmission systems, (iv) environmental aspects of the reservoirs and their related facilities, (v) implementation schedule, and (vi) cost estimates.		
Detailed Description of Actual Services Provided by Your Company: <ul style="list-style-type: none"> • Geological investigation of the underground gas storage reservoir. • Environmental impact study of the natural gas storage reservoir and related facility in accordance with ADB Guidelines. • Perform social impact study and prepare resettlement plan. 		