

UNITED STATES GOVERNMENT

Memorandum

TO : Mr. David Levintow, Assistant Director
USAID/HAVR

DATE: December 18, 1972

FROM : J. K. Shankland, Project Manager, Bureau of Reclamation

SUBJECT: Cotton Demonstration Farm - Shamalan Project

Following our recent conversation I have looked into the physical characteristics of the farm proposed to be utilized in demonstrating the value and returns of modern land development, proper irrigation water application, and improved cotton planting techniques.

The farm is owned by a Mr. Mohamedin and is situated adjacent to and South of the S10.7 Lateral and the S10.7 diversion structure on the Shamalan Canal - (see location map.)

There are approximately 19.5 acres of Class 2 and 3 lands (12.5 and 7 acres respectively) that could be developed. This land can be upgraded to Class 1 by leveling and leaching. No soil amendments are required unless for research purposes phosphate would be applied. In accordance with the Shamalan Feasibility Report the 3 acres of Class 6 land on the farm will not be developed. This land is now partially occupied by the farmers home and a vineyard.

The farm is receiving and will continue to receive irrigation water from the relocated Basharan Lateral as planned in the designs. Adequate water of good quality is available.

Observation wells show that the minimum depth to the ground water table is 1.6 meters. This indicates that the drainage is adequate and that the root zone will be free draining.

The farm land is quite uneven and has a swale running longitudinally. The earth moving leveling requirements will be heavier than in a typical Shamalan Farm, but not sufficiently heavy to be uneconomical.

At present approximately 12.5 acres of the Class 2 and 3 lands are planted in wheat and the remainder unplanted.

In summation the physical environment of the farm is suitable for good production of cotton provided proper land preparation, irrigation, and farming techniques are implemented.

*missed at
least some
clover or
alfalfa.
(on map)*



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In addition to the location map, prints of drawings showing the present topography, land classification, ground water countours and the present cropping pattern are attached.

J. K. Shankland

Enclosures: