

PD-ABJ-766
ISA 91516

**AFGHANISTAN REHABILITATION ORGANIZATION
(ARO)**

12 OCT 1993

To:
Mr. Britt Dveris
Project officer for reporting
IRC/RAP
Peshawar.

13 October, 1993
611

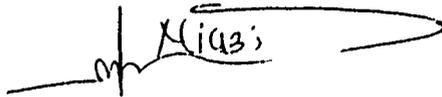
Subject: Final Report
IRC/RAP # 90

Dear Mr. Britt Dveris !

Thank you for calling.
Inclosed please find the final report for the abovementioned project. I.m in
your service for additional informations and photos.

Thanks

Sincerely yours



A. Niaci
Director
ARO
Peshawar.

Final Narrative Report (FNR)

Grant Number: IRC/RAP # 90

Implementing Organization: Afghanistan Rehabilitation Organization (ARO)

Project Title: Canal cleaning

Target Area(s): Deh-Naw village
M.Aghah district (0504)
Logar province (05)

Reporting Period: 01 September 1992 -30 July 1993

Prepared By: Azimullah Niazi
Director
ARO
Peshawar.

I. Summary of Project

- A. General Outcome:
1. The 13 km long canal of Deh-Naw village fully cleaned and (16250 m³) silt discharged from the canal bed.
 2. A unit of road culvert for the Shah canal constructed for the Deh-Naw villagers.
 3. Two units of water distributary structures for the Shahi canal constructed.
 4. The stone masonry intake structure plus gabion retaining walls for Shahi canal constructed.
- B. Major Events Affecting Outcome:

The (9km) Shahi canal has been surveyed by ARO site engineers on June 1992 for cleaning & construction of structures and IRC/RAP approved the project on July 1992. By the first week of September ARO despatched the site crew for the project commencement, while at the site CARE.INT claimed for the misunderstanding of the canals name Deh-Naw (13 km) in lieu of Shahi. The problem coordinated with CARE .INT head office in Peshawar and decided for replacing of the Deh-Naw canal in lieu of Shahi canal to be cleaned by ARO and construction of Shahi canal structures as well. The possitive events of misunderstanding resulted rehabilitation of two canals of Deh-Naw and Shahi as the project outcome.

C. Community Contribution:

The whole M.Agha district population were migrated from their home to Pakistan as the pressure of fighting at the district as a result the area depopulated, while for the commencement of area reconstruction works the population returned to fulfill the physical power and low daily wage of Rs.45/day.

II. Project Achievements

A. Goal:

To rehabilitate the irrigation system in the impact area after 13 years old war.

1. Objective:

By the beginning of fall planting season, the volume of water in the 13 km canal of Deh-Naw village will have been increased from 1500 liters/second to 3240 liters /second as determined by ARO site engineers.

Activities:

- a. Tools, materials and equipments were purchased and transported to the project site.
- b. Skilled and unskilled labor were recruited and assembled at the project site.
- c. The 13 km long Deh-Naw canal was drained in sections in preparation for cleaning.

- d. Two person introduced for gabion weaving training skill at the IRC gabion production centre.
- e. The trained gabion weaver despatched to the project site for production of gabion boxes for intake & retaining walls.
- f. The cleaning of Deh-Naw canal (13 km) done.
- g. The structure works ;
culvert, distributry water gates, intake and gabion retaining walls for Shahi canal completed.
- h. Project activities report submitted to IRC/RAP.

III. Unanticipated Activities:

Construction of Shahi canal culverts, distributry water gates, intake and gabion retaining walls are the additional unanticipated activities for the area returnees.

Distribution of woolen coats for the labor by ARO can be mentioned as the incentive action for the project involved labores.

IV. Obstacles

A. 1. Unsuccessful or Uncompleted Activity:

a. Problem(s):

The increasing water table in the Logar river on the month of October halt the construction of Shahi canal intake on December 1992.

b. Action(s) Taken:

The ARO head office requested No cost extension for the project up to July 1993.

The intake structure work resumed on May 1993 and completed on July 1993.

B. General Difficulties and/or Weaknesses:

The project implemented free of problem except the completion of intake structure work by December 1992.

V. Conclusions

A. 1. Project Design:

The cleaning operation of Deh-Naw canal designed according to canal dimensions and engineering labor daily out put of (2.5 m³/day/Labor) of silt.

The design for structures of culvert, distributry water gates, intake stone masonry and gabion retaining walls prepared on the time of survey while the area totally were depopulated.

The project design did not achieved according to proposed design, while the area authorized and villagers requested for their own desire and needs i.e. the water distributry water gates structures requested in bigger stone masonry, the intake stone masonry constructed longer and three water gates in lieu of designed two.

2. Project Implementation:

The Deh-Naw canal (13 km) cleaned in place of propose Shahi canal (9km) and the Shahi canal structures constructed.

3. Project Monitoring and Evaluation:

Monitoring

The agency internal monitoring body are schedule by the end of every month at the site for, reporting of project progress, scenario and mediator between site and head office.

The monitor reports were analysed and reported at the monthly activities.

Evaluation

The project evaluated on December 1992 for the semi project completion full cleaning of Deh-Naw canal and Shahi canal structures of culverts, distributry water gates and on 30 July 1993 for the completion of stone masonry intake and gabion retaining walls .

4. Financial Management:

The project faced financial syndrom for the cleaning and construction of structures;

The cleaning budget were approved for Shahi canal (9km), while this agency cleaned Deh-Naw canal (13 km).

The engineering change for the Shahi canal structure distributry water gates and stone masonry intake with the increasing cost of stone has been managed in the approved project budget.

B. Recommendations:

The 90% of M.Aghah district population were migrated to Pakistan due to bad side effect of 13 years old war at the whole area.

After transitional government in the country April 1992, the district population keen to return to their home but, the post war risks did not allow them for returning and the main problems were;

planted mines, silt deposited in the irrigation systems and head feeding destroyed, houses totally demolished, roads & infrastructures fully damaged. Solving of the mentioned post war problems were the main steps for encrouaging the migrant families from Pakistan.

Afghanistan Rehabilitation Organization (ARO) submitted a project proposal for construction of gabion diversion dam for Shahi canal, this agency strongly requesting the kind cooperation of IRC/RAP for approval of the structure as the full completion of canal water supply and replacing of unsustainable jungle diversion dam.

VI. Project Monitoring

A. 1. Date(s) of Mission: June and July 1993

2. Project Sites Visited: Deh-Naw village
m.Aghah district
Logar province.

3. Names and Titles of Monitors: Mir.Safiullah
Monitor
ARO

1
5.

The Shahi canal intake totally silted, demolished and no drop of water were flowed during ARO surveying operation on July 1992.



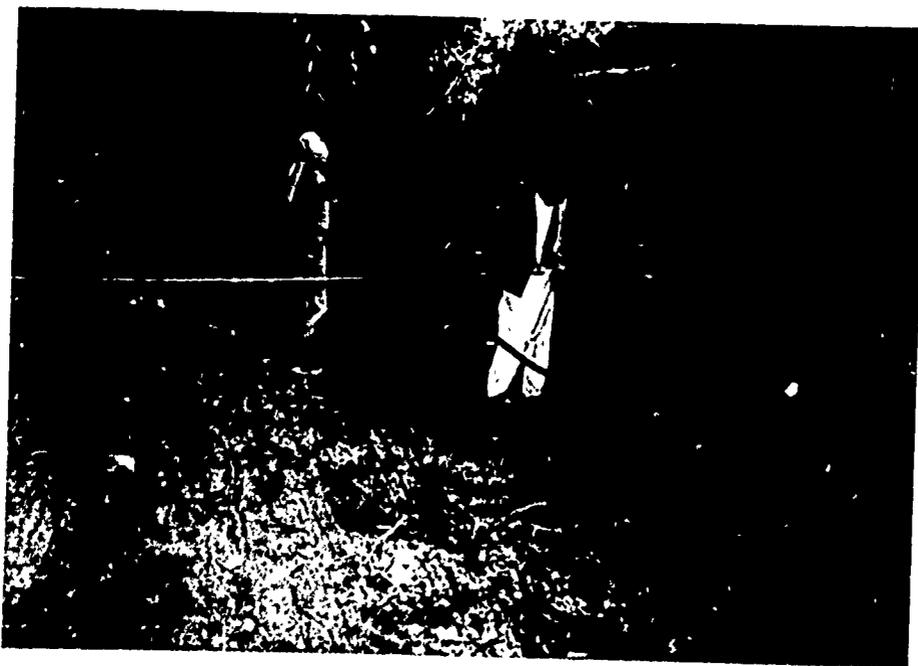
ARO constructed cement stone masonry intake plus three distributry system for the canal and the exuberant of water flowing in the canal.



The 13 km canal of Deh-Naw were
totally silted by the side
effect of war.



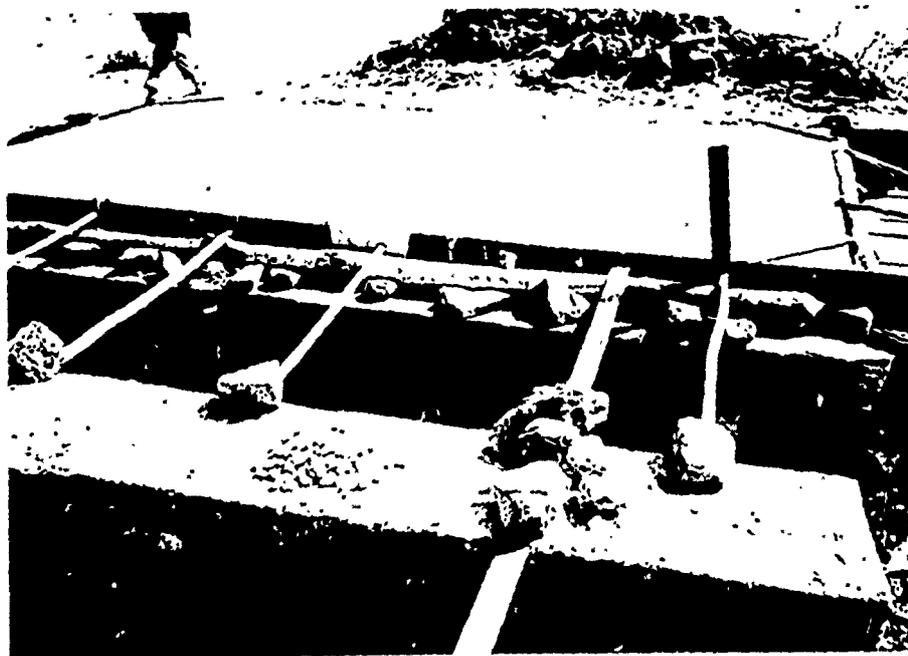
The Deh-Naw canal fully cleaned
and rehabilitate by ARO on
November 1993 IRC/RAP # 90



The culvert over the Shahi canal ruined and leveled with the ground surface.



ARO constructed a double culvert for the safe flowing of Shahi canal water and vehicals going to Zarghoon Shar village.



Foundation work and dewatering
of Shahi canal intake on the
month of June 1993.



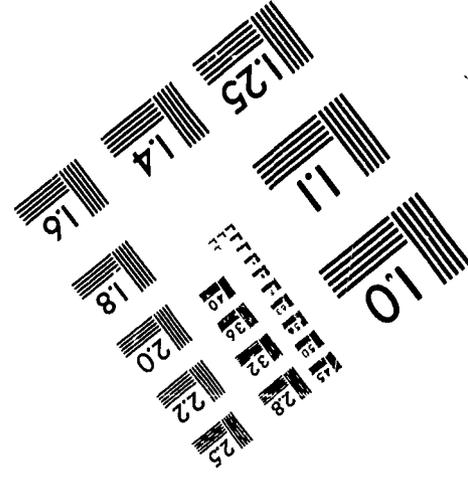
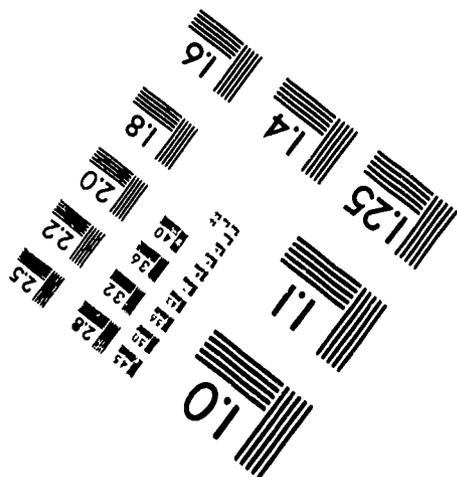
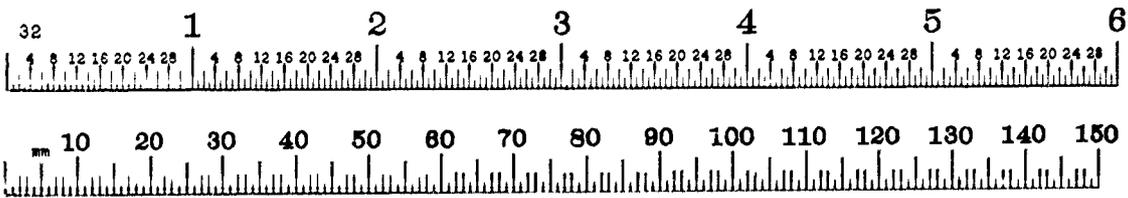
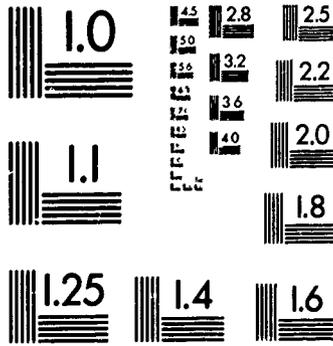
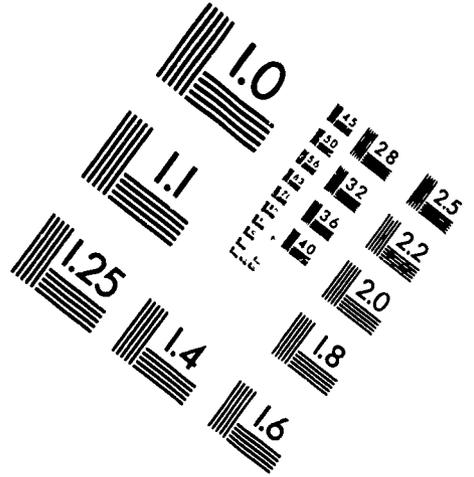
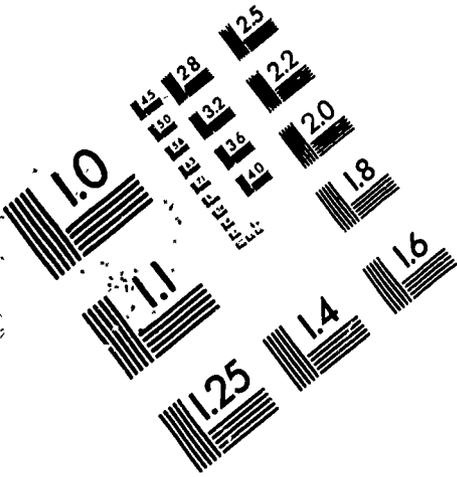
The labours during construction
of stone masonry intake for the
Shahi canal June 1993.



The complete construction of
stone masonry intake for the
Shahi canal on July 1993.



IMAGE EVALUATION TEST TARGET (MT-3)



APPLIED IMAGE
1653 E. MAIN STREET
ROCHESTER, NY 14609
TEL (716) 482-0300
FAX (716) 288-5989

06