

PD-ABJ-780

ISA 9:547

FINAL NARRATIVE REPORT

FOR

GRANT # 96

PARWAN PROVINCE (03)

14 DEC 1993

Submitted By:  
Consultant Bureau for Reconstruction

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As it was promised during survey work, local community accomplished total reconstructive works for Abdul Gharaf(3) canal in Bagh Lala of Olang valley and Aq Chishma canal in Hunorba Deb Yak of Koklami Valley. For the purpose they collected about 965 m<sup>3</sup> crushed stone, provided some 230 skilled and 9667 unskilled labors and also prepared lunch for the contributed labors during the completion of these two canals.

The villagers of Koklami and Shutul transported the total cement and tools required for their canals, by their own.

## II. Project Achievements

### A. Goal:

To rehabilitate irrigation infrastructure in the Shutul, Olang and Koklami valleys to pre 1992 flood condition.

### 1. Objective:

By the end of October, the condition of irrigation infrastructure in the Shutul, Olang and Koklami valleys has returned to pre 1992 flood condition with accumulative flow rates for the Shutul valley of (4389 lit/sec), the Olang valley (5155 lit/sec) and Koklami valley (3801 lit/sec), thereby increasing the agricultural lands from an existing range of 8159 jeribes to 15000 jeribes as determined by past project flow rates and general field survey.

### Activities

- a) Tools, materials and equipment were purchased and transported to the project site.
- b) Material, tools and equipment at each of all 3 site were kept in site stores, In each site store was appointed a tool man. The local authorities ensured the security of the stores.
- c) Skilled and unskilled labors were recruited and assembled at each project site.
- d) Totally in three target valleys thirty seven centimeters of sediment has been cleaned from the 41360 meter-long canals (114 canals).
- e) Totally in three valleys 521m (11644 m<sup>3</sup>) dry protection wall and 282m (1125.50 m<sup>3</sup>) mortar retaining wall has been built.
- f) Field assessments (two times) have been conducted, and the findings have indicated that the objective sat in proposal has been fulfilled completely.

### III. Unanticipated Activities

During the life of the project CBR has done the following activities, which is not calculated and included in proposal:

1. About 425m increasement in total length of dry protective walls.
2. Explosion of lower outgrowths of the mountains for indication of the canals routs total volume 285 cu.m
3. Installation of 60 pieces of steel popes (each 6m long) total length 360m to join two portions of the canals.
4. Pointing of some 1500 m<sup>2</sup> of protective walls for their more strengthening.

For more information see annex.

### IV. Obstacles

None

#### A. Unsuccessful or Uncompleted activity:

None

#### B. General Difficulties and / or weaknesses:

The political condition of the regions under this project is completely stable, inhabitants of the regions during the 14 years of fighting met maximum serious attacks of Russian and government forces, and were faced with great suffering, now as the real causes for the fighting had been removed, they wish to start their peace living.

The people of the regions being far from the main centers of the provinces and lacking of transportation routes, greatly had been deprived of literacy and other living benefits. Due to shortage of agricultural land cold climate and long winter, have never been able to bring a good economic condition into their family, the income oftenly did not exceed that of required expenses.

Problem that encountered with during the process of the project was rising of the river water level, specially during the period of July to middle of August which only caused a short delay in work during the same period, and compensated upon lowering the river water level again with increasment of the labors number per day. At the end of the work, that is the month of October as to the coldness of the weather, process of the work slowed, which caused that some of the work of the project to be carried out after the dead line for the project (after 31 October, 1993).

## V. Conclusions

### A.1 Project Design:

Design of this project apparently seemed simple, but in reality the designed retaining and protective walls will work in hard conditions. They must preserve against the rapid flow of the river and river stones, carried from the high altitudes of the valley. We were compelled to check the walls in overturning and rotation. We are in opinion that design of this project is a big experience for CBR.

### A.2 Project Implementation:

The target regions of this project were three main valleys of Olang, Koklami and Shutul of parwan province. At the same time CBR was compelled to plan the implementation of the project in three different localities far enough from each other. It is to remind that out of one the other two above mentioned valleys have no access to the road linking the valleys to the adjacent regions, which made the transportation of cement, tools and other necessities of the project extremely difficult. These problems and many others which are not mentioned here made the implementation process too hard. But the work in that regions taught our personnel the lesson of tolerance and sustainability in the way for reconstruction of our country.

### A.3 Project monitoring and evaluation:

For the evaluation of the project we followed the guidelines in IRC/RAP manual. We had two monitoring mission to the area. The team acting completely upon the IRC/RAP format has collected enough complete data. Now it is well clear to our monitors, how better verify the project's activities what are the better methods of data collection and assessment of the progress.

### A.4 Financial Management:

Our financial officers who have worked for projects funded by IRC/RAP gained good experiences. IRC/RAP audit mission has improved our record keeping and adjustment systems. By it's recommendation CBR gained a perfect financial program.

### B. Recommendations:

CBR is deeply interested in your short time courses for the field personnel, so we would like to recommend the set up of the same during this winter.

## **VI. Project Monitoring:**

### **A.1 Date of Missions:**

- a. July 20, 1993 to August 16, 1993
- b. October 18, 1993 to November 13, 1993

### **A.2 Project sites visited:**

In both of the missions our monitoring team has visited three target valleys of Shutul, Olang and Koklami.

### **A.3 Names and Titles of monitors:**

- a. Eng. Nasrullah Amid (Liaison Office, CBR)  
    Mohammad Arif Qobad a member of monitoring staff, CBR
- b. Zabiullah a member of monitoring staff, CBR  
    Mohammad Arif Qobad a member of monitoring staff, CBR

## **VII. Evaluation:**

### **A. Project Impact:**

In the case of impact evaluation of the project we can just express the encourragment of the people to repatriate to their villages in target valleys. Harvest season of the coming year will be the best time to evaluate the full impact of this project.

### **B. Methods and Criteria for Evaluation:**

As a number of canals have been completed just after the current year's harvesting season, it was not possible to fully evaluate the impact of the project. We will submit the due information in a follow-up report.

### **Additional Requirements**

Appropriate type of works done during the implementation of the project:

1. Cleaning
2. Excavation of foundation
3. Dry stone masonry of protective and retaining walls
4. Mortar stone masonry of protective and retaining walls
5. Explosion of some outgrowths of the mountains
6. Installation of steel pipes in some specific portions of some canals
7. Pointing

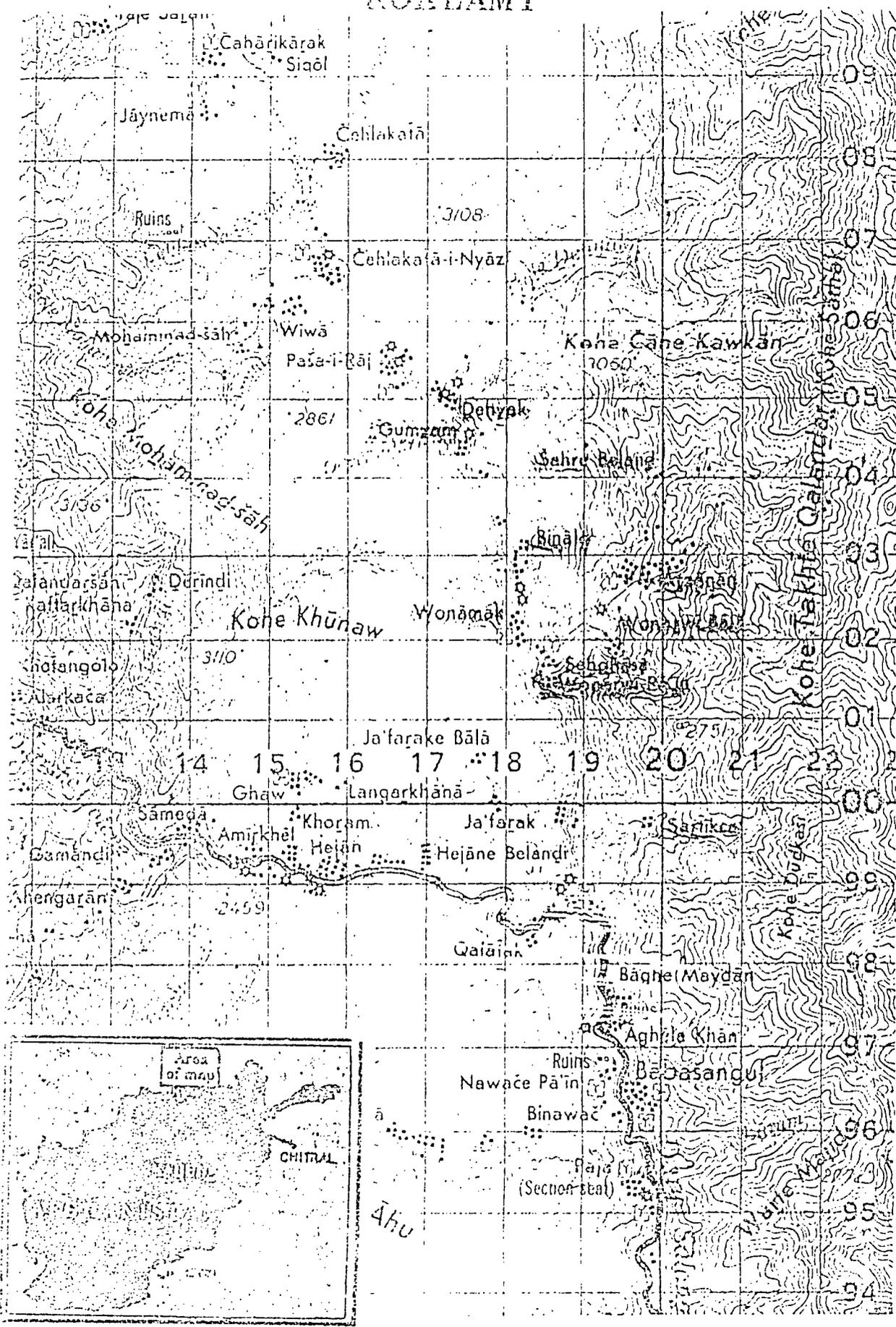
*LIST OF UNIT COST INCURRED FOR PROJECT INPUTS*

INPUT DESCRIPTION	UNIT	QUANTITY	UNIT COST
Skilled Labors	man-day	3545	121.50
Unskilled Labors	man-day	24072	59.50
Cement	kg	108289	3.75
Crushed Stone	m <sup>3</sup>	12769.5	120.50
Sand	m <sup>3</sup>	462	158
Shavel	No	150	70
Triangle Shavle	No	240	49
Pick	No	132	94
Rubber Buket	No	400	47
Steel Buket	No	80	78
Basket	No	100	122
Wheel Barrow	No	58	950
Sledge Hammer	No	35	137
Pick Axe	No	75	78

*Annex*  
**EXPENSES ON UNANTICIPATED  
 ACTIVITIES**

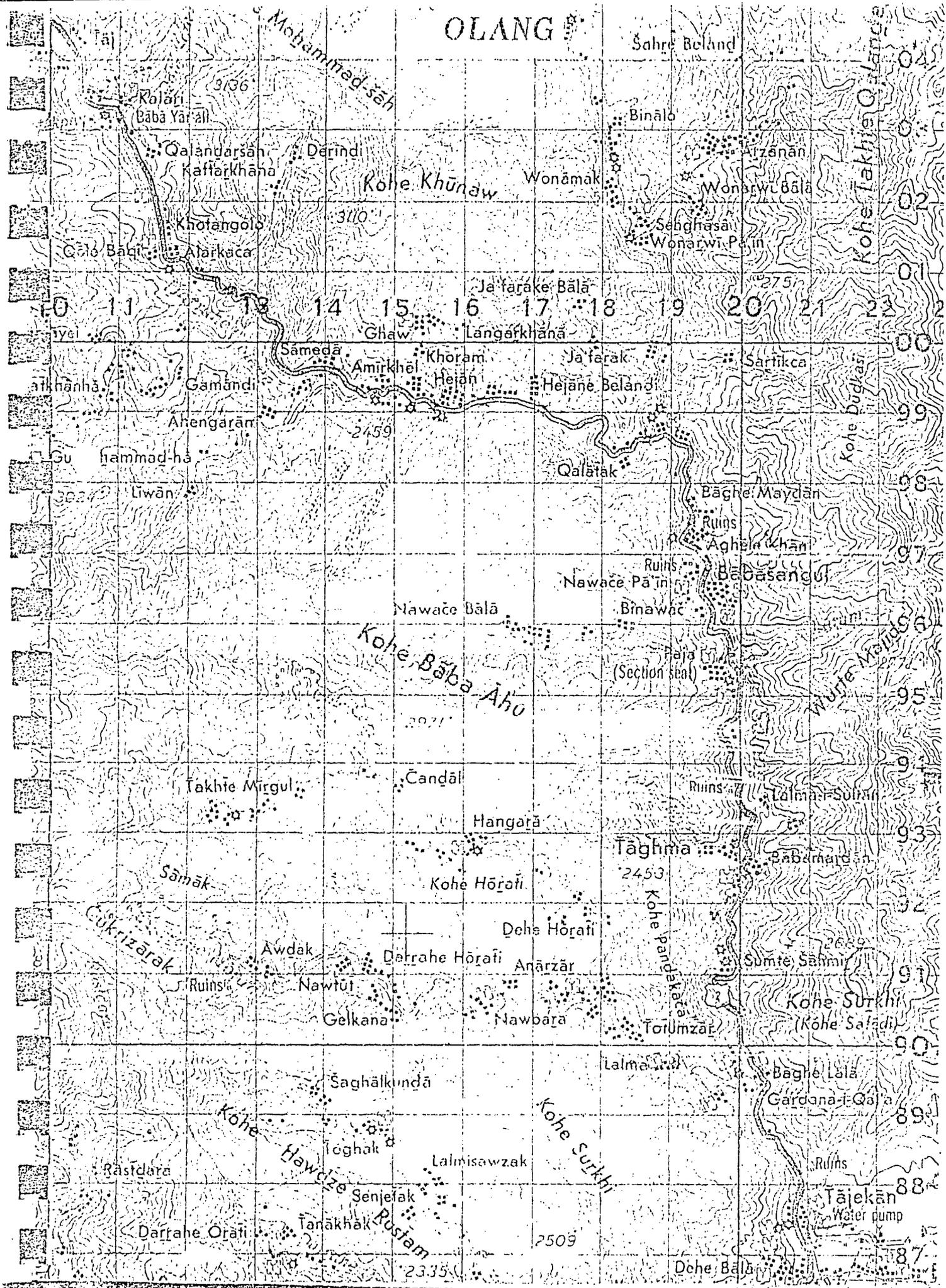
DESCRIPTION	UNIT	QUANTITY	UNIT COST (Rs)	TOTAL COST (Rs)	TOTAL COST US \$
Dynamite	kg	142.50	50	7125	
Fuse	pcs	570	2.5	1425	
Precoat	m	142.50	16.5	2351	
Steel pipe	pcs	6	330	1980	
TOTAL				12881	429.336

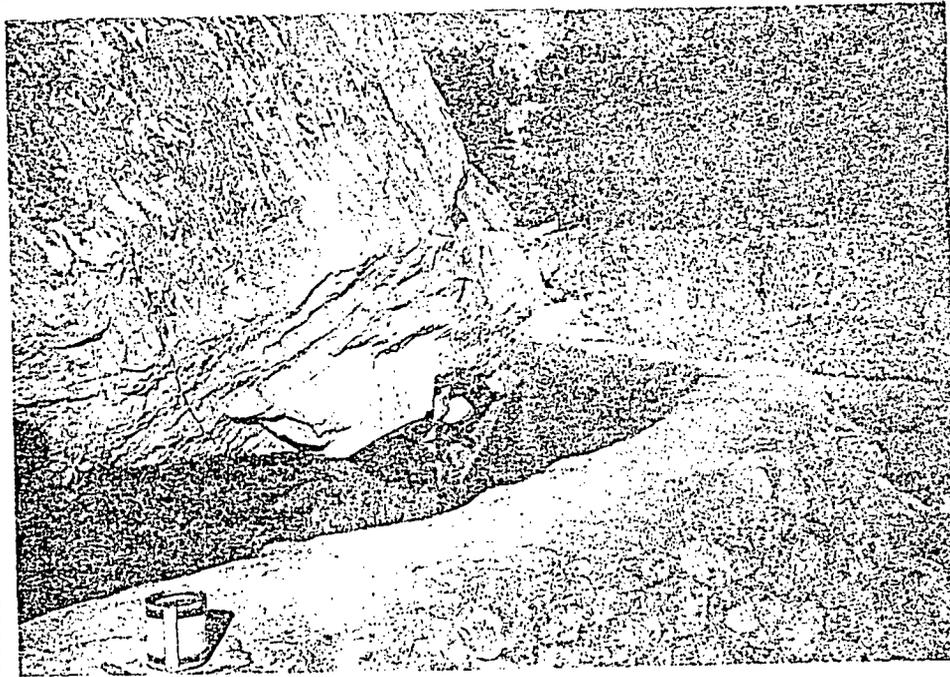
# KOKLAM I



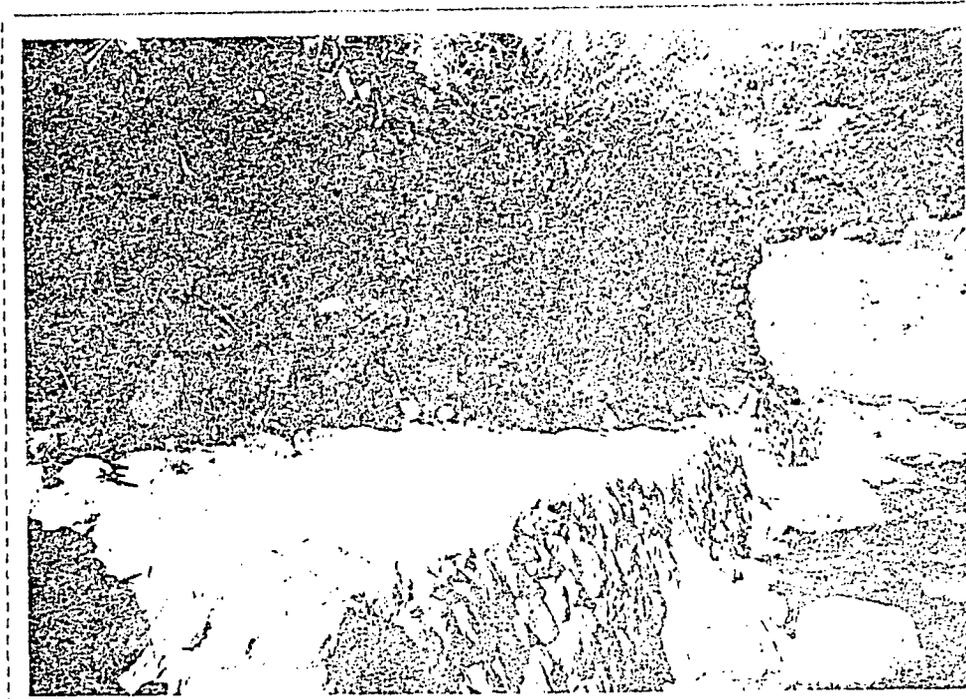


# OLANG

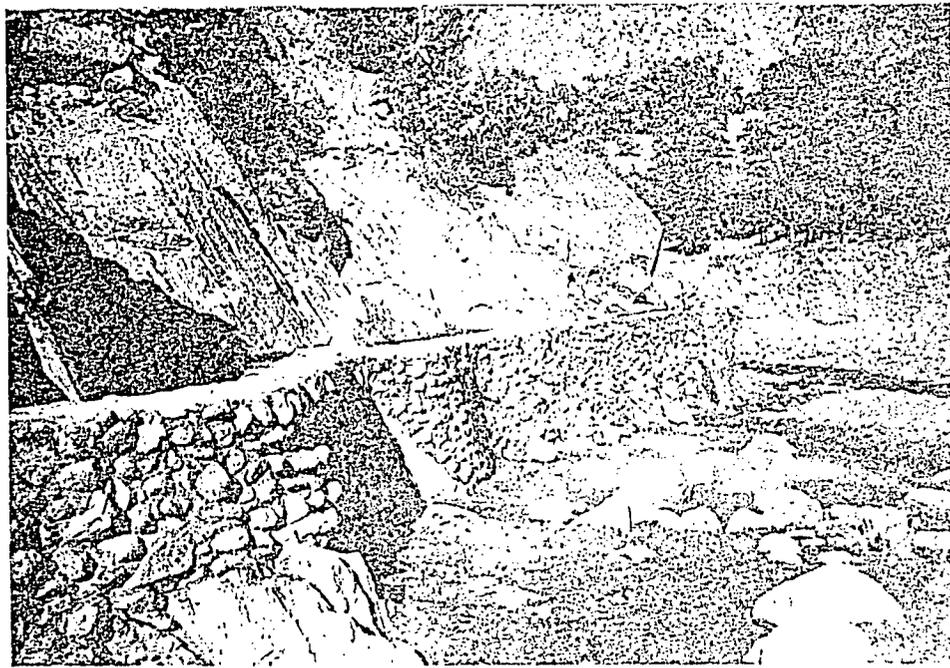




Shutul valley Deh Kalan village, Mohd Gul canal (6)



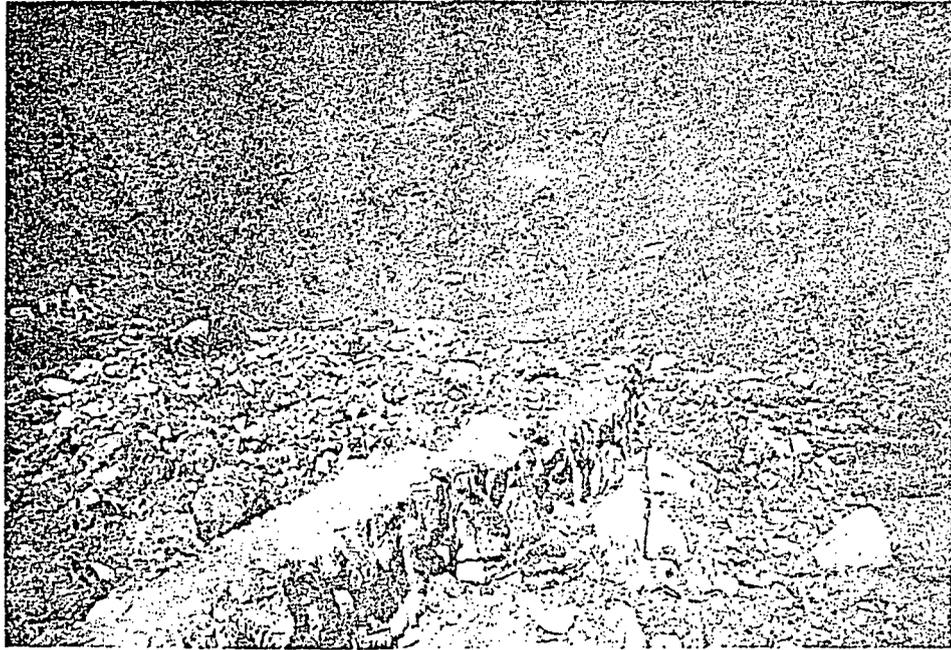
Shutul valley Deh Kalan village, Mohd Gul canal (6)



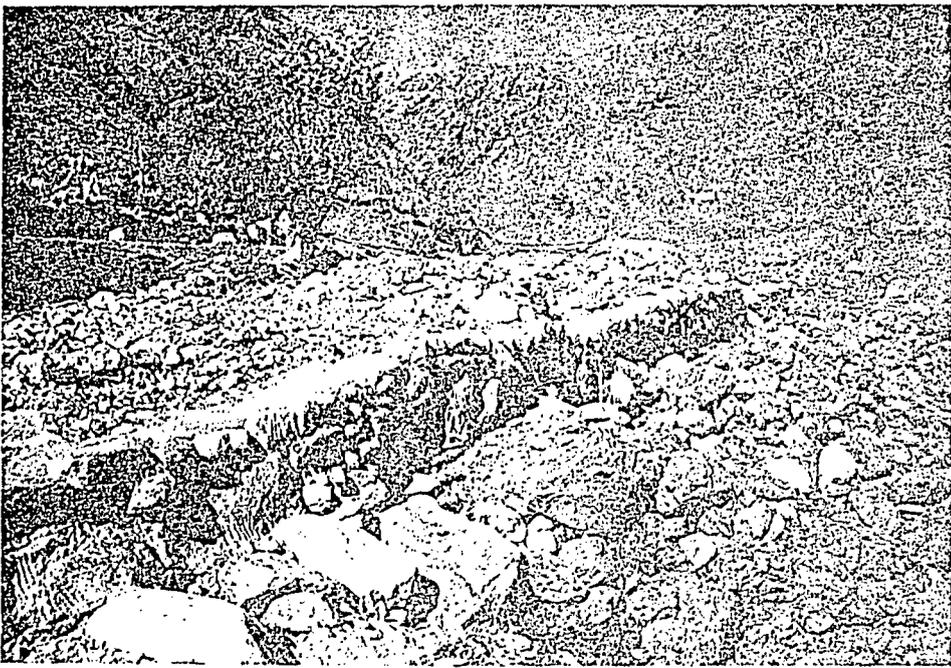
Shutul valley Deh Kalam village, Mohd Gul canal (6)



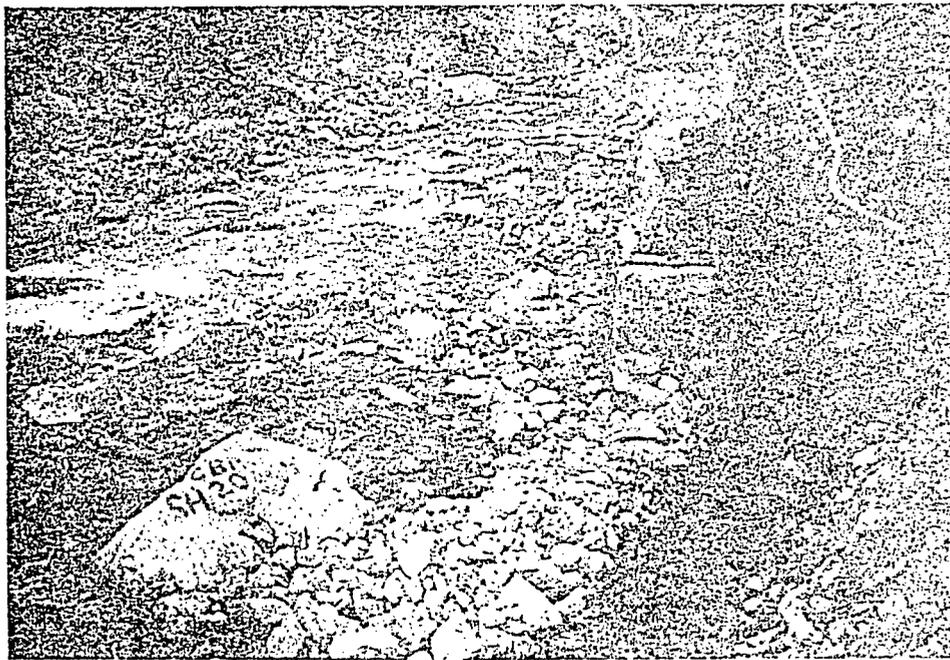
Shutul valley Chilanak village, Nachin canal (5)



Shutul valley Roy Dara village, Bahram canal (15)



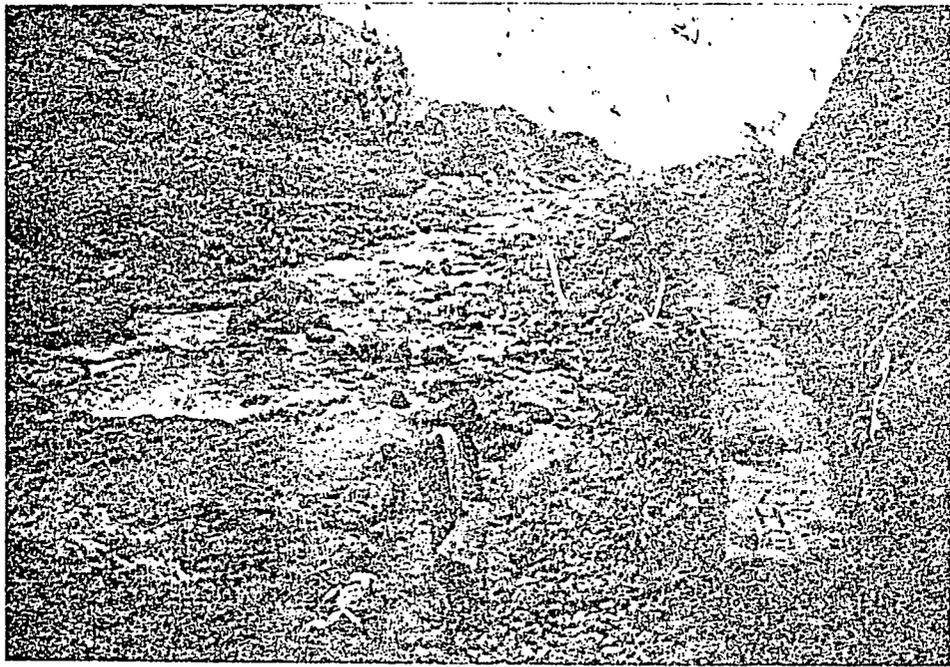
Shutul valley Roy Dara village, Bahram canal (15)



Shutul valley Pusht Khera village, Pusht Khera canal (20)



Shutul valley Pusht Khera village, Pusht Khera canal (20)



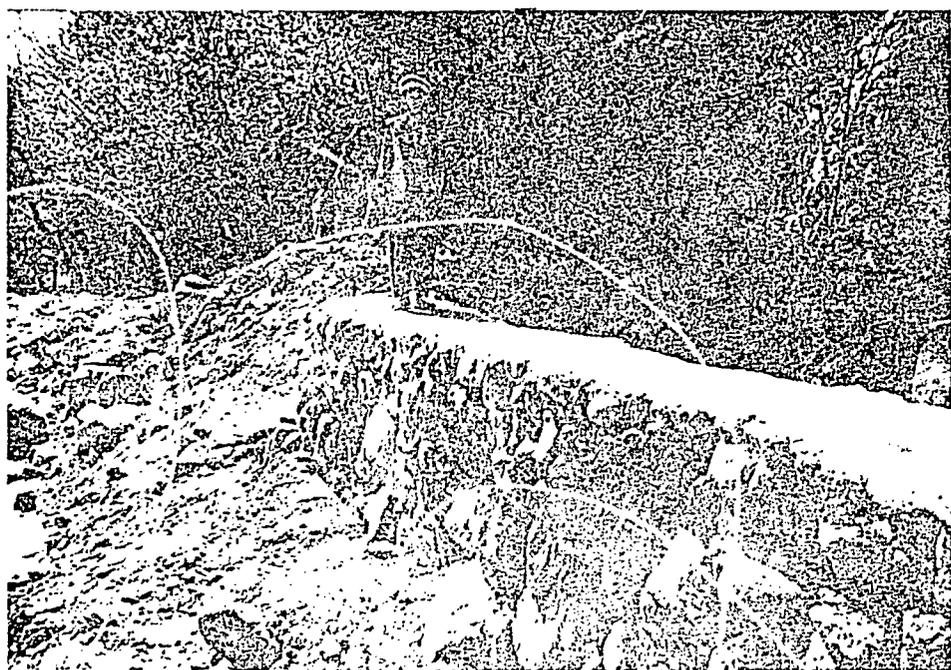
Shutul valley Nalchine village, Nalchine canal (27)



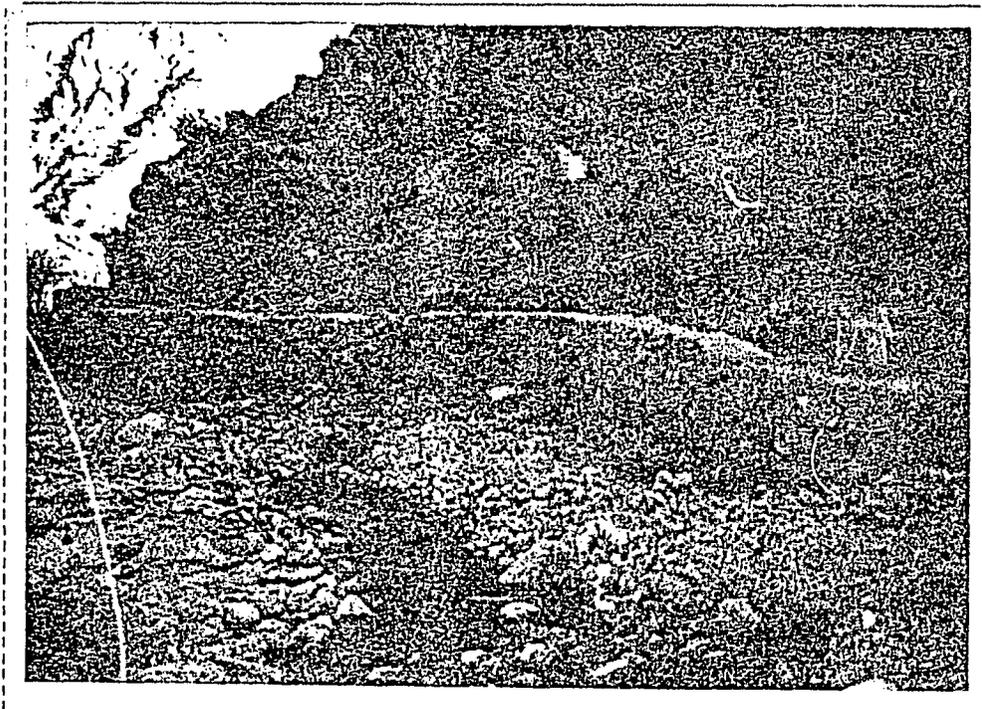
Shutul valley Nalchine village, Nalchine canal (27)



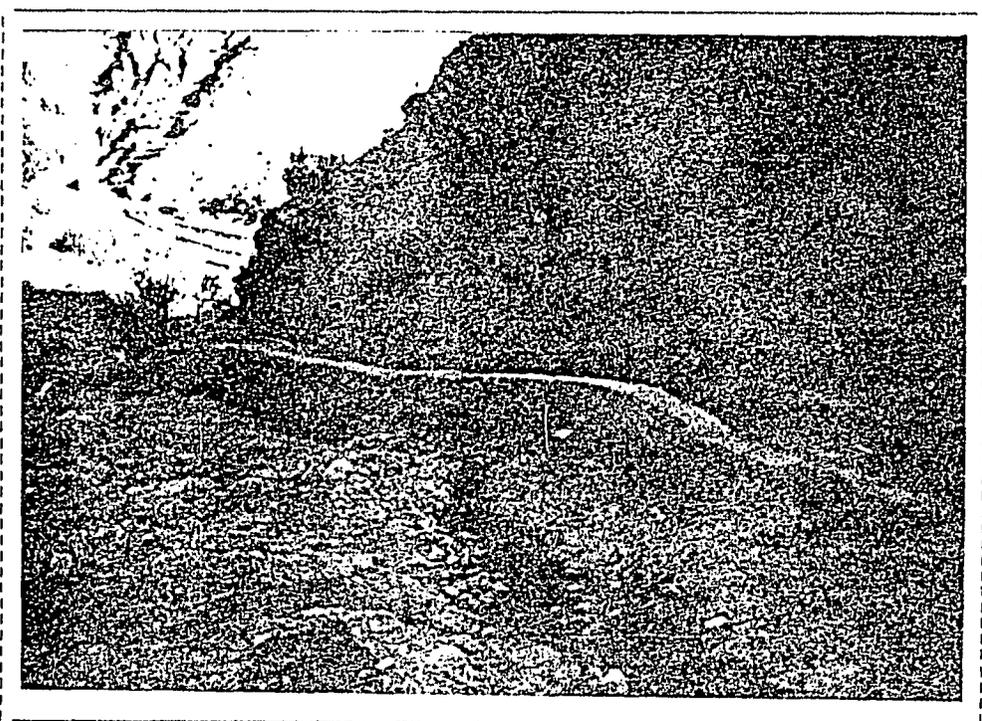
Shutul valley Doushabad village, Doushabad canal (30)



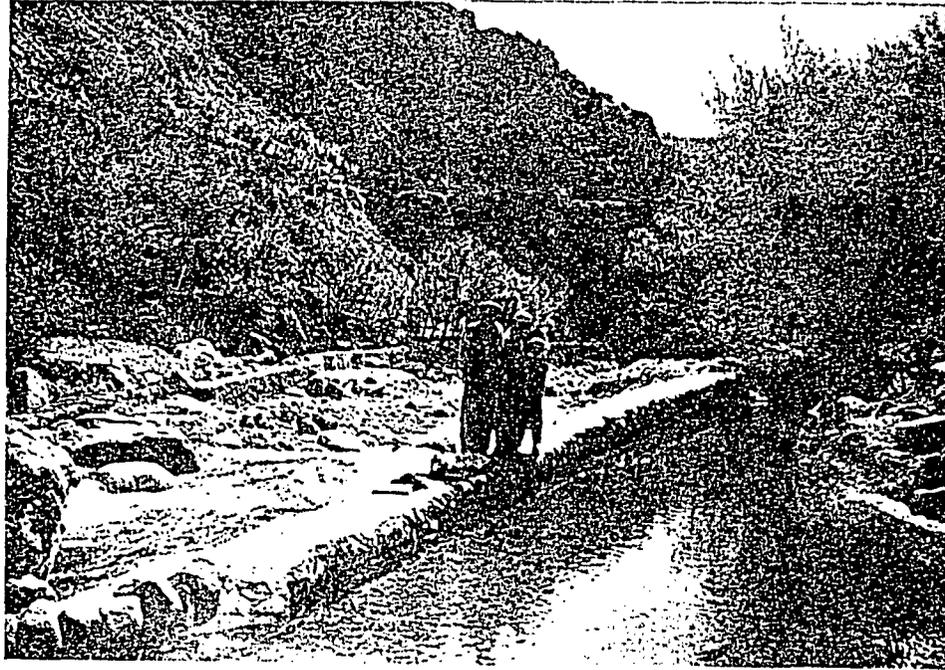
Shutul valley Doushabad village, Doushabad canal (30)



Shutul valley Kunda village, Ahangaran canal (32)



Shutul valley Kunda village, Ahangaran canal (32)



Shutul valley Doughabad village, Doughabad canal (30)

Note: We are expecting some photos from Olang and Koklami valleys, which will be dispatched to you after we receive them.