

**Matlang Kdonglapathah FIP**

Date of inspection	:	25 <sup>th</sup> February 2005
Location of the Project	:	Pynthorwah, Thadlaskein CD Block
Sanctioned cost of the Project	:	Rs. 84.26 lakhs
Expenditure till Dec 2004	:	Rs 93.02 lakhs (including renovation and maintenance)
Year of commencement	:	1995-1996
Year of completion	:	1999-2000
No. of beneficiaries	:	30 families registered and some more have been benefited

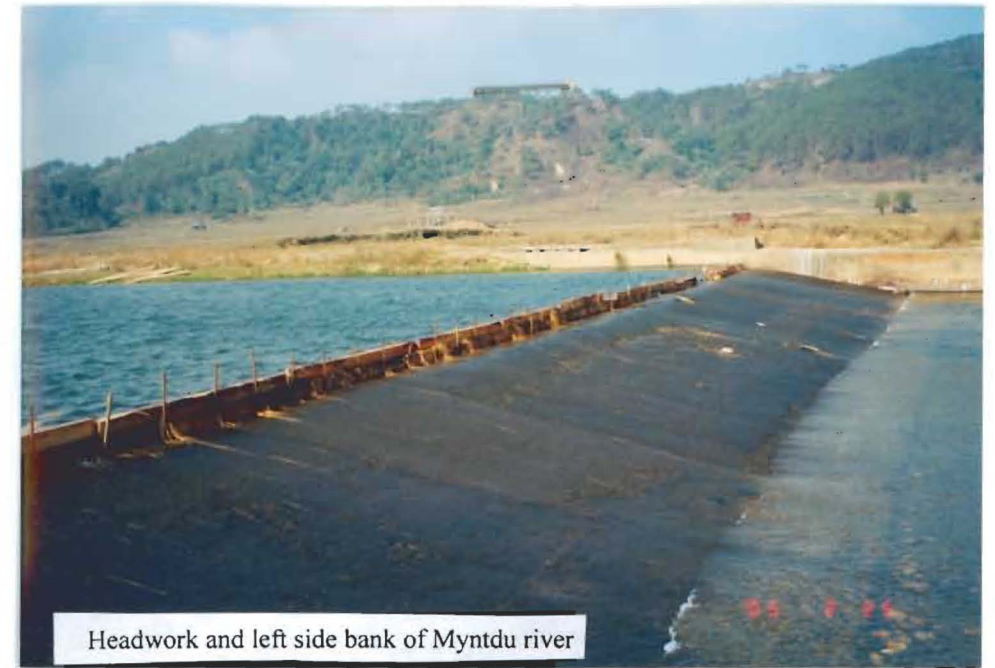
## Findings/Observations

### Headwork

The Headwork is constructed across the Myntdu river and its span is 44.00Rm. The height/depth of the headwork is 1.5m. Height of the headwork is temporarily raised with the help of wood. Part of the headwork is slightly damaged by flood erosion. Height of the headwork could not be raised due to objection by the farmers due to fear of floods during monsoon



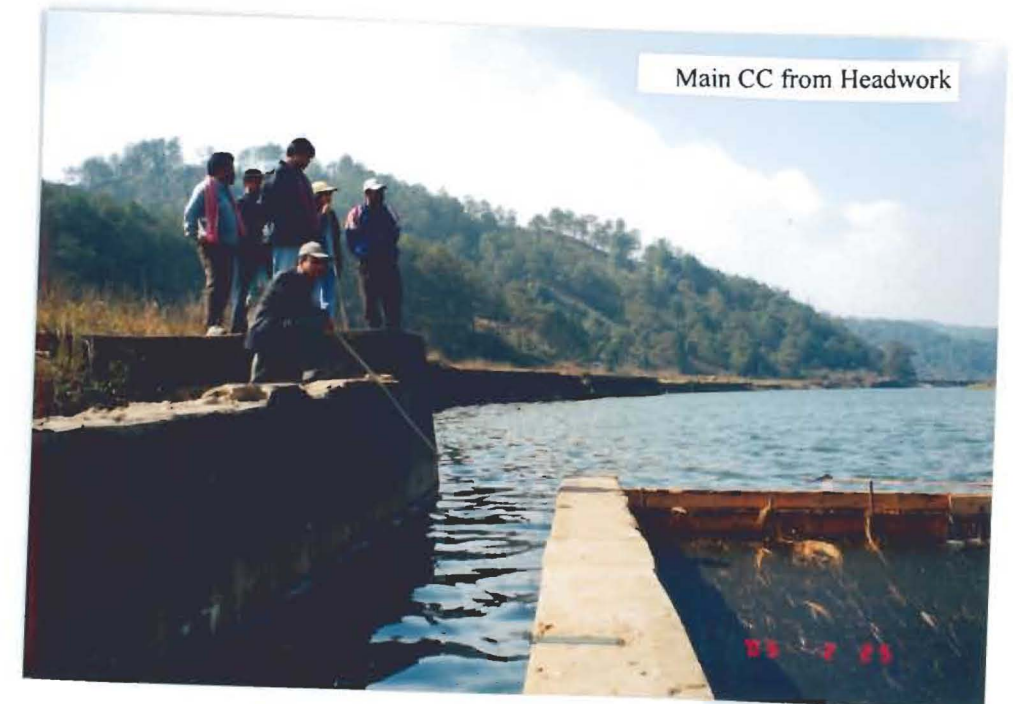
Headwork at Myntdu river



Headwork and left side bank of Myntdu river



Main CC gate



Main CC from Headwork



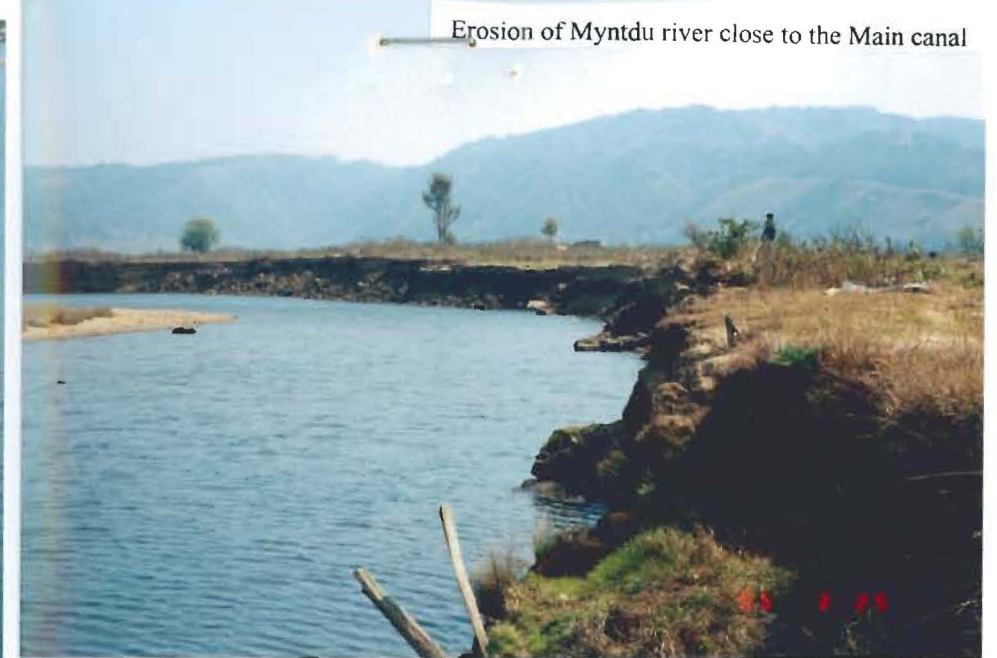
### Main Canal

The main canal is only to the right side of the Myntdu river and its length is 3.00 Km. Out of which only 300 Rm is C.C. and the rest is earthen canal.

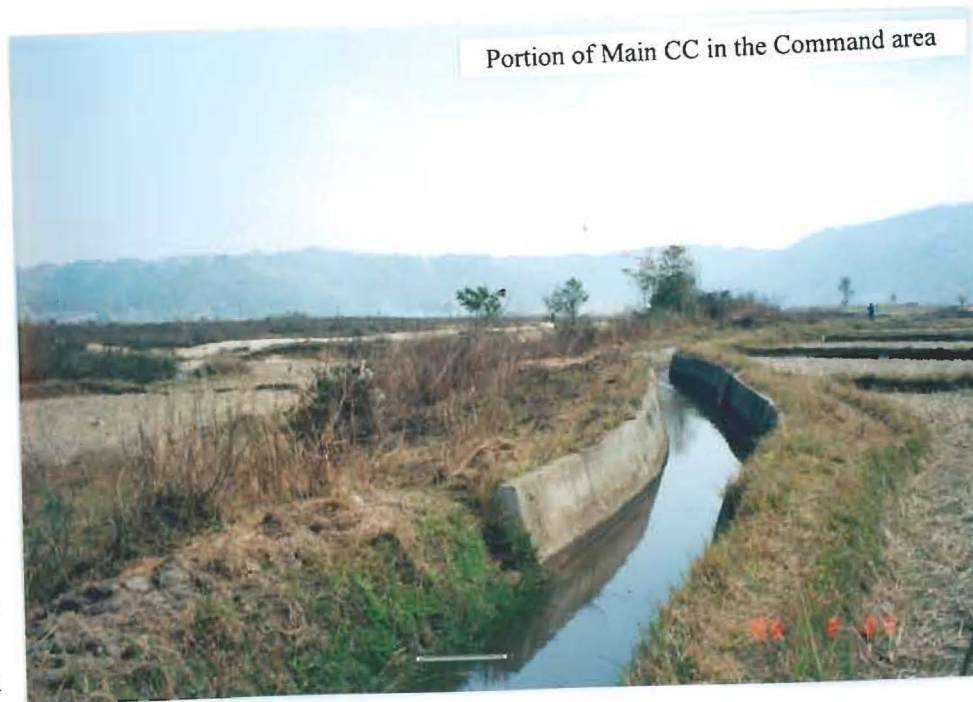
Due to erosion of the Myntdu River during the first week of October 2004 a portion of the main canal (about 200 Rm) is likely to be damaged/collapsed unless a retaining wall is constructed. At present erosion is temporarily protected with



Erosion of Myntdu river close to the Main canal



Erosion of Myntdu river close to the Main canal



Portion of Main CC in the Command area



Portion of the main earthen canal close to the Myntdu river



the help of wood/bamboo.

Reported that the beneficiary concerned has also refused to part a portion of his paddy field for diversion of this main canal.

Proposal for conversion of the earthen into C.C. for 500 Rm had been submitted to the Government.

Length of Branch C.C lined canal is 1.80 Km.(Kdonglapathah)



Portion of the main earthen canal



Portion of the main earthen canal



Pipe outlet from the Main canal



Last portion of the main earthen canal



## Command Area

**Right Bank:** The targeted area is 134.00 hect. Presently the area benefited is more than 134.00 hect.

The main canal feeds a portion of the command area on the right bank of the Myntdu river.

A major portion of the command area called Kdonglapathah is fed by three subsidiary intakes/streams.

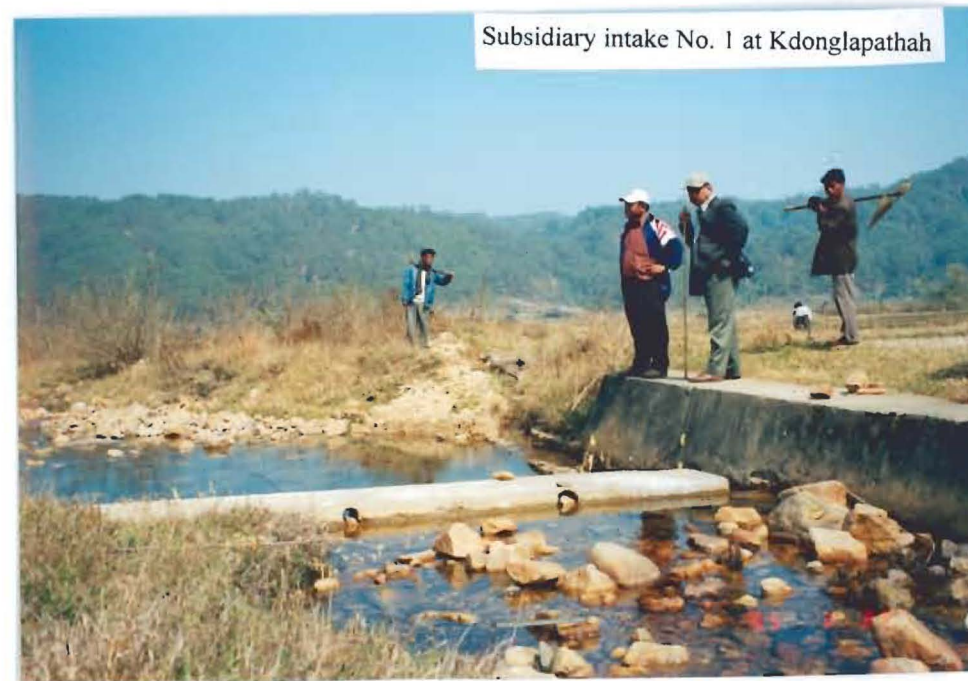
A vast area at the tail end of the main canal (Tre Tangliang, Madan Lyngkien) on the right side of the Myntdu river is still



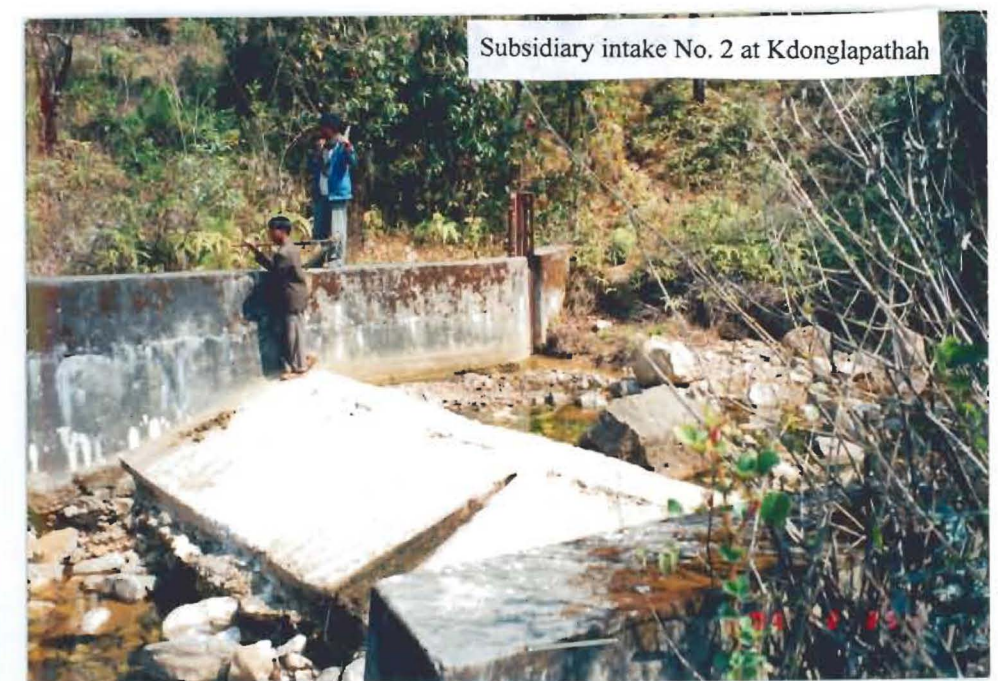
View of the Command area



View of the Command area



Subsidiary intake No. 1 at Kdonglapathah



Subsidiary intake No. 2 at Kdonglapathah

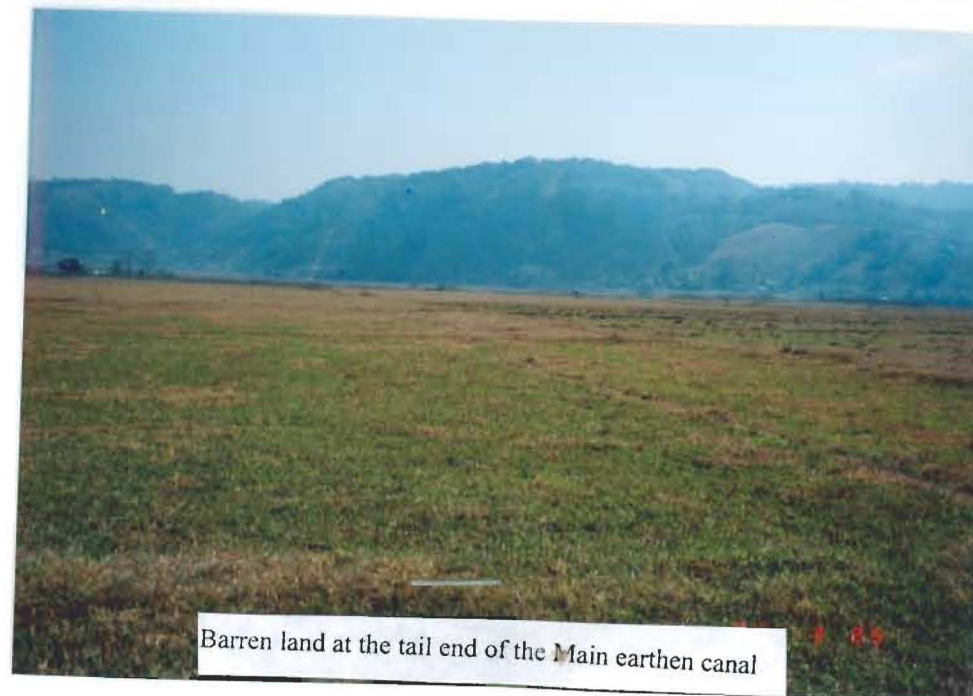
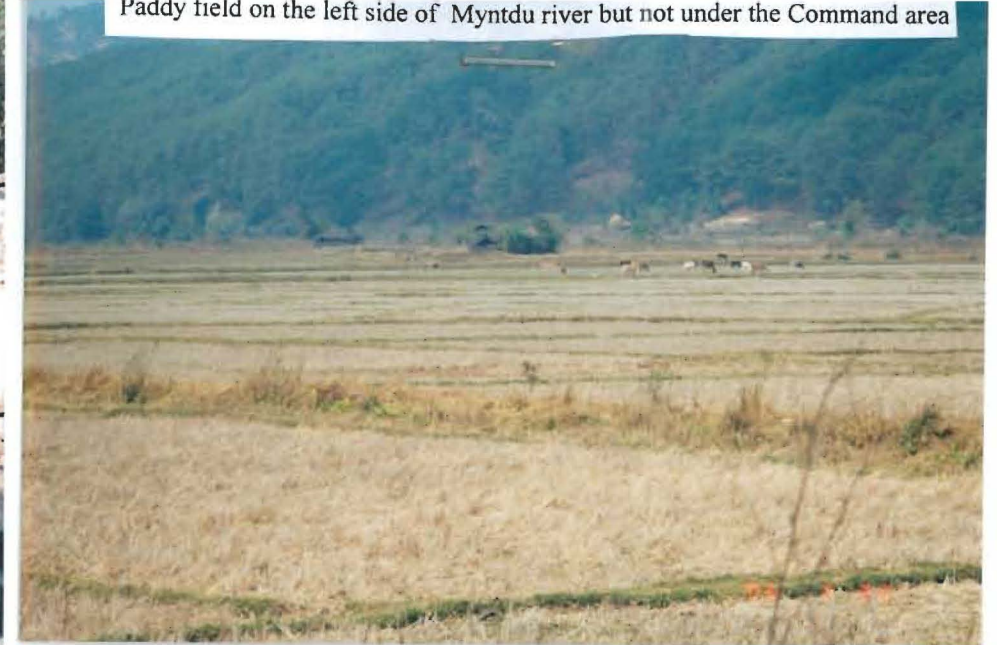


remaining barren as it is **at a higher level** than the main canal.

### Right side of Myntdu River:

There is no Main Canal from the Headwork

Paddy fields on the left side of the Myntdu river is not under the Command Area and are fed by small intakes/streams on seasonal basis.





### **Supervision**

Muster rolls/casual labourers have been engaged on seasonal basis and fund availability. A small amount is sanctioned for maintenance. No maintenance since 2000.



## Remarks/Recommendations

1. Supporting/Retaining wall (200 Rm) due to erosion of the Myntdu River is urgently required to be constructed before the coming monsoon to prevent collapse of the main Canal. Keeping in view the big amount involved, PWD may perhaps be approached for funding under Flood Control. Irrigation Department may also explore the possibility to divert the main canal by offering compensation to the beneficiary concerned.
2. The main canal which is the only Canal from the headwork is only on the right bank of the Myntdu river.
3. As there is no main canal on the **left side of the Myntdu river** a vast area is barren and the existing paddy fields are fed by small intakes/streams on seasonal basis only.
4. The height of the headwork could not be raised due to objection by the beneficiaries due to fear of flash flood. As such the flow of water at the tail end of the main canal is less and as a result of which a vast area of Tre Tangliang, Madan Lyngkien which is slightly at a higher level is barren.
5. The Irrigation Department may explore the possibility to construct another main canal from the headwork to the **left bank of the Myntdu River** to feed the barren land and the existing paddy fields.
6. Other sources need to be tapped to cover the barren land of Tre Tangliang, Madan Lyngkien and areas to the **left side** of the Myntdu river.



(10)

**TOUR NOTES/INSPECTION UNDERTAKEN BY SHRI.P.L.NONGBRI, SRO AND SHRI.E.B.LYNGDOH, ARO  
IN RESPECT OF IRRIGATION PROJECTS IN JAINTIA HILLS ON THE 24<sup>TH</sup> TO 26<sup>TH</sup> FEBRUARY 2005.**

The field inspection was taken up by Shri. P.L.Nongbri, Senior Research Officer and Shri. E.B.Lyngdoh, Assistant Research Officer.

**Date 24<sup>th</sup> Feb 2005**- Started from Shillong at 6.30 A.M. and proceeded directly to Iulambhoi FIP through Khanduli and reached the project site at 12.00 Noon.

We were accompanied by the S.E., Shillong, E.E., S.D.Os, S.Os, S.A. and other field staff of Irrigation Department of Jaintia Hills.

**Date 25<sup>th</sup> & 26<sup>th</sup> Feb 2005**- visited Matlang Kdonglapathah, Thwai U Riang Dolloi and Umsema FIP projects and were accompanied by the E.E., S.D.Os, S.Os, S.A. and other field staff of Jaintia Hills.

**IULAMBHOI FIP**

Date of inspection	:	24 <sup>th</sup> Feb 2005
Location of the Project	:	Near Tamu village under Thadlaskein C.D.Block
Original cost of the Project	:	Rs 98.00 lakhs
Revised Cost of the project	:	Rs 119.52 lakhs
Expenditure till Dec 2004	:	Rs. 122.90 lakhs including maintenance/improvement
Year of commencement	:	1994-95
Year of completion	:	1997-98
No of beneficiaries	:	50 registered and presently more families have also been benefited.
Villages benefited	:	Tamu, Lumlakhait Khanduli & Umshyngiar.



## Findings / observations

### Headwork

The Headwork is constructed across the Umplu stream and its span is 19.00 Rm

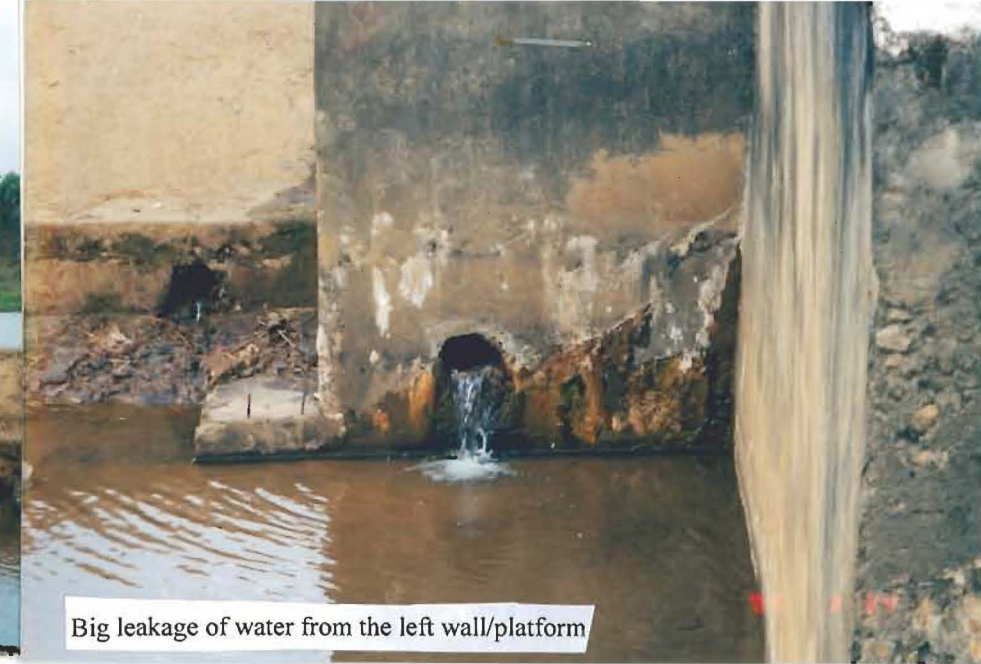
Position of the Headwork is in good condition except the **left side wall/platform of the Headwork that has been damaged during the flash floods** last year during the first week of

October 2004 and as a result a big hole has been developed from which there has been a big leakage of water. This portion is becoming very weak and needs to be immediately repaired before the coming monsoon otherwise the whole portion/platform will be washed away.

A portion of the right side wall of the Headwork also needs strengthening.



Headwork at Umplu Stream



Big leakage of water from the left wall/platform



Left side wall/platform damaged



Portion of MCC



It was informed by the E.E that a proposal for repair / renovation of this portion of the headwork and the C.C amounting to Rs 4.00 lakhs (approximately) has been submitted to the Government.

### Main Canal

**Left Bank :** There are 3 C.C aqueducts on the main canal and its length is 486 Rm. All in good condition and the flow of water is satisfactory. Certain portions of the main canal have been damaged by the flash floods during October 2004. The water supply at the tail end of the left bank is slightly less due to tampering of the flow of water by the beneficiaries along the line canal.





**Right Bank :** The length of the C.C lined canal is 3100 m. The right bank C.C is fed by the 3 pipeline aqueduct from the Main C.C.and its length is 360 Rm. The position of the C.C canal and pipeline canal is in good condition.

**C.C distribution tank :**

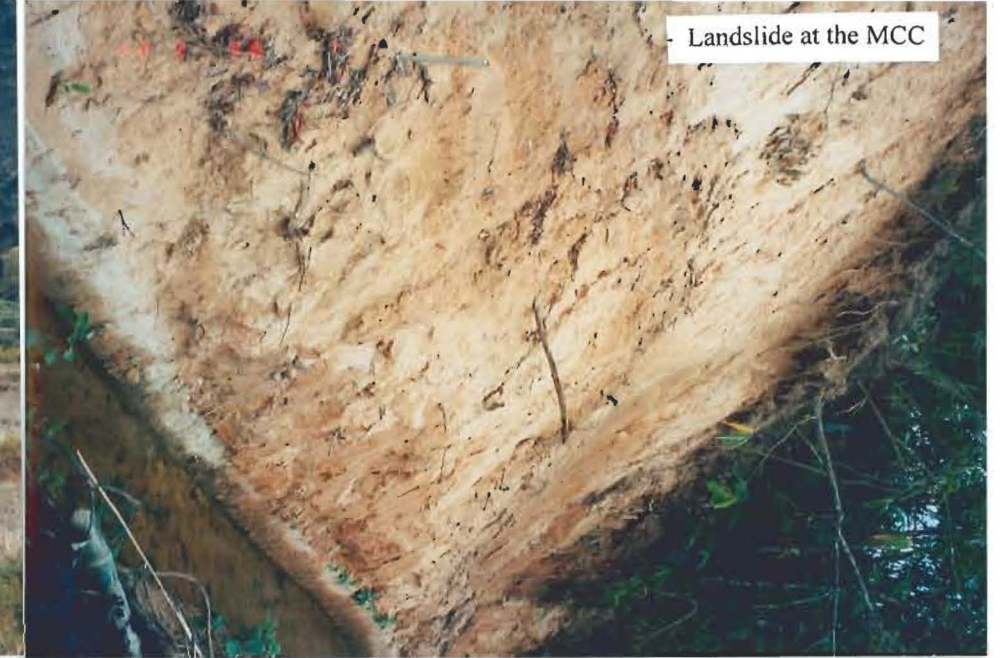
Left Bank – 1 No

Right Bank- 1 No.

**Command Area:**

The targeted area is 210 Hectares. Presently more areas have also been covered.

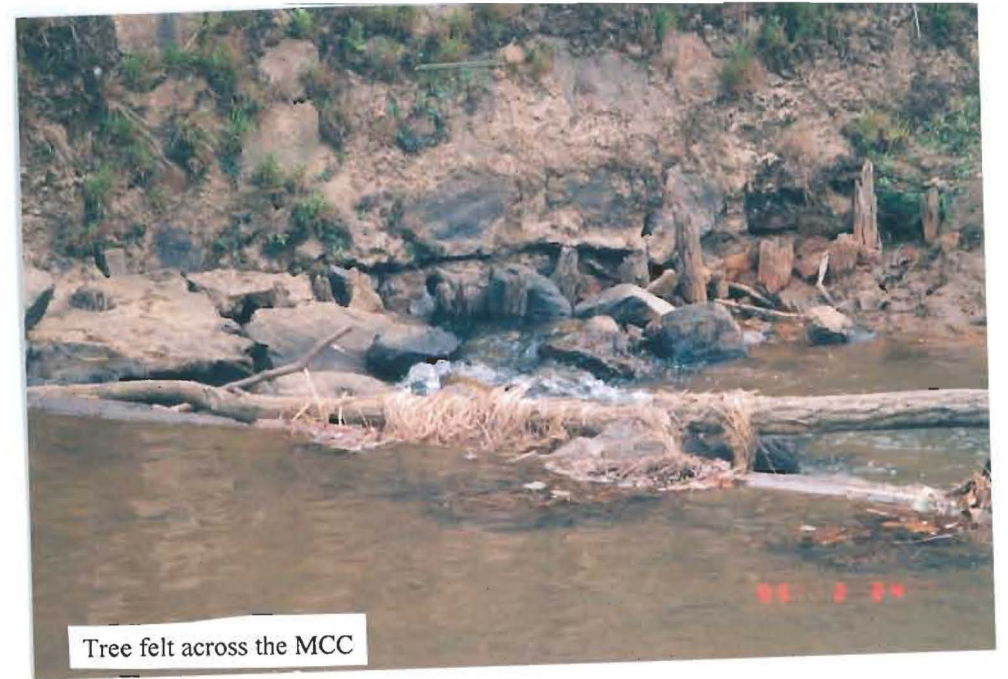
The command areas are well fed by the canals and pipeline except the tail end of the left bank canal.The main crop grown is paddy.





## Supervision

There is only one SA and one khalasi looking after the project but the S.A is also looking after 4 projects. Casual labourers have been engaged on seasonal basis and fund availability. Due to shortage of fund supervision/maintenance has been affected.



### Remarks/Recommendations

1. The project is functioning satisfactorily and more areas other than the targeted command area have been brought under the command area.
2. In view of the difficult topographical terrain, vast area of the command area and fund shortage, maintenance and supervision has been affected. Field staff engaged **for abandoned projects** if any should be utilized for functional and successful ones.
3. Immediate necessary action is required for repairing / renovation the **left side wall/platform of the headwork** before the coming monsoon otherwise the entire portion will be washed away.
4. Portion of the C.C damaged due to flash flood should be repaired immediately.
5. Field staff should undertake regular checking/supervision to ensure regular and smooth flow /distribution of water.
6. The flow of water at the tail end of the **left bank canal** should be improved. This matter should be seriously taken up by the Irrigation Deptt and if necessary they may approach the District Administration.



**UMSEMA FIP**

Date of inspection : 26<sup>th</sup> February 2005

Location of the Project : Near Saphai village under Laskein CD Block

Cost of the Project : Rs 37.11 lakhs

Expenditure till Dec 2004 : Rs 38.195 lakhs

Year of commencement : 1992-93

Year of completion : 1996-97

No. of beneficiaries : 18 families targeted but presently only two beneficiaries have developed their area .



## Findings/Observations

### Headwork

The Headwork is constructed across Umsema stream and its span is about 10.00 Rm. Though the headwork is small but since it is at a very high level the current/velocity of the flow of water is quite satisfactory.

### Main Canal

It is a double pipeline supported by cement pillars upto the first distribution tank.

**Left bank:** It is a single pipeline and its length is about 2.00Km. Only a portion of the pipeline is supported by cement pillars and a major portion is temporarily supported by wood/bamboo. Pipeline has also been damaged by wild elephants. As a result of which leakage and breaking of pipe line is unavoidable. The pipeline continues upto the junction where Myntang and Kupli river meets.

It is reported that proposal for



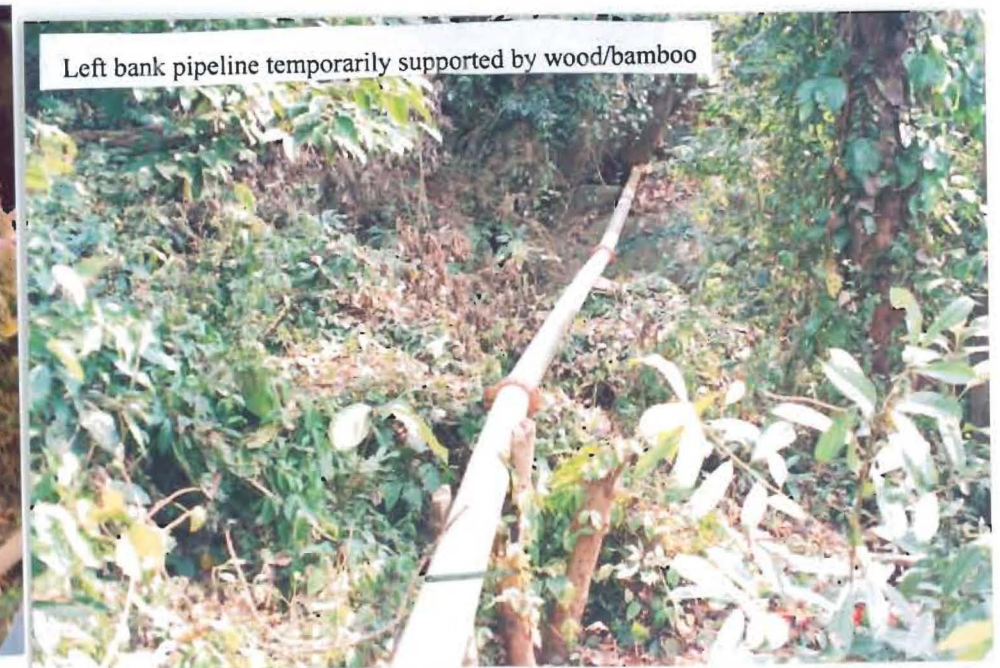
Headwork at a very high level



Pipeline from headwork



Pipeline from distribution tank



Left bank pipeline temporarily supported by wood/bamboo



construction of cement supporting pillars of the pipeline is submitted to the Government.

**Right bank:** It is a one pipeline from the first distribution tank and its length is 0.22 Km. It covers the first part of the developed command area (terracing system).

There are 3 Nos of main reservoirs.

### Command area

A fraction of the targeted command area (90 Ha) only is developed/under cultivation

There are only two beneficiaries who have developed their areas. One is the terracing system at the first part of the right bank and the other one is at the tail end of the left bank pipeline.

Though there is a vast scope to develop this area but a vast area still remains barren.

### Supervision

There is only one Khalasi looking after the project. Limited fund is available for maintenance.



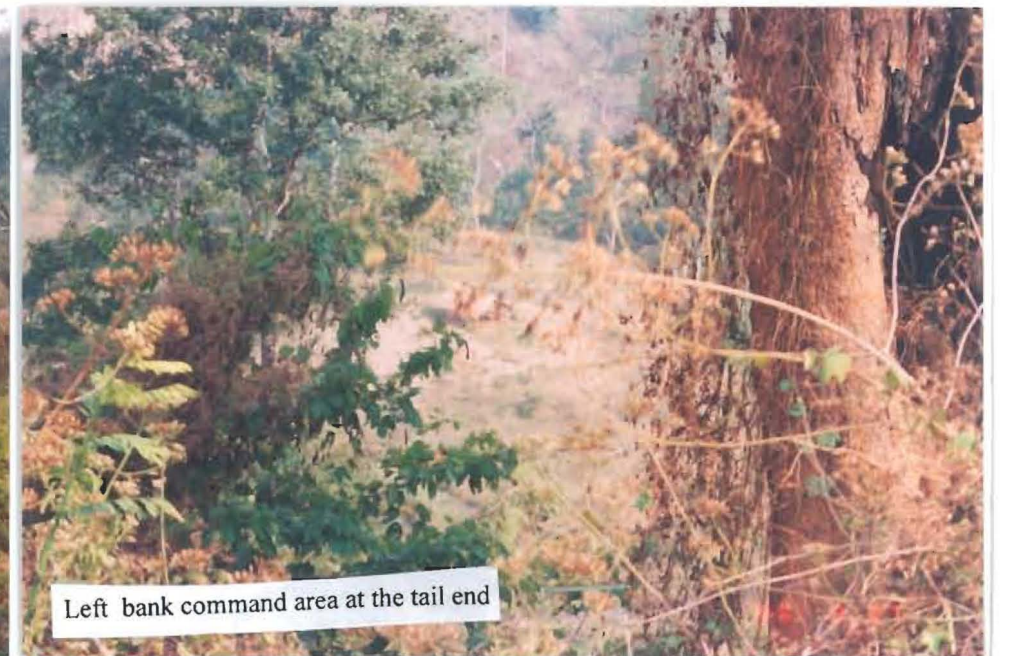
1<sup>st</sup> distribution tank



Right bank command area



Right bank command area



Left bank command area at the tail end



### **Remarks/Recommendations**

1. **Only a fraction of the Command area is benefited from the Project.** Though there is a vast potential to develop the area but that will take time. In view of this, Irrigation Department should avoid major renovation.
2. The project is situated in a very interior area bordering North Cachar Hills about 10 Km from Saphai Village. No transport facilities are available. The area is the hideout of militants from across the border and also affected by wild elephants. Local people are easily depending on forest products. A major portion of the command area belongs to people from outside like Raliang etc. This might be the reasons why this area remains barren.
3. Construction of cement pillars to support the pipeline at certain portions is necessary.



**THWAI-U- RIANG DOLLOI FIP**

Date of inspection : 25<sup>th</sup> February 2005

Location of the Project : Near Shangpung under Laskein CD Block

Cost of the Project : Rs 43.27 lakhs

Expenditure till Dec 2004 : Rs 68.84 lakhs including renovation and maintenance.

Year of commencement : 1991-92

Year of completion : 1992-93

No. of beneficiaries : 38 families targeted but presently more have been benefited.

## Findings/Observations

### Headwork

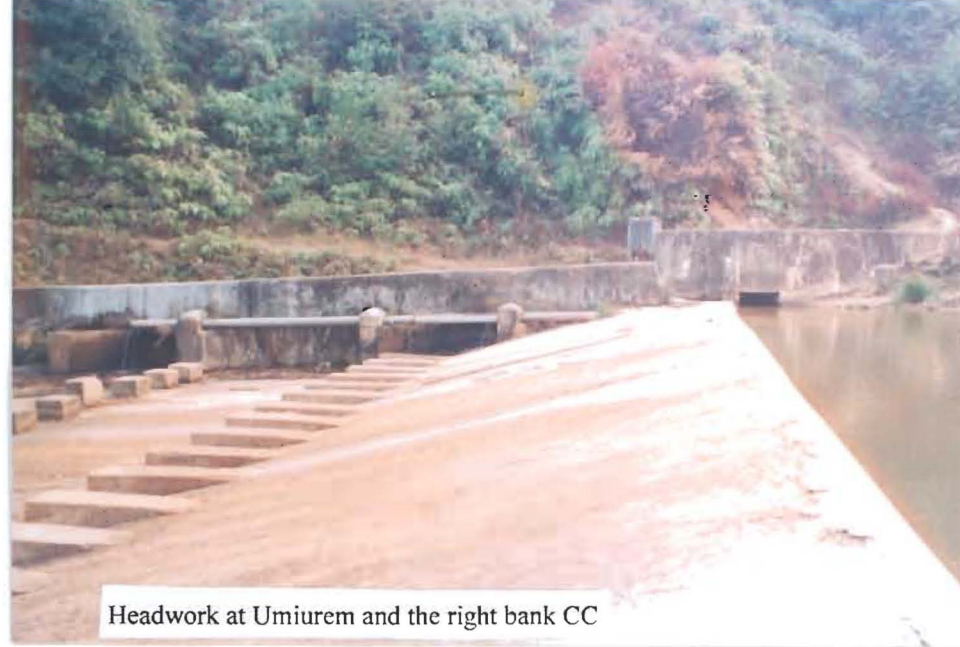
The Headwork is constructed across Umiurem stream and its span is 48 Rm. The Headwork is in good condition and the flow of water is satisfactory.

**Left bank** - The length of double pipeline (6 inches) is 2.5 Km.

There is also one PHE pipe supplying drinking water to Shangpung village.

The pipe line is functioning well except small leakage here and there.

The left bank is also fed by four small intakes/streams on seasonal



Headwork at Umiurem and the right bank CC



Right bank CC



Left bank pipeline

Left bank pipeline



basis.

There are 2 Nos of Main reservoirs.

**Right bank** – The length of CC canal is 1.2 Km and earthen canal is 0.4 Km.

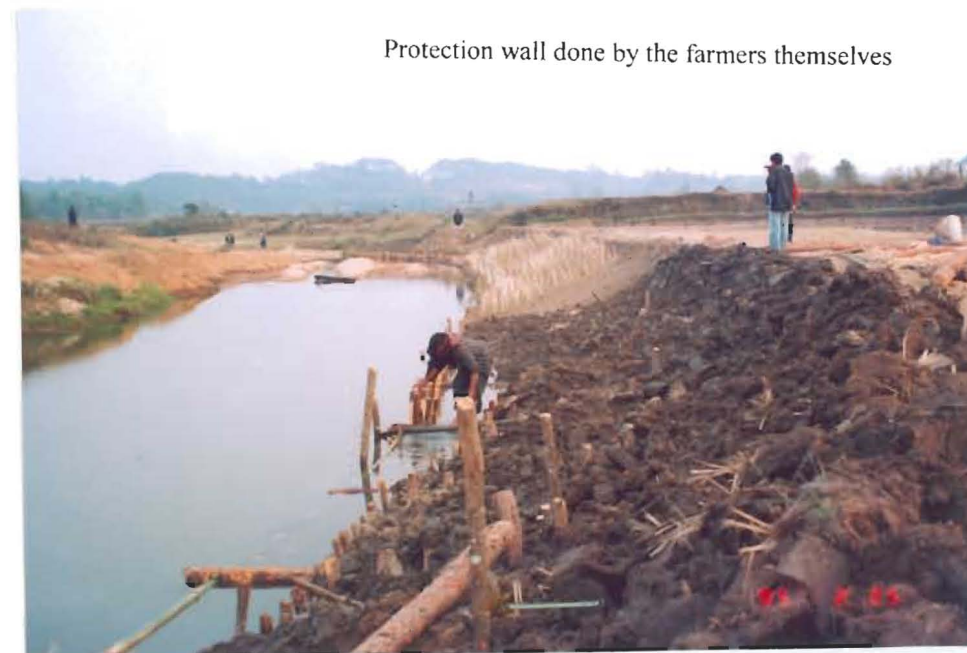
#### **Command area**

The command area is 180 hectare and the main crop grown is paddy. Multiple cropping like potato etc has been started.

Supply of water at the tail end of the left bank is slightly less.

#### **Supervision**

There is only one SA who is looking after other projects also. Limited fund is available for maintenance.



**Remarks/Recommendation**

1. The Project is functioning well provided leakages of pipeline and small damages of canals are properly monitored.
2. Water supply at the tail end of the left bank pipeline should be improved.
3. Mouth of the left bank pipeline at the headwork should be properly checked to prevent blocking of pipes.