

## Field Inspection of Mairang (Urban) Water Supply Scheme

**Date of Inspection** - 10.03.2010

**Team of officers** - Shri P.L.Nongbri, Deputy Director, Shri N. Kharshandi, Asst. Research Officer and Shri S. Sungoh, Asst. Research Officer of Programme Implementation and Evaluation. The team was assisted by Shri C. Kharwanlang, E.E. and Shri D.Shabong, S.D.O. of P.H.E Mairang.

**Name of the Scheme** - Mairang (Urban) Water Supply Scheme.

**Source of Fund** - Under NLCPRR by DONER

**Type of Scheme** - River Pumping

**Name of Source** - Kynshi River

**Type of source** - Surface Water

**Time of completion proposed** - 3 Years.

**Ultimate population** - 12,550

**Approved cost**- Rs 806.12 lakhs

**Date of Approval** - 22.03.2006

**Anticipated Date of Completion**-December 2008.

**Fund released** –

(i) Rs. 672.00 lakhs from Central Government

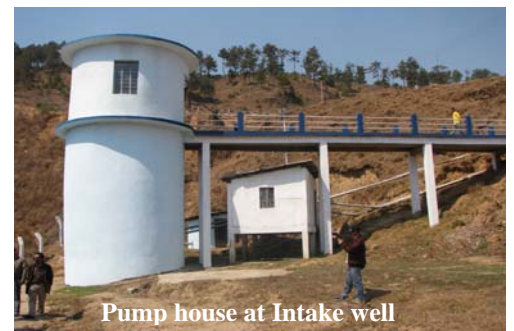
(ii) Rs. 80.00 lakhs from State Government

**Expenditure incurred** – Rs.699.44 lakhs

**Status of work**- Completed

**Distance of Treatment Plant(Old/Existing) from Intake Structure** - 2580 meters

**Executing agency** - PHE Department.



### Observations/Findings:-

1. The Scheme is completed after 1 year of the scheduled time.
2. The new Scheme is to augment/supplement the old/existing Scheme.
2. New construction of Intake Structure and Pumping Systems was taken up and completed.
3. Treatment Plant, Clear Water Main Reservoir of the old scheme is used. Old Raw Water Main Pipeline (M.S.) from the Intake structure to the Treatment Plant is used.
4. A Main Clear Zonal Reservoir is constructed at Dommaralong and its capacity is 3,92,000 lits. Fencing work has been allotted to the owner of the land and the work is yet to be completed.
5. Renovation of distribution pipelines has also been done.
6. A road from the main road to the Intake Structure and Fencing of the PHE campus was also constructed under the Scheme.
7. Construction of new zonal reservoirs and some renovation works of the zonal reservoirs of the old Scheme have also been done.
8. A higher power transformer was installed.
9. It was found that there is sand quarry in the upper part of the river near the Pump House and this will slowly affect sustainability of the source.
10. There is land erosion on both sides of the river in the area of the Intake Structure especially during monsoon.
11. It was found that the construction of all components of works is satisfactory.
12. The inauguration of the project is scheduled to be held on 18.03.2010.



Main clear water reservoir at Dommaralong



Small pumping system to lift water to zonal reservoir for Dong Mission East



Zonal reservoir for Dong Mission East

**Recommendations:-**

1. PHE Department should take up with the Sirdar/Headman and the people involved in sand quarrying in the area of the intake structure to make them aware of the destructive effect to the Source.
2. It is suggested that fund should be provided to construct wall on both sides of the river at the intake structure so as to prevent land erosion.

