

**NERUDP
PMMC – Cell**

No. K-14011/15/2011-NERUDP-(PMMC)

Subject: Tour & Travels file

AIZAWL TOUR REPORT

By Dr. Aasha Ramesh (Benefit Monitoring Expert) 20th to 23rd August 2012

A visit was made to Aizawl from 20th to 23rd August 2012. The objective of the visit was to brief SIPMIU and DSMC on the questionnaire developed for Benefit Monitoring of the works completed under Tranche I and to finalize the same in consultation with them.

The questionnaire was agreed and the methodology for stratification of the sample for household survey was finalized. The following was agreed:

Sr. No.	Issue	Outcome	Responsibility	Tentative date
1.	Impact of Chlorinators on water Quality Health	Collection of Secondary Data from the laboratory	SIPMIU & DDSMC	End September '12
2.	Impact of Water Quality on Health	Collection of data from Government hospital in Aizwal and from the sub-centres which cover the 5 wards covered in Tranche-I	SIPMIU & DSMC	End September '12
3	Water Metering	Analysis of the 15,000 meters installation has been done in lots. Data to some extent would already be available for a few months since the functioning of the first lot of meters (~3800)	SIPMIU	Analysis to be sent to PMMC at the earliest, latest by end October 2012
4.	Benefit Monitoring questionnaire and study	Primary data collection including Sample survey	SIPMIU & DSMC	This will be completed within a period of 6 months and the study with analysis is expected to be submitted to PMMC tentatively by April 2013
5.	BM Questionnaire and survey	Periodic update on the progress	DSMC	A monthly and quarterly progress

				report would be submitted to PMMC
6.	Water meter information	The analysis of the 3,800 water meters that was presented at the NSC recently	SIPMIU	This information may be shared with PMMC immediately.

I. The other issues with reference to the questionnaire that were pointed out were:

- Secondary data will provide information on the additional storage capacity- earlier and current b with respect to volume/quantity and not levels in all the 7 reservoirs. (Ref point I b).
- There are no flow meters on the inlets, only on the outlets (refer Ic) Outlet and inlet flow meters only provided to consumer connections. Earlier there were no flow meters for the reservoirs and now only these provided for the outlets.
- Volume of water received before and after replacement.
- Water meter 100% completion in March 2012-15,000 households (Therefore the date collection can only be done in lots and that will show the trends emerging from the metering).

II. Survey related suggestion:

The sample would comprise of:

20% from the high income group,
30% from medium,
40 % low and
10% women headed households

Another suggestion was, 20%, 30%, 50% and an additional 100 FHH.

A call will be taken on the sample selection methodology. However whatever selection methodology is agreed upon, the numbers will not be less than the stated 750. In fact there is a possibility that the number may increase by another 100, which is a welcome suggestion. Further within the numbers of the FHH finalised for the survey, the income group classification will be followed, with emphasis on the poorer communities.

Attached is a list of the members present for the above discussion. **(F – A)**

Other information and observations on the field:

- Seven Day Talang Reservoir- largest of the 7 reservoirs replace in tranche I. Capacity is 17.6.KL and it was completed in January 2011. Water supply from this reservoir covers 32 streets with a population of 1907 households. The reservoir has 141 valves which are located at respective distribution points. The valves are opened once every 11 days for 50 minutes. Each valve covers a minimum of 4 and maximum of 30 household clusters. Each connection receives 3,800 litres of water when the valve is opened. Some households may have more than one connection too. On an average 50 lpcd of water is received per day taking an average of 5 members per household.
- Under tranche II, work on a new reservoir has been started. This reservoir will have a capacity of 450 KL. It is expected to be completed by early 2013.

- The Chandmari booster pump. Under Tranche I a chlorinator was installed here. It is currently not being operated due to shortage of personnel. This chlorinator was handed over to the PHED in 2010/2011
 - Water meters have been connected to the household water supply distribution pipes. Based on this the water charges are being billed on volumetric basis. The analysis of such data is sought from the relevant departments as part of the BME.
- The BM and E expert had a separate meeting with the DSMC, team leader, the RR expert and engineer. With the RR expert, the discussion was around the Gender Action Plan that has been drawn up and the proposed workshop. Suggestions were given on the kind of issues that need to be discussed as well as the kind of representation that should comprise the participants of the workshop.

A meeting was also held with the IDC's: Financial expert and MIS expert.

- 4 capacity building trainings have been held for the AMC staff on accrual and double entry system-Tally
- Survey on property tax will commence in September- thereafter the property tax entry will be based on UAM-Unit Area method and will be applied from April 2013.

Mr. Valbuanga, the PD informed that his suggestion for 'Mizoram Water Sector Reforms Committee has been approved. The role of the committee will be to look into the formation of Aizwal water supply and sewerage board and will act under the AMC (Aizwal Municipal Council). AMC comprises of 19 wards and 6 of them reserved for women. The total number of, elected members are 81.

Benefit Monitoring & Evaluation Expert

PMMC

28.08.2012

Team Leader

PMMC

28.08.2012

SO (NERUDP)

Director (UD)