

**NERUDP
PMMC – Cell**

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Subject: Tour & Travels file

REPORT ON SITE VISIT TO SHILLONG SLFS WITH CPHEEO ON 08-12-2012

A site visit was made to the SLFS site at Marten with a view to determine the justification of DPR of PHASE-2. A visit was also made to Umasawli (the new site located in New Shillong). Prior to visit to the site, the collection system both in the commercial area and residential area was also witnessed. Mr. Chaurasia from CPHEEO had come for a ground assessment.

The objective of the visit was to study the justification of proposal for Phase-2, and the projected life of the Phase-1 currently under development. Based on the visit, the following observations were made:

1. On the basic question of quantum of waste reaching the SLFS site, the team felt that the figure of around 100 tons per day was overstated. It was suggested that a weeklong study be carried out by actual weighing of incoming waste. The figure of 110 MT based on measurement of one day and that too on a day maximum waste comes to dumping site may not be representative. The visiting team expects this figure to be more like 50-60 MT.
2. On the next question of how much rejects/inerts would be disposed to the SLFS after composting, an on the spot discussion with the contractor of compost plant revealed that he gets about 30% rejects from the unsegregated waste that is received at the plant. Upon inspection of this waste it was found it consists largely of plastic waste, which was very fluffy in nature. In the opinion of the team this waste can be compressed to 10% in volume. Further, this material has high calorific value and can be used by nearby cement plant. Hence it is suggested to install a baling machine and make bales of this waste and dispose the same to the cement plants etc. thus the waste going to the landfill can be reduced to about 10% even in the short term.
3. The site being developed under Phase-1 and that proposed to be developed in Phase-2 was inspected. It was felt that its holding capacity (Cu m) can be increased considerably by a) excavating to Ground Level, b) by removing the shoulder provided in between Cell No 1 & 2, and c) even the land earmarked for the road to bring rejects to the various cells can be dispensed by using alternate routes so that maximum area is utilized for dumping of rejects. In this way the life of the current site being developed can be increased considerably. Several suggestions have been made and SIPMIU is to look at their feasibility and revert with a revised design to maximize the holding capacity of this site while minimising the rejects to be disposed in the SLFS.

4. Overall it was felt that MoUD might consider supporting the expansion to Phase-2 so that the entire site can be developed in a seamless manner and the PHASE-2 of the project may be accommodated under Tr-2, if possible. This is more so because the new site at Umsawli is yet to receive EC and there are apprehensions that there may be resistance to development of this site as an SLFS site in the middle of institutional area. The State Govt has been going slow with the Public Hearing required for EC, for this reason only. Hence it makes sense to increase the life of the existing site, which has all clearances and is well established. The decision regarding development of the new site is in any case to be taken in Tr-3 only.
5. The ongoing work for development of Phase-1 was also inspected. Besides the suggestions of excavating deeper and reducing the unutilised area so as to increase its capacity, there was some concern about the stability of the retaining wall being constructed, as it has not gone sufficiently deep. Suggestions to improve stability such as toe wall etc. have been made. The speed of work is also very slow and the contractor is having labour problem as severe restrictions have been imposed on migrant labour. However, SIPMIU feels that they will complete the project in time I.e. September 2013. Better monitoring of the contractor has been advised.
6. SIPMIU has been advised by CPHEEO to prepare a revised design and agree the same with CPHEEO after which a costing can be done for submitting a revised DPR.

A more detailed visit report will be issued by CPHEEO.

PMMC

10.12.2012

SO (NERUDP)

Director (UD)

Approved by JS (UD)
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