

Inspection was carried on 16/5/2007 in road corridors as well as construction camp coming under the jurisdiction of Amritsar division. The observations made during the visit and as informed to contractor to rectify are listed below.

**M/s Satish Agarwal & Co.**

1. Plant site management

- The labour was handling bituminous mix without any safety gloves in the plant.
- No measures were taken against spillage of bitumen and oil.
- Large number of empty emulsion drum (scraps) was placed near the hot mix plant as a result spillage from these drums was getting mixed with improperly stacked aggregate.
- The repairing of vehicle was not performed at defined repairing area.
- The extent of bitumen/asphalt fumes generated was very high. The inhaling of these fumes has serious health effect on human body. Respirator device need to be provided to labour working for collection of bitumen mix falling from conveyor belt.
- It can be summarized that with start of construction work, least concern toward EMP has been observed and good aspects achieved have been invalidated.

2. Traffic Safety Management

- No traffic warning sign were available on site; accept for 'work in progress' and traffic cones.
- The personal protective equipment (like Safety jacket and helmet) was provided to very few (approx. 5 nos.) labours.
- The labour engaged for bitumen laying and spraying of tack coat was without safety gloves, safety shoes. The rubber gum boot provided to labour is not suitable, because of the temperature of bitumen mix used.
- Labour engaged with tack coat spraying work may be provided with respirator device to prevent inhalation of tack coat minute droplet.
- Two flagmen were provided for traffic management, but were found to be ineffective.
- The labour engaged for marking the center line with lime was without hand glove. This is not appropriate due to probability of reaction with lime and sweat due to intense hot climatic condition.
- The age of labour engaged in the work may be confirmed and employed for job.
- There was no arrangement of adequate drinking water on site for labour. This needs to be given serious thought due to chances of dehydration because of hot climatic condition.