

Inspection of Construction Camps was carried on 12/5/2007 at Ferozepur. The observations made during the visit and as informed to contractor to rectify are listed below.

| <b>Observation made on 7<sup>th</sup> November 2006</b>   | <b>Compliance Status</b>   |
|---|--|
| 1. Oil storage tank was build underground and is not properly marked. The electric motor used for pumping the oil to the Hot Mix plant tank was leaking; as a result the soil is continuously polluted. In addition to counter accident, measures like installation of fire extinguisher and warning sign is needed in all such danger locations. | The electric motor has been lifted from the ground.<br>The location has been marked, but the Fire Safety measure was found to be inadequate.   |
| 2. Spillage due to loading and unloading of emulsion drum has resulted in spillage of emulsion on ground. It was suggested to prepared platform with sand over tarpaulin sheet as base. In addition to counter accident, a measure like installation of fire extinguisher is needed.  | The proposed measure for sand over tarpaulin sheet is not effective due to continuous handling of drum. It was further suggested to provide brick platform on cement mortar.         |
| 3. None of the labours, except the plant operator is staying in the camp. In case, in future if labour are to be accommodated in the camp washing area need to be provided with proper platform and drain with opening to septic pit.   | It was observed that truck drivers take bath in the camp; hence it was suggested to provide a bathroom with waste water disposal pit.  |
| 4. The office room provided was small, so it was suggested to improve the office with toilet attached.  | The room has been repaired, but the toilet was not attached.   |
| 5. The amount of scrap in the camp was less so it was suggested to have provision for storage of scrap in the camp and defined it into scrap yard.  | From hygienic point of view, it was suggested the present location of scrap yard adjoining to office be relocated to extreme corner of camp, with brick platform on cement mortar.   |
| 6. Concrete platform at periphery of the bitumen storage tank was suggested as spillage was observed all around the storage tank.   | This has been provided, but it was found that damage had occurred. Hence it was suggested to repair the platform with cement mortar and extension of platform by 0.5 m on all sides. |
| 7. It was not clearly informed about the disposal of the sludge generated from the hot mix plant. It was suggested to identify the location and prepare a detail disposal mechanism.  | The location was identified behind the laboratory, but management is required.   |
| 8. The stacking of aggregates was irregular and it was suggested to make it define and prevent its spillage to adjoining agriculture  | This needs to be given attention in future also.   |

|   |  |
|---|--|
| land.   |  |
| 9. Construction camp as of now does not have a defined boundary, so it was suggested to define the boundary of the camp by fencing.                     | This is still not done.  |
| 10. The kitchen was small so relocation was of kitchen was agreed with provision of vermin-composed pit for disposal of organic waste from kitchen.     | The kitchen has been relocated behind the office, but vermin -composed pit was not provided.                                       |
| 11. Transportation vehicle in the camp was park haphazardly, so it was suggested that a define parking area be provided.                                | A defined parking area is stilled to be provided.  |
| 12. The camp need to be clean on regular basis, as this aspect was observed to be neglected.  | This aspect is lagging, as most of the areas are polluted with oil waste, bitumen spillage, bitumen mix waste etc.                 |
| 13. Open pit toilet with concrete platform was provided as a result it was suggested to carry out disinfection of toilets surrounding on regular basis. | New toilet with septic tank has been constructed.  |
| 14. It was suggested to provide the portable water used for drinking be stored in a tank lifted above   | It was observed that storage drinking water is not sufficient, hence was suggested to provide tank with adequate storage capacity. |

#### **Additional Observations:**

- Traffic signage (like speed limit, no overtaking, Men at work, work in progress, etc) required during bitumen lying was available on site.
- Three labours were found using PPE during cleaning of road. But it has been observed there may be requirement of additional number of PPE's.
- The haulage route to borrow area passes from settlement, hence carriage compartments of all truck shall be covered.
- There are trees existing near borrowing area, hence care should be taken will excavation of earth.
- The stack of generation should be kept vertically with prescribed height as in NOC issued by Punjab Pollution Control Board.
- The fire safety measures in the camp are inadequate, hence additional fire extinguishers needs to be bought.
- Keeping the intense hot climatic condition, sufficient amount of drinking water shall be made available for labour on site.
- The traffic cone used for delineation of work zone should be distinctly visible, but it was found that, existing cone are not satisfying the purpose. Hence, it is advised that the cone be clean and additional new cone area introduced.