

Sub: Guideline for Annual up-keeping and maintenance of coal transportation roads of different Areas.

Coal transportation roads in different projects are in urgent need for its repair and re-surfacing to facilitate smooth transportation of coal. In MCL approximately 40 to 50MT of coal is being transported from the mines to CHP and different railway sidings every year. For the above purpose an average of 3 to 6 nos of coal carrying tippers of different capacity of 10T to 20T are plying in every minutes on the roads.

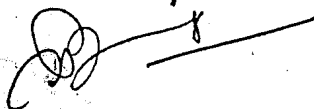
In co-ordination meetings the above issue is being discussed & monitored for repair of the roads before next monsoon and accordingly actions have already been taken.

The following are the major reasons for damage of the bituminous surface of roads.

- (i) Plying of over loaded tippers with coal and spillage of coal on road surface during transportation.
- (ii) Continuous water spreading on road surface for dust suppression which forms coal slurry / sludge on road surface thus damaging the bituminous surface of the roads.
- (iii) Use of grader to remove the sludge from the black topped surface of roads which causes damage of road..
- (iv) Accumulation of sludge heaps/earth heaps on both side berms which obstruct drainage of rain water from the road surface and ultimately getting bituminous surface damaged.
- (v) There is no proper system for annual up-keeping of roads.

Thus even if we repair and re-surface the entire coal transportation roads it is very vital to make an effective arrangement for up-keeping of the road surface on regular cleaning and removal of the foreign materials and to restrict the spillage of coal and minimize sprinkling of water.

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Therefore for effective up-keeping and maintenance it is proposed to implement the following system :-

- (a) To restrict the over loading of the coal carrying tippers, so as to avoid spillage of coal during its transportation .
- (b) To operate the annual contract for cleaning of road surface on daily basis and to remove the spillage coal and other foreign materials from the road sides on daily / weekly basis for proper up-keeping of roads.
- (c) Minimum water sprinkling on road surface . If the actions at (a) & (b) are taken judiciously then water sprinkling can be minimized and may not be required at all. Use of grader will also be avoided .
- (d) The above annual up-keeping contract should be operated under the control of Area/project civil deptt.
- (e) There should be one coat of 75mm/50mm thick BM and one coat of 20mm MSS over the road surface preferably in every alternate year to avoid any major damage of road and proper maintenance of the road.
- (f) No earth / sludge heaps be allowed to be accumulated by side of road.
- (g) Regular cleaning of existing road side drains to be ensured for proper drainage of water.
- (h) Separate dozer path be ensured to avoid cutting of edges of bituminous surface of road.

All the above actions are under the preview of respective Area CGMs/G.Ms. Hence above suggestions are required to be examined by CGMs/GMs of the Area for their opinion /further suggestions / modification so that a guideline is approved by competent authority for strict implementation .

All CGMs/GMs are requested to send their opinion / suggestions by two weeks time.

  
13/2/04  
General Manager(Civil)

All CGM's / GM's of Area:

C.C to D(T), MCL : for kind information

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