

No. NHIII/P/1/76

*Dated the 21st April, 1977*

To

All Chief Engineers/Additional Chief Engineers of State Public Works Departments and Union Territories dealing with National Highways and Centrally Financed road works

Subject : Supply of hume pipes for C.D. works

It has come to the Ministry's notice that edges of hume pipes get damaged while handling and rehandling of the pipes for use on C.D. works. In certain cases, it has also been observed that the pipes get damaged due to improper handling and rehandling in the factory or during transit from factory to work site.

2. It is, therefore, felt necessary that particular attention is paid by the State Public Works Department officers to ensure that there are proper arrangements for handling and rehandling of the pipes to avoid the damages as indicated above. Further, it is also considered necessary that the State Public Works Department officers carefully examine the pipes in the factory before despatch and ensure that proper arrangements are made for safer carriage of pipes to the site. It is also desirable that during concrete pipe line production runs in factory against any State Public Works Department's specific orders for supply inspections are carried out by the Site Engineers to see that adequate and satisfactory quality control measures have been adopted by the manufacturer. It should also be carefully seen that broken and damaged pipes are not accepted and used on the works.

3. In manual unloading of pipes from trucks, pipes should be rolled down a pair of skids hooked on to the trucks, and the movement controlled with a rope passing round the pipes, back to a rail or station, etc. When loading heavier pipes by mobile cranes, pipes may be lifted with suitable wire rope slings. Hooks should not be used in the ends of the pipes as this procedure may damage the joint surfaces. Pipes may be placed as near to the edge of the trench as safety permits. The method of lowering pipes into the trench will depend on their weight. Small pipes may be lowered by ropes, medium pipes by chain blocks etc., and large pipes by mobile cranes. If no mobile laying equipment is available, heavy pipes may be lowered in the trench by means of a chain block or winch mounted on shear legs.

4. It is requested that these instructions may please be given wide publicity among the concerned officers in your Department.