



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT
ARIYALUR
CIVIL DEPARTMENT MANUAL**



Issue No. 02	Rev. No: 00	Effective Date: 01.11.2019	WI/CIVIL/005
Issued By: M.R		Approved By: HOD – CIVIL	
WORKING INSTRUCTION FOR BLACK TOPPING OF ROADS			

PURPOSE: Documented instructions for safe working of black topping of roads

SCOPE: Safe working for black topping of roads in side Plant premises

RESPONSIBILITY: HOD (Civil) shall be responsible for approving the instructions and the section-In charge/area in charge shall be responsible for establishment and implementation of work-instructions

PROCESS: As follows,

1. Availability of detailed specifications to do the job
2. Work permit for the job has been taken from respective section in charge and Barricading the road after informing Area-in-Charge & Security to Divert the Traffic
3. Clearance has been obtained from Electrical Department for underground Cables and the same has been de-energized.
4. Necessary protocol is available and clearance for starting the work has been Obtained
5. All labours are wearing the required safety PPE like helmet & shoes, dust Masks and Gloves
6. Ensure the availability of Hot Mixing Plant and aggregates and sand near the site
7. Identify a safe place for keeping the Heat Master to melt the bitumen.
8. Ensure availability of skilled man power at site
9. Ensure that the temperature of bitumen is proper before it is unloaded from
10. The Heat Master. Also the aggregate and sand should be heated before adding
11. Bitumen in to HMP.
12. The HMP as well as the Heat Master shall be heated with Kerosene or LPG
13. The mix obtained from the HMP should have a uniform colour and
14. the aggregates should be properly covered with bitumen
15. Proper care has to be taken while unloading hot asphalt concrete in to the
16. Trolleys and the trolleys shall be properly oiled before unloading
17. The temperature of the bitumen and the asphalt concrete shall not be lesser
18. Than 140 degrees
19. Ensure that the dust and smoke does not arise profusely
20. The asphalt concrete shall be laid in specified thickness and camber. Rolling
21. Shall be individually done on spread asphalt concrete and ensure minimum 10 passings to be made at each layer