



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



Issue No. 01	Rev. No: 00	Effective Date: 01.11.2010	WI-20(PI-14; AM-7)
Issued By: M.R		Approved By: HOD -SAFETY	
WORK INSTRUICTION FOR SAFETY PRECAUTIONS AT KILN			

1.0 WORKING WITH THE ROTARY KILN AND ITS AUXILIARIES:

1.1 DON'Ts

- 1.1.1 Do not open manhole covers of the hoppers/cyclones unless you ensure that they are Completely empty. The fine material could be very hot and they could cause burn injuries.**
- 1.1.1 Do not open the pre heater cyclone doors when the Kiln is running.**
- 1.1.2 Do not stand near the cyclone inspection hole. If it is open, when the pre heater fan is running on high speed, the suction in the cyclone could draw you in.**
- 1.1.3 Do not attempt to remove the cyclone jam till you ensure that nobody is on Burner's platform and near to the clinker breaker.**
- 1.1.4 Do not allow unauthorized persons on Kiln platform during the kiln light up. There could be sudden back fire which can cause serious burn injuries.**
- 1.1.5 Do not attempt to clean the supporting rollers of Kiln with the kiln in operation and wearing loose clothing.**
- 1.1.6 Do not come anywhere in or near the coal mill and accessories. Coal hoppers, coal silos, bag filters, kiln hood etc. The inflammable gases like CO may cause an explosion hazard.**
- 1.1.7 Do not enter the Kiln unless you ensure that no one will start the kiln drive. Take line clearance.**
- 1.1.8 Do not enter the kiln until you ensure adequate draught is maintained through out. This is very much essential in case of common chimney.**
- 1.1.9 Do not enter without proper protection to your head.**
- 1.1.10 Do not use a hand-lamp other than 24V.**
- 1.1.11 Do not allow unauthorized persons inside the kiln.**



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1.1.12 Do not start the kiln rotation until you ensure that no one is inside the kiln or on the top of the kiln.

1.1.13 Do not Blast the set clinker in cyclones with detonators, Major accidents have caused due to blasting in cyclone.

1.1 DOs

1.1.1 Before lighting the kiln ensure that no one is working inside the raw mill as the smoke may enter inside the mill resulting in severe injuries.

1.1.2 Before entering the coal silos, kiln, raw mill and cyclones and hoppers, check for the toxic and poisonous & flammable gases.

1.1.3 Before removing the jam ensure that you are wearing adequate personal protection equipments.

1.1.4 Ensure that unauthorized persons are cleared off from the cyclone floors.

1.1.5 Ensure that during the removal of cyclone jams one of the fans in pre heater and exhaust should be kept running to provide adequate draught.

1.1.6 Ensure that while cleaning revolving part of the kiln such as Rollers etc., you are wearing tight fitting clothing, also do not wear full sleeve shirts.

1.1.7 Ensure that kiln drive and PH Fan drives are locked and have the keys with you before entering the Kiln.

1.1.8 Always use a proper tool for repairs of rollers and such other parts of kilns.