



DALMIA CEMENT (B) LIMITED – DALMIAPURAM



PRODUCTION DEPARTMENT

Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	SOP/PROD/03
Issued By: S & P		Approved By: Head – Production	
SOP FOR Raw Material preparation & Stacking			

SCOPE : Raw Material preparation & Stacking

RESPONSIBILITY : CCR executive.

Accountability : Section Head – Pyro.

PPE:

1. Safety goggles,
2. Safety helmet,
3. Safety shoe,
4. Mask,
5. Cotton Gloves.
6. Safety harness(Full body)

TOOLS:

1. Poking bar,
2. Hammer.
3. Showel

Hazard:

Risks associated:

Mitigating Measures

Fall from height,

Use of safety harness

Fall of tools;

Carry the tools in tool bags

Hit of Hammer in hand;

Trained to be engaged

Procedure:

- 5.1 Get the clearance from Maintenance for starting crushing in Crusher.
- 5.2 Ensure the receipt of Limestone through Hopper or Transportation and availability for size reduction.
- 5.3 Instruction will be given to Stacker Operator to start the Stacker.



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- 5.4 Total Crusher plant with auxiliaries will be started as per W/I to Crusher driver and M/As at BC-1, BC-1A, inclined belt, BC-8 & BC-9 for crushing Limestone in CR-III.
- 5.5 Crusher driver will regulate unloading of Limestone from tippers or trailers.
- 5.6 Crusher driver will operate the plant by
- i) Regulating the feed to CR by monitoring CR drive load.
 - ii) Monitoring and ensuring effective operation of the heating system and dedusting system.
 - iii) Regulating & unloading of Limestone trailers and tippers.
 - iv) Checking and ensuring the optimum output size.
 - v) Co-ordinating with M/As for starting and stopping of drives in various location in the section.
 - vi) Checking and ensuring that W/I to M/As are carried out without fail and corrective measures done if deviation observed.
- 5.7 Crushed Limestone will be diverted to either stacker yard or crane storage yard or VRM-II hopper.
- 5.8 Diversion will be confirmed to CR driver by Section Head / CCR.
- 5.9 Crushed Limestone will be stacked in stockpiles in stack yard as per W/I to stacker M/A.
- 5.10 Limestone diverted to crane storage yard will be handled by the crane and stored on stockpiles, as per W/I to Crane Driver.
- 5.11 If the output size is more than nominal adjustment of crusher internals will be carried out on request as per W/I to Crusher Driver.
- 5.12 Replacing or reversing of hammers or blow bars will be carried out by maintenance on request of Production Dept. by considering the mill load, tendency for coating development and actual wear pattern.
- 5.13 Crusher will be stopped due to
- a) Jam due to coating



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- b) Jam due to big boulders
- c) Adjusting interval to maintain output size.
- d) Maintenance in CR or its aux. As per W/I.
- e) Want of Limestone
- f) Power interruption
- g) Metal detection etc.

- 5.14 Crusher drive or CR plant will be restarted as per W/I.
- 5.15 Important operating parameters of CR plant will be recorded in Log sheet by Crusher Driver.
- 5.16 CR stop and start time will be recorded in Log sheet with probable reasons.
- 5.17 Any fault in any equipments will be recorded by Crusher Driver in the register for corrective action.
- 5.18 Stacker M/A will record the important parameters and reading in Stacker-reclaimer Log sheets.

Emergency Shut- off:

1. In case of belt is moving, Emergency pull chord switch should be activated by the person.
2. If body injury is there, First aid will be given and inform to the Safety department or Call Emergency number 233/555/9865125176/9865177444.

Records/Annexure:

1. Refer Line clearance certificates.
2. JSA as enclosed below.



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Job Safety Analysis	Job: Belt Discharge chute cleaning	Date: 01 – 06 - 2013	Analysis by: Section Incharge	Reviewed by: Section Head
Title of employee doing job:	Supervisor: Sec.Incharge	Department: Raw mill section	Section: All belt conveyers	Approved by: Department Head
Req'd/recommended PPE:				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Cleaning of the Coating at belt discharge chute	pipe hit to the person	Hold the Pipe properly, if there any possible tie it one end.	Pipe may hit the person while cleaning the chute.	Hazards to be explain to the people who are working in that area by safety PP talk, tool box talk.
Inspecting the chute	Fall of the person	While inspecting the chute use safety belt and make proper approach to view the chute.	Person may fall on to the chute due to slip.	Use Proper safety belt to inspect the chute.

HOD PRODUCTION

HOD TECHNICAL