



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL SOP

Issue No. 01	Rev. No: 02	Effective Date: 17.10.2017	SOP/MEC/049
Issued By: M.R		Approved By: HOD Mechanical	
BELT CONVEYOR DISCHARGE CHUTE CHECKING			

Scope: Belt conveyor discharge chute checking

Responsibility: Shift Fitter

Accountability: Mechanical-Section Engineer / Shift Engineer

PPE:

1. Safety helmet.
2. Safety shoe.
3. Nose Mask.
4. Hand Gloves.
5. Safety Goggles.

TOOLS:

1. Ring spanner Set
2. Tool Bag
3. Shovel (MANVETTY)
4. Torch light / Hand Lamp.

Hazard Analysis:

Risks associated

Body injury
Cut injury

Mitigating Measures

Safe and health tools and tackles
Safe and health tools and tackles

SOP for the Belt conveyor discharge chute checking

- 1) Stop the belt conveyor & take the Line clearance of the drive.
- 2) Use PPE'S while working.
- 3) Remove the Belt discharge inspection door.
- 4) Remove the jam inside the chute and close the inspection door.
- 5) Clear the Line clearance and take trial.



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL SOP

Issue No. 01	Rev. No: 02	Effective Date: 17.10.2017	SOP/MEC/049
Issued By: M.R		Approved By: HOD Mechanical	
BELT CONVEYOR DISCHARGE CHUTE CHECKING			

Emergency / Emergency Shut OFF:

1. If body injury is there, First aid will be given and inform to the Safety department or Call Emergency number 3108/9865152222

Records/Annexure:

1. Refer Line clearance in Process department.
2. JSA is enclosed below.

SL No	Activity			Tag / Name of the Equipment							
				Isolation Type							
				Electrical Energy				Other Energy			
1.	All Reclaimer discharge chute	Name and Tag for the Equipment		Reclaimer scraper Drive	Reclaimer discharge Belt conveyor.	Reclaimer Travel Drive					
1.	All Belt conveyor discharge chute	Name and Tag for the Equipment		Feeding belt conveyor							



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL SOP

Issue No. 01	Rev. No: 02	Effective Date: 17.10.2017	SOP/MEC/049
Issued By: M.R		Approved By: HOD Mechanical	
BELT CONVEYOR DISCHARGE CHUTE CHECKING			

Job Safety Analysis	Job: Belt conveyor discharge chute checking	Date: 01 – 09 - 2014	Analysis by: Section Engineer	Reviewed by: Section Head
Title of employee doing job: Shift fitter	Supervisor: Shift Engineer / Section Engineer	Department: Operation / Mechanical	Section: Applicable for All Chutes	Approved by: HOD Mechanical

Req'd/recommended PPE: Safety helmet, Safety shoe, Safety goggles & Cotton hand Gloves.

Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Open the inspection doors.	Material may flush from inspection door.	Don't stay in front of the door during opening	Door may open suddenly / forcedly.	Keep some bolts at loosen condition to hold the door until the material flush.
	Hand injury	Use proper spanners only to avoid slip / shear of bolt and nut during tightening	Spanners may slip and chance to fall bolt may shear / cut during load	Use correct size and condition of spanner
Clearing chute jam	Hand injury	Use hand gloves	Poking pipe may slip while clearing the jam.	Use proper size pipe.
Close the inspection doors.	Hand injury	Use proper spanners only to avoid slip / shear of bolt and nut during tightening	Spanners may slip and chance to fall bolt may shear / cut during load	Use correct size and condition of spanner