



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL

Issue No. 02	Rev. No: 00	Effective Date: 01.11.2019	SOP/MEC/178
Issued By: M.R		Approved By: HOD-Mechanical	
SOP: CIRCULAR RECLAIMER RACK CAR CHAIN CHANGING WORK			

Scope: CIRCULAR RECLAIMER RACK CAR CHAIN CHANGING WORK

Responsibility: Section Engineer

Accountability: Mechanical-Section In charge

PPE:

1. Safety helmet.
2. Safety shoe.
3. Hand gloves.
4. Nose Mask.
5. Safety goggles.

TOOLS:

1. Box spanner set.
2. Ring spanner set.
3. Hammer.

Hazard Analysis:

Risks associated: : **Mitigating Measures**

Body injury : **Safe and health tools and tackles**

Cut injury : **Safe and health tools and tackles**



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SOP FOR CIRCULAR RECLAIMER RACK CAR CHAIN CHANGING WORK

1. Take the line clearance with LOTO system
2. The Work permit and line clearance paper should be with the person who is working in the site.
3. Ensure cleanliness of the equipment before taking the job
4. Use proper personal protective equipment's
5. Ensure proper tools and tackles
6. Check the condition of rack car chain and Visual inspection for general physical condition for wear and tear.
7. The check the chain tension and release the chain tension
8. The chain master pin removal work
9. The old chain shifting work from current location to another location.
10. The new chain shifting work and fix in chain sprocket and master pin locking work
11. The chain tensioning work
12. Clear the work permit and Line clearance and take trial.



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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 CIRCULAR RECLAIMER RACK CAR CHAIN CHANGING WORK
2. JSA is enclosed below.

Emergency / Emergency Shut OFF:

SL No	Activity			Isolation Matrix for Utility & General Equipment.							
				Isolation Type							
				Electrical Energy				Other Energy			
1	Circular reclaimer	Name and Tag for the Equipment	Drive for the Equipment								



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Job Safety Analysis	Job:	Date: 15.03.2016	Analysis by: Section Engineer	Reviewed by : Section Head
Title of employee doing job: Engineer	Supervisor: Section Incharge	Department: Mechanical.	Section: RMH	Approved by: HOD Mech.
Req'd/recommended PPE:				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Removal of locking pin while Changing the Rack car chain	Body injury	Use proper tools only to avoid slip	Tools may slip and chance to fall	Use correct size and condition of tools.
Removing the old Rack car chain	Eye irritation	Use goggles to avoid the dust entry	Due to lime stone material, chance of more fine dust particles	Use Correct PPE'S
Fixing the locking pin while Changing the Rack car chain	Body injury	Use proper tools only to avoid slip	Tools may slip and chance to fall	Use correct size and condition of tools