



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL

Issue No. 02	Rev. No: 00	Effective Date: 01.11.2019	SOP/MEC/173
Issued By: M.R		Approved By: HOD-Mechanical	
SOP-Circular rack car travel wheel changing work			

Scope : SOP for Circular rack car travel wheel changing

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

SOP FOR CIRCULAR RACK CAR TRAVEL WHEEL CHANGING WORK

1. Take the line clearance with LOTO system



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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 travel wheel and Visual inspection for general physical condition for wear and tear.
7. Lift the Rack car structure by using 50 MT. Jack
8. The remove the travel wheel, then shifting the wheel by using temporary platform arrangement.
9. New travel wheel shifting by using temporary platform arrangement and fixed its existing location.
10. Release the load from Hydraulic Jack.
11. Check the condition of bolt, nut tightness
12. Clear the Line clearance and take trial.

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 rack car travel wheel changing work
2. JSA is enclosed below.



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Emergency / Emergency Shut OFF:

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

Job Safety Analysis	Job:	Date: 15.03.2016	Analysis by: Section Engineer	Reviewed by : Section Head
Title of employee doing job: Engineer	Supervisor: Section In charge	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 bolt while Changing the Travel wheel	Body injury	Use proper spanners only to avoid slip	Spanners may slip and chance to fall	Use correct size and condition of spanner
Removing the old Travel wheel	Body injury	Use hand gloves & shoes to avoid the injuries	Material may slip and chance to fall	Use Correct PPE'S
Fixing the locking bolt while Changing the Travel wheel	Body injury	Use proper spanners only to avoid slip	Spanners may slip and chance to fall	Use correct size and condition of spanner