



DALMIA CEMENT (B) LIMITED – ARIYALUR

MECHANICAL SOP

Issue No. 02	Rev. No: 00	Effective Date: 18.11.2022	SOP/MEC/210
Issued By: M.R		Approved By: HOD Mechanical	
SOP FOR AFR EXTRACTOR MAINTENANCE			

Scope: AFR Extractor maintenance

Responsibility: Fitter/ Welder/ Supervisor

Accountability: Mechanical-Section Engineer / Section Head

PPE:

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

TOOLS:

1. Welding shield
2. Welding machine
3. Chipping hammer
4. Wire Brush

Hazard Analysis:

Risks associated:

Mitigating Measures

Slip of tools : Use appropriate tools

Electric shock : Use appropriate gloves & machine Earth system

SOP FOR AFR EXTRACTOR MAINTENANCE

1. Take hot work permit with all necessary precautions.
2. Use PPE's while working.
3. Remove the all the guards and cleaned the surrounding area.



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4. Remove the Load cell connection and take the local isolation with mushroom lock & tag.
5. Check the pallet and chain connecting bolt, welding cracks in clits area and chain connecting links .
6. Run the system with local mode positioned the maintenance chain link area and do the mushroom lock on the panel at site.
7. Change the bolts/ welding the cracked chain clits/ replace the connecting links.
8. Remove the welding cables and remove the local isolation and run the system check the system and change the next position .
9. Same procedure has to implement up to correct/ check the all the chain links.
10. Re fix the all the doors & guards as early.
11. Close the hot work permit.
12. Take the trial run checking and give the clearance

Emergency / Emergency Shut OFF:

1. If any injury takes place, provide First aid and inform to the Safety department or Call Emergency number 3108/9865152222

Records/Annexure:

1. JSA as enclosed below



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Job Safety Analysis	Job: AFR Extractor maintenance	Date: 02/07/2022	Analysis by: Section Engineer	Reviewed by: Section Head
Title of employee doing job: AFR Extractor maintenance job	Supervisor: Section Engineer	Department: Mechanical	Section: AFR	Approved by: HOD Mechanical
Req'd/recommended PPE:				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Replacing of bolts/links	Body injury	Use appropriate tools	While lifting the belts tackles may fall .	Use Correct type of tools and certified tackles.
Using the Welding machine	Hand injury (electric Shock)	Use proper Earth connection	While Welding the job ,secondary earth not connected properly	Check the earth connection before doing the welding