



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL

Issue No. 02	Rev. No: 00	Effective Date: 01.11.2019	SOP/MEC/176
Issued By: M.R		Approved By: HOD-Mechanical	
SOP-COAL & ADDITIVE RECLAIMER TAIL SPROCKET CHANGING WORK			

Scope: COAL & ADDITIVE RECLAIMER TAIL SPROCKET 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**



MECHANICAL

Issue No. 02	Rev. No: 00	Effective Date: 01.11.2019	SOP/MEC/176
Issued By: M.R		Approved By: HOD-Mechanical	
SOP-COAL & ADDITIVE RECLAIMER TAIL SPROCKET CHANGING WORK			

SOP FOR COAL & ADDITIVE RECLAIMER TAIL SPROCKET 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 Tail sprocket and Visual inspection for general physical condition for wear and tear.
7. Check the chain tension and release the chain tension.
8. Chain pin and two bucket removal
9. Tail sprocket removal work by using hydra
10. New tail sprocket fixing work by using hydra
11. Chain pin and two bucket fixing work
12. The chain tensioning work
13. Clear the work permit and Line clearance and take trial.



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL

Issue No. 02	Rev. No: 00	Effective Date: 01.11.2019	SOP/MEC/176
Issued By: M.R		Approved By: HOD-Mechanical	
SOP-COAL & ADDITIVE RECLAIMER TAIL SPROCKET CHANGING WORK			

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 COAL & ADDITIVE RECLAIMER TAIL SPROCKET 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	Coal & Additive reclaimer	Name and Tag for the Equipment	Drive for the Equipment								



DALMIA CEMENT (B) LIMITED – ARIYALUR



MECHANICAL

Issue No. 02	Rev. No: 00	Effective Date: 01.11.2019	SOP/MEC/176
Issued By: M.R		Approved By: HOD-Mechanical	
SOP-COAL & ADDITIVE RECLAIMER TAIL SPROCKET CHANGING WORK			

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
Release of chain tension while Changing the Tail sprocket	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 tail sprocket	Eye irritation	Use goggles to avoid the dust entry	Due to coal & additive handling, chance of more fine dust particles	Use Correct PPE'S
The chain tension given while Changing the Tail sprocket	Body injury	Use proper spanners only to avoid slip	Spanners may slip and chance to fall	Use correct size and condition of spanner