Dalmia

IENT (B) LIMITED – CEMENT PLANT ARIYALUR



MECHANICAL DEPARTMENT

Issue No. 01 Rev. No: 02 Effective Date: 17.10.2017 SOP/MECH/032

Issued By: M.R Approved By: HOD (Mech)

SOP-JSA FOR ADDITIVE / COAL RECLAIMER STARTUP

Scope : This JSA is applicable to Safe working for additive

reclaimer startup

Responsibility: Section Engineer- Mech.

Section Head - Mech.

PPE:

1. Helmet.

2. Safety shoe.

3. Safety Goggles.

4. Hand Gloves.

Tools:

1. Hammer & chisel.

2. Poking Pipe.

3. Spanner set

Hazards:

Risks associated

Mitigating Measures

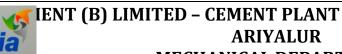
Hand and Leg injury safe and tested tools and tackles

Training needs:

- 1. Emergency preparedness.
- 2. On job training

Procedure:

- 1. Use Proper PPE & tools.
- 2. Initially all Belt Conveyors regarding with the Reclaimer (K21 BC1, K21 BC2, K21 BC3, 321 BC3, 321 BC4, 321 BC5) Chute Jam to be Checked.



Dalmia

ARIYALUR MECHANICAL DEPARTMENT



Effective Date: 17.10.2017 SOP/MECH/032 **Rev. No: 02** Issue No. 01

Issued By: M.R Approved By: HOD (Mech)

SOP-JSA FOR ADDITIVE / COAL RECLAIMER STARTUP

- 3. If there is any Jam in Chute it should be cleared with proper tools before starting belt.
- 4. Ensure no Big Lumps in the Yard.
- 5. Checking of rope, buckets, chain, links, pins, G clips, bolts & lubrication oil in tank.
- 6. Checking the track for any material.
- 7. Ensure proper tension of the Reclaimer.
- 8. Check the reclaimer in slow and fast condition.
- 9. Clearing of interlocking of scraper.
- Belt conveyor to be started by ccr. 10.
- 11. Scraper to be downed on material about 100mm on the material & feeding to be given in slow travel only

Emergency / Emergency Shut OFF:

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

Records/Annexure:

- 1. Refer Line clearance/permit in mechanical department.
- 2. JSA is enclosed below.



IENT (B) LIMITED - CEMENT PLANT ARIVALUS BHARAT CEMENT **MECHANICAL DEPARTMENT**



Issue No. 01 **Rev. No: 02 Effective Date: 17.10.2017** SOP/MECH/032

Issued By: M.R Approved By: HOD (Mech)

SOP-JSA FOR ADDITIVE / COAL RECLAIMER STARTUP

Isolation Matrix Not applicable:

JOB SAFETY ANALYSIS : (JSA)

Job Safety Analysis	Job: Additive	Date: 01 – 09 - 2014	Analysis by:	Reviewed by:		
	reclaimer startup		Section	Section Head.		
			Engineer			
Title of employee doing job: Section engineer	Supervisor: Section Head, Out Sourcing Supply Supervisor	Department: Mech	Section: RMH	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
Clearing chute jam	Hand injury	Use hand gloves.	Poking pipe may slip while clearing the jam. Material may collapse	 Use proper size pipe. Ensure belt should not run.
Checking of rope, buckets, chain, links, pins, G clips, bolts & lubrication oil in tank.	Eye, Leg and hand injury.	Use proper Goggles, Gloves and safety belt.	Safety belt may damage.	Check the condition of safety belt.
Checking the track for any material	Leg and Hand Injury.	Use proper tools and tackles (Hammer, Spanner set, Showel) with MTC.	Equipment may travel while cleaning.	Ensure line clearance should not clear up to the completion of cleaning.
Checking of chain tension	Leg and Hand Injury.	Use proper tools and tackles (spanner set, Hammer) with MTC.	1. Spanner may slip. 2. Tools may break.	 Ensure proper fixing of spanner. Proper tools to be used before the operation.