



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.**

**Accountability** : **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**

Hand and Leg injury

**Mitigating Measures**

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.



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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.
10. Belt conveyor to be started by ccr.
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.



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Isolation Matrix Not applicable:

**JOB SAFETY ANALYSIS :( JSA)**

<b>Job Safety Analysis</b>	Job: Additive reclaimer startup	Date: 01 – 09 - 2014	Analysis by: Section Engineer	Reviewed by: Section Head.
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.				
<b>Sequence of Basic Job Steps</b>	<b>Potential Hazards</b>	<b>Recommended Safe Job Procedure</b>	<b>What Could Go Wrong</b>	<b>Corrective Action</b>
Clearing chute jam	Hand injury	Use hand gloves.	1. Poking pipe may slip while clearing the jam. 2. Material may collapse	1. Use proper size pipe. 2. 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.	1. Use proper tools and tackles (spanner set, Hammer) with MTC.	1. Spanner may slip. 2. Tools may break.	1. Ensure proper fixing of spanner. 2. Proper tools to be used before the operation.