



DALMIA CEMENT (B) LIMITED – CEMENT PLANT
DPM
MECHANICAL DEPARTMENT



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	SOP/MECH/34
Issued By: S & P		Approved By: Head- Mech	
SOP-JSA FOR COAL RECLAIMER STARTUP			

Scope : This SOP is applicable to Safe working for coal Reclaimer Startup

Responsibility : Section Engineer- Mech.

Accountability : Section Head – Mech.

PPE:

1. Helmet.
2. Safety shoe.
3. Safety Goggles.
4. Hand Gloves.

Tools:

5. Hammer & chisel.
6. Poking Pipe.
7. 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 & Proper tools



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- 2) First check the Reclaimer, L21BC1, L21BC2, L21 BC6&L21BC4 discharge chute for any jamming. If there is any Jam in Chute it should be cleared with proper tools before starting belt.
- 3) Check the condition of the L21 BC 1 belt ,whether any material accumulated at the bottom of the conveyor
- 4) Checking of yard for any big lumps/bags.
- 5) Checking of rope, buckets, chain, links, pins, G clips, bolts & lubrication oil in tank.
- 6) Check the rail track free from foreign material.
- 7) Check the permanent magnet and clear the iron pieces which placed in magnet.
- 8) Give clearance to CCR to start the circuit.
- 9) Ensure the dust suppression system is in on condition.
- 10) Scraper to be lowered on material nearby 100mm to the material & feeding to be started in slow travel only.
- 11) Ensure the Conveyor material should be emptied before stop the Reclaimer, to enhance Equipment Safety & Material mixing.

Emergency Shut- off:

1. In case of belt is moving, Emergency pull chord switch should be activated by the person.
2. If body injury is there, First aid will be given and inform to the Safety department or Call Emergency number 233/555/9865125176/9865177444.

Records/Annexure:

1. JSA enclosed.



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Isolation Matrix Not applicable

JOB SAFETY ANALYSIS :(JSA)

Job Safety Analysis	Job: Coal Reclaimer startup	Date: 01/01/2013	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: GM. Mech.
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.	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.

HEAD MECHANICAL

HEAD TECHNICAL