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Step No.	Activity (WHAT)	Associated Requirements/Hazards/Impacts	Responsibility (WHO)	Process / tools / PPEs (HOW)	Remarks / Reference
1	Before starting of the Job.	<ul> <li>SAFETY:</li> <li>Unawareness about the hazard prevailing in that area.</li> <li>Injury due to starting other equipment.</li> <li>Injury due to starting of equipment, which is not in healthy condition.</li> <li>Injury due to unawareness about the job</li> <li>Unawareness about the safety standard</li> <li>Injury due to non-use of PPEs.</li> </ul>	Contractor supervisor/ Foreman/Shift Sr.Incharge	<ul> <li>Brief about the hazards before starting of the job.</li> <li>Maintain an equipment allocation register.</li> <li>Operator must carry starting key along with him.</li> <li>Maintain a equipment status register</li> <li>Check the equipment as per checklist and operate only when it is in healthy condition.</li> <li>Only trained person should be deployed in the job.</li> <li>Check whether that person is trained or not by seeing training record.</li> <li>Must know the role of others in that area.</li> <li>Training of Road Transportation safety standard.</li> <li>Use PPEs.</li> </ul>	Awareness of following safety standard is required: - Road: SS/GEN-12 Rail: SS/GEN-24 Loose Clothing: SS/GEN-2 EYE: SS/GEN-7 TRAD: SS/GEN-7 Transportation: SS/GEN-29. At all loading and unloading point supervisor must be present.

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Step No.	Activity (WHAT)	Associated Requirements/Hazards/Impacts	Responsibility (WHO)	Process / tools / PPEs (HOW)	Remarks / Reference
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		ENVIRONMENT:			
		QUALITY:			
2	Take requirement from the concerned department or RMM.	SAFETY : Nil	Contractor's Supervisor		In case of schedule removal no need of taking requirement
		ENVIRONMENT: Nil			

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		QUALITY: About the quantity and time.		By mobile or in person and note down with requestor name and time.	

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3	Loading of LD sludge directly into the Dumpers from LD#3	<ul> <li>Injury to driver during loading.</li> <li>Hit by other dumper.</li> <li>Collision between other dumpers.</li> <li>Slip and fall</li> <li>Toppling of dumper due to loading on the rear side.</li> </ul>	Contractor supervisor / Driver / Operator/Helper	<ul> <li>Dumper driver should not come down from his cabin during loading.</li> <li>Dumper driver should be Alertness in cabin inside during loading.</li> <li>Be away from the moving dumper.</li> <li>Use reversing buzzer during reversing.</li> <li>Use Reversing camera in dumpers</li> <li>Use three-piece mirror.</li> <li>Dumper and loading equipment follow different route.</li> <li>Loading only on rear axle will not be done</li> <li>Use gumboot.</li> <li>During loading &amp; unloading activity there should not be any person stand around 4 meters premises.</li> </ul>	

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Step No.	Activity (WHAT)	Associated Requirements/Hazards/Impacts	Responsibility (WHO)	Process / tools / PPEs (HOW)	Remarks / Reference
		ENVIRONMENT: Spillage	Contractor supervisor / Driver / Operator	<ul> <li>Over loading above the height of the side panel is not allowed.</li> <li>Any gap in between the side and rear panel is properly sealed.</li> <li>Door of the dala is properly locked.</li> <li>Do not over load the dumper and shut the gate completely</li> <li>Load only on donga fitted dumper.</li> </ul>	
		QUALITY: Loading of wrong material.	Contractor supervisor	Take instruction from concerned person.	

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Step No.	Activity (WHAT)	Associated Requirements/Hazards/Impacts	Responsibility (WHO)	Process / tools / PPEs (HOW)	Remarks / Reference
4	Transporting	<ul> <li>SAFETY:</li> <li>Collision with others on the road.</li> <li>Collision with wagon /Loco and Drop gate.</li> <li>Hit during reversing</li> <li>Spillage from vehicle</li> <li>Entangling or fouling of dala against the structure.</li> </ul>	Contractor supervisor / Driver / Operator	<ul> <li>Check vehicle as per checklist.</li> <li>Follow Transportation Safety standards.</li> <li>Follow Road Safety standards.</li> <li>Follow defensive driving</li> <li>Follow transportation Safety Standards.</li> <li>Helper less driving.</li> <li>Stop, look and Go at any level crossing.</li> <li>Follow Rail Safety Standard.</li> <li>During reverse, must ensure that reverse buzzer is ON.</li> <li>Use three-piece mirror.</li> <li>Ensure Dala is in proper condition.</li> <li>Ensure dala door is properly clamped /locked.</li> <li>Do not move vehicle in raised Dala or boom condition.</li> <li>Ensure hoisting device interlock system is not bypassed.</li> </ul>	

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Step No.	Activity (WHAT)	Associated Requirements/Hazards/Impacts	Responsibility (WHO)	Process / tools / PPEs (HOW)	Remarks / Reference
		ENVIRONMENT: • Pollution due to smoke emission. Sound pollution	Contractor supervisor	Regular check up of vehicle as per norms	
		QUALITY:			

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5.	Unloading at LD sludge processing yard.	<ul> <li>Collision with other moving equipment at processing yard.</li> <li>Hit by dumper during placement of dumper at unloading point</li> <li>Damage to dumper.</li> <li>Hand injury during operation of dala door hook.</li> <li>Toppling of dumper during hoisting.</li> <li>Toppling of dumper during placement for unloading.</li> </ul>	Driver /supervisor	<ul> <li>Do not stand on the backside of dumper.</li> <li>Maintain safe distance from the dumper.</li> <li>Place dumper at the marked place</li> <li>Have proper communication with helper.</li> <li>During reversing use reverse</li> </ul>	RMH/SOP/GE N/01 USE of PPE is must when driver and operator is outside of the cabin

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		ENVIRONMENT: Dust pollution	Driver /supervisor/Help er	• Use dust mask.	
		QUALITY: mix up with other material.		Know from the processing yard supervisor about the unloading point	
	Inform shift incharge about trip	SAFETY:	Contractor Supervisor		
	and tonnage.	ENVIRONMENT:			
	And submit challan	QUALITY: Challan should be duly signed		Challan form no.150/3520	
		and filled up.			
	foreman next day.	_			

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