

DIFD INDUSTRIES PVT LTD
CTF-KANNIVADI

RISK ASSESSMENT

Activity /Operation : Batching Plant Operations

Hazard/Activity	Hazard Effect	Risk Rating Score			CONTROL MEASURES	Risk Level after co	
		Likely Hood	Severity	Risk Rate		Likely Hood	Severity
Cement/Msand filling in silo.	Serious Injury to person/ Property damage	3	4	12	<ol style="list-style-type: none"> 1.Allow Competetent Persons only do the work. 2.Monitor the pressure at the compresor. 3.Regular maintanance for compresor. 4.Pre check for Joints, Couplings, Washers etc. 5.Maintain Proper maintanance for the bulkers. 6.Provide Warning systems. 7.Provide pressure relief valve. 8. Provide proper PPE as hand gloves, safety shoes & hard hat to the workers engaged. 	1	4
Exposure to rotating or moving parts.	Entanglement and Entrapment	3	4	12	<ol style="list-style-type: none"> 1. All necessary guards and safety devices are in place protecting workers from all moving parts including the belts or pulleys. 2. Inspect the working area before the work. 3.“Safe Working Zones” are clearly defined in areas where the concrete mixer is to be used. 4. Engage competent person to operate the mixer. 5.workers are required to remove all jewellery, tuck in loose clothing and tie back long hair. 6.Provide adequate PPE's. 	1	4
Slip Trip Falls	major Injury to	4	5	20	<ol style="list-style-type: none"> 1.Maintain the proper and even surface at the working area. 2. Power leads and extension cables are used only with caution in and around plant areas. 3.Provide proper lightnings at the plant premises. 	1	5

Slip, Trip, Falls .	person.	4	5	20	<p>4.Stop Contamination getting on to to the floor.</p> <p>5.Avoid wet floor and maintain a dry floor.</p> <p>6.Provide proper Handrails.</p> <p>7.Maintain a propper house keeping at the plant premises.</p>	1	5
Handling of Chemicals.	Breathing problems to workers,lungs disorder,floor contamination.	3	5	15	<p>1.Chemicals to be stored in a designated space.</p> <p>2.Provide proper MSDS for the chemical.</p> <p>3.Avoid direct contact with chemicals.</p> <p>4.Provide proper dip trays and spil kits.</p> <p>5.Provide PVC suits for chemical handlers</p> <p>6.Use competetent persons for handling the chemicals.</p> <p>7.Provide complete supervision for chemical handlers.</p> <p>8.Provide sufficient Fire extinguishers</p> <p>9.Provide propper PPE such us Goggles,Rubber gloves,PVC suits,Hard hat with chin strap N95 mask etc.</p>	1	5
Work at height	Major Injury / Fall of men&materials/ Property damage.	4	5	20	<p>1.Deploy competetent persons only to work.</p> <p>2.Provide full body harness with compressed belt.</p> <p>3.Provide proper handrails.</p> <p>4.provide clean and clear access.</p> <p>5.Maintain propper house keeping and Supervison.</p>	1	5
Handling of Electrical equipments.	Electrical shock/ Electrical fire	3	4	12	<p>1.Visual checks are made of all portable power tools, their electrical switches, plugs and power leads, etc.</p> <p>2. Electrical safety inspections, testing and tagging, etc. are completed regularly as per guidelines for all portable power tools.</p> <p>3.Portable power tools are only to be used where there is a ELCB safety trip switch connected.</p> <p>4. Warning "Danger" tags (or similar) are fixed to all portable power tools under repair or maintenance preventing workers from using them.</p>	1	4
Manual Handling	Injuiries/ MSD	5	3	15	<p>1.Where possible, practical work benches are planned and adjusted to a comfortable work height thus minimising any unsafe or excessively strenuous manual tasks.</p> <p>2.Provide Sufficient workspace</p>	1	3

					3.Floors are regularly cleaned and free of excessive dust, waste materials and other extraneous objects 4.Proper Manual handling training need to provide.		
Moving Vehicles	Major Injuries/ accidents	4	5	20	1.Provide proper Vehicle access way. 2.Keep speed limitations 3.Provide trained flagsmens. 4.Proper maintainance of vehicles.	1	5

Signature : _____
(Safety Manager)

signature : _____
(Project Manager)

Likely Hood (L)	Severity (S)	Risk Rating (L x S)	
Very Unlikely	Negligible	1 - 7.	Low (acceptable)
Unlikely	First-aid Injury		
May Happen	Minor Injury	8 - 16.	Medium (un-acceptale)
Likely	Major		
Very likely	Severe	17 - 36	High
Certain or Imminent	Fatality		

ntrols
Risk Rate
4
4
5

3
5
5
4
3

4