## SHRI-GANESH LABOUR SUPPLER

## Hazard Identification, Risk Assessment And Risk Control Resister (HIRA)

								Machining			Component assembly				Leaktesting			Component washing			Main Activity
	-				NR	70	Use of cutting tools.	Machine cleaning.	Use of fixture on machine.	assembly	Use of Child parts for	BOP pressing as per drawing.	Component assembly as per drawing.		operation 80.			operation 70.			Activities
					Non-routine	Routine	Tool replacement	Machine deaning in internal external side.	Fixture loading and unloading machine.	Material removed from box and poly bags	Use of pneaumatic gun for part fittment.	Use of Hydrualic pressing machine	Assemble component by using child part	Unloading of component and keeping on trolley	Start the leak testing cycle	Uplift the component from operating tray and load on fixture.	Unloading of component and keeping on operating tray	Start the cycle for component washing.	Uplift the component from operating tray and load on fixture.		Sub-Activities
3 VERY LIKELY	2 Likera	ז טאטאפנץ	ng POO		C	P	R Operators fingure may cut.	NR Operator may fall at working place.	NR Fixture may fall.	R NIC	R	R pressing cylinder and component	R NIL	R chances of figure cut.	R Figures may cought in between sealing cylinder and component	While uplifting the material component may fall on leg.	R chances of figure cut.	While washing machine start solvent may fly on face.	While uplifting the material component may fall on leg.     2. Hand injury if table rotated in running cycle.	,	Prezen Na
Injury leading to temporary / permanent disability	Injury calling for first aid treatment	Injury not calling for any first aid treatment	Injury		Consequences	Probability	34 Injury to fingure.	33 Injury to body	32 Injury to leg or hand	NIL	NIL	31 Injury to fingure.	NIL	30 Injury to fingure.	29 Injury to fingure.	28 Injury to leg.	27 Injury to fingure.	26 Injury to eyes and face.	25 1. Injury to leg. 2. Injury to hand	На	zard No
Illness due to chronic exposure having last long effect.	Illness due to acute exposure or hospitalisation for more than 48 hrs.	Illness having momentary discomfort	Ill Health	Severity of Risk			Safety shoes provided to avoid slilpage	slipage		,	,	Two hand switch button provided for clamping.		Safety hand gloves provided	Safety hand gloves provided	Safety shoes provided	Safety hand gloves provided	1.Machine cycle interlocked with door closing.	Safety shoes provided.     Cycle interlocked with LED Curtain.		Present control
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Warnings/Signage/Admin Controls	Control			Description			<b>V</b>			•	•			1	A CONTRACTOR OF THE PROPERTY O	A CONTRACTOR OF THE PROPERTY O	<b>4</b>			D OCP No	Additional Control Operational Control
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## Hazard Identification, Risk Assessment And Risk Control Resister (HIRA)

		3										Component machining.												Component Material handling		Main Activity	
		Machining operation 60.			Machining operation 50.				Machining operation 40.			4	Machining operation 30.				Machining operation 20.				Machining operation 10.			Material handling from machine to machine to machine in cell	-	Activities	
	Unloading of component and keeping on operating tray	Clamping of component.	Uplift the component from operating tray and load on fixture.	Unloading of component and keeping on operating tray	Clamping of component.	Uplift the component from operating tray and load on fixture.	Unloading of component and keeping on operating tray	Machining cycle	Clamping of component.	Uplift the component from operating tray and load on fixture.	Unloading of component and keeping on operating tray	Machining cycle	Clamping of component.	Uplift the component from operating tray and load on fixture.	Unloading of component and keeping on operating tray	Machining cycle	Clamping of component.	Uplift the component from operating tray and load on fature.	Unloading of component and keeping on operating tray	Machining cycle	Component loading on fixture and cycle start for machining.	TROUNE	Upils, the component from trolley for	Material shifting from raw casting area to cell, by using trolley.		Set-Activities	
	R While unload the component may be chances of figure cut.	While component loading on fixture fingure press in clamp.	While uplifting the material component may fall on leg.	While unload the component may be chances of figure cut.	While component loading on fixture fingure press in clamp.	While uplifting the material component may fall on leg.	While unload the component may be chances of figure cut.	R Chips fly towards operator	R fingure press in clamp.	R May fall on leg.	R chances of figure cut.	R Chips fly towards operator	R fingure press in clamp.	While uplifting the material component may fall on leg.	While unload the component may be chances of figure cut.	R During facing operation chips may fly towards operator	While component loading on fixture fingure press in clamp.	While uplifting the material component may fall on leg.	While unload the component may be chances of figure cut.	During facing operation chips may fly towards operator	While component loading on fixture fingure press in clamp.	White uplifting the component operator has to bend.	While uplifting the material component may fall on leg.	a Component may fall on leg.	я	T / NR	
	24 Injury to fingure.	23 Injury to fingure.	22 Injury to leg.	21 Injury to fingure.	20 Injury to fingure.	19 Injury to leg.	18 Injury to fingure.	17 Injury to eyes and face.	16 Injury to fingure.	15 Injury to leg.	14 Injury to fingure.	13 Injury to eyes and face.	12 Injury to fingure.	11 Injury to leg.	10 Injury to fingure.	09 Injury to eyes and face.	08 Injury to fingure.	07 Injury to leg.	06 Injury to fingure.	05 Injury to eyes and face.	04 Injury to fingure.	03 Back pain.	t 02 Injury to leg.	01 Injury to leg.	Иа	izard N	0
	Safety hand gloves provided	Safety hand gloves provided	Safety shoes provided	Safety hand gloves provided	Safety hand gloves provided	Safety shoes provided	Safety hand gloves provided	Machine cycle interlocked with door closing.	Safety hand gloves provided	Safety shoes provided	Safety hand gloves provided	Machine cycle interlocked with door closing.	Two hand switch button provided for clamping.	Safety shoes provided	Safety hand gloves provided	Machine cycle interlocked with door closing.	Two hand switch button provided for clamping.	Safety shoes provided	Safety hand gloves provided	Machine cycle interlocked with door closing.	Two hand switch button provided for clamping.	Lower row of trolley should not bellow 1.5 ft.	Safety shoes provided	Safety shoes provided		Present control	
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