													1		ı			i	1			
	*													-			1	-	1	ngabad	Aurangabad-431136	
					lazard Ide	ntification	Hazard Identification, Risk Assessment And Risk Control Register	nent And R	isk Contro	Register	(HIRA)							-	Pag	Page No.		
												0	Objectiv e No.		-	- 1			ddi	Additional Controls		
vity	Sub-Activities	m Z	RINR	Hazard	Risk	Legal	Probability	nce	nt	level	No.	y No.	A					0	pera	Operational Control		
		-										L		m	S	EC	٤	S EC W P		OCP No	MPNo	
	Collect the eastings after heat treatment by manual moving trolley.		22	Sprain due to manual handling of the trolley.	Sprain		N	N	4	Z					5							
			R	Fall of material on the level	Incident		2	.N .	4	3			3		14 3							
	Fixing the casting inside the bench vice		ZI.	Sharp edges that may contact with skin	Out injury		N	N	4	3												
	Removal of the un wanted material with the help of file and chisel		Z Z	Sliding of hand between stationary and movable part.	Cut injury		N	N	4	8												
			_Σ	Fall of casting from height	Foot injury		2		N	r												-
			D	Slipping of tool	Injury		2	*	N	-												
	After completion of filing keep the casing in the designated bin.		zo .	Fall of casing	Foot		N	-	N):	r												
	Collect the chips		D	Chips may contact with skin	Cut injury		N	2	4	3												
			ZJ	Burr may inhale	Respirator y inhalation		ю	4	N	-							1					
	Disposal of chips		ZD.																			
tting(Band	4														100							
	Receive the castings from the GDC department by fook lift.		双	Fall of casting	Foot Injury		2	-	N	-												

Fettling

W-9, MIDC Waluj

N-1	LAXIVI
y, MIDG V	
Menn	PR
	SES

					Filing	Fettling									
Collect the burr.	Keep the casting in the designated bin		Removal of the un wanted material with the help of file	Fixing the casting inside the bench vice	Collect the castings from band saw		After completion of gate cutting remove the custing, runner and risers and deposit in the respect bin				(A)Push the casting against the vertical moving blade	Switch on the machine		Keep the casting on table.	14.
70	Z	ZJ	ZD.	ZD.	D		D	⊼.	ZD.	æ	Z	R	æ	R	Z
Burr may contact with skin	Manual handling of the casting	Fall of casting from height	Sliding of hand between stationary and movable part	Sharp edges that may contact with skin	Fall of casting		Sharp edges that may contact with skin	Hot casting may contact with skin	Shiring of hand between stationary and movable part	Slipping of the casting	Sharp edges that may contact with skin	Exposure to electical energy	Sharp edges that may contact with skin	Manual handling of the casting	Site tranasport
Cut injury	Sprain	Foot injury	Cut injury	Cut injury	Incident		Cut injury	Burn	Cut injury	Cut injury	Cut injury	Electric	Cut injury	Sprain	Incident
N	20	N	N	2	N		N	-	2	2	2	2	ы	ы	N
-		-	102	N	•		N	_	22	N	2	_	2	à.	22
N	N	N.	4	4	N		4	4	4	4	4	N	4	N	4
,	Е	F	3	×	-		Z	r	M	Z	Z	e	2	-	3
															Water Banan 401100

					Pneumatic grinder									h	Belt grinder	Grinding	
Keep the casting in the designated bin			By the application of pneumatic grinder remove the un wanted material	Collect the easings for grinding			Collect the burr.		Keep the casting in the designated bin				Hold the casting against the abrasive wheel	Switch on the belt grinder.	Collect the castings from tling		30
Z	ZJ.	D	Z	Z	ZJ	20	Z	D	Z	D.	ZJ.	ZJ	Z	Z	ZD	ZJ	D
Manual handling of the casting	Burr may fall in the eye	Slipping of tool	Al dust may inhale	Fall of casting		Burr may inhale	Burr may contact with skin	Hot casting may contact with skin	Manual handing of the casting	Al dust may mhale	Burr may ingest through mouth	Burr may contact with eye	Sliding of hand between stationary and movable part.	Exposure to electricity	Fall of casting		Bur may inhale
Sprain	Eye injury	Cut injury	Respirator y inhalation	Incident		Respirator y inhalation	Cut injury	Burn	Sprain	Respirator y inhalation	Respirator y inhalation	Eye injury	Cut injury	Electric shock	Incident	27	Respirator y inhalation
N	N	2	N	2		ω	N	N	N	N	2	N	2	N	N		Z
4	*	N		4		_	4	4	4	4	4	4	2	4	4		4.
N	53	4	N	2		Ca .	N	N	N	2	2	2	*	ы	N		22
r	-	3	r	г		3	r	r	-	r	r	op:	3	r	г		г
									J.J								
						-											1.97

5.0	LAXMI
3	
いる。	ERPR
	SES

						Z	Z		Collect the burt.
P00-F		ω Ν	-	Rating		routine	Routine	D	סג
POO - Probability of Occurrence		LIKELY	UNLIKELY			C	79	Burr may inhale	Burr may contact with skin
	leading to temporar y / permane nt disability	calling for first aid	calling for any first			Consequences	Probability	Respirator y inhalation	Cut injury
		lliness due to acute exposure or hospitalisation for more illiness due to chronic	Injury not Illness having calling for momentary discornifort eny first			nces		2	2
		nsequence	w			-	RISK LEVE	-44	٠
_	12	2/1	3/M			×	r	N	2
Probab	צור	4/M	6/H	MATRIX		Medium	Low	г	٢
ω	MIC	FI19	316						
						m	I		
סי	8	EC	S		Abb				
Personal Prote	Warnings/Sigr	Engineering Control	Substitution	Elimination	Des	Emergency	High		
Personal Protective Equipments	Warnings/Signage/Admin Controls	ontrol			Description				Aurangabad- 451136
ОСР	ОСР	MP	MP	MP	Input For				apaq

