(noraksha. Skill Job Services.

-		L			Hazard IA	entification	on, Risk Assess	sment And	Risk Con	trol Regis	ster (HIPA)							+			
					riazaro Idi	enuncatio	, NISK ASSES!	And			Ter (mika)		Objecti	_		_		Pag			
tivity	Sub-Activities	E	R/NR	Hazard	Risk	Legal	Probability	Consequ	Resulta nt	Risk	Sig. Hira No.	Priorit y No.	ve No.					_	tional Control		
						-		1						E	8	EC	w	Р	OCP No	MP	No
:		L												_	\vdash	_	+	+			
ng of nd rej rres	Requisition given to stores .		R					7													
	Transfer the ingots bundle and rejection by		R	Site tranasport	,	Incident		2	2	4	м							,			
	forklift to melting			Site transsport		meiaem		·							\sqcup	_		\perp			
			R	Fall of material on the level	2	Incident		2	2	4	м				Н			_			
			NR	Wetting of material due to rain	3	Incident		2	2	4	м				Ц			_			
g into the furnace	Cut the ingots strip		R	Strip may contact with skin	4	Cut Injury		2	2	1	м	_			Н				,		
	Lift the ingots with hands(manual lifting) and throw it into the furnace.		R	Manual lifting of Al ingots	5	Sprain		2	2	4	м										
				Fall of ingot/rej casting from height	6	Foot Injury		2	2	4	м										
	Lift the ingots with hands(manual lifting) and		R	Manual lifting of Al ingots	7	Sprain		2	1	2	L										
	put it in trolley	4				Foot		-		_	 	-		-	H						
				Fall of material on the level	8	Injury Skin		2	1	2	L				\parallel	_					
peration	Put oily cotton inside the furnace	4		Oily cotton may contact with skin	9	irritation Respirato		2	1	2	м				\parallel						
			NR	Smoke that may inhale	10	ry inhalatio		2	1	2	М				\parallel		H			-	
	Keep the fire		NR	Fire & explosion	11	Incident		2	2	4	м				H		H	+			
			NR	High noise	12	Partial deafness	1 1	2	2	4	М			_	H		H	+			
	Starting of the Melting furnace blower .Furnace oil pump and burner&Exhaust blower and Scrubber pump		R	Exposure to electrical energy	13	Electric shock		2	2	4	м										
	Adjustment the flame.		R	Fall of person on the level	14	Body injury		2	2	4	м										
	Melt the charge.		R	Exposure to heat radiation	15	Skin irritation/ Dehydrat ion		2	2	4	м	,									
	Wrapling the charge with scrapper		R	Exposure to heat radiation	40	Skin irritation/ Dehydrat ion		2	2	4	м										
			R	Molten metal may content with skin	17	Burn	-1	2	2	4	м										
	Take the molten metal sample into the sampling cup with spoon.			Fall of molten metal	18	Burn	1	2	1	2	L										
		+	R	Exposure to heat radiation	19	Skin irritation		2	1	2	L										
	Quench the solidified sample in water	+		Hot sample may contact with	20	Bum		2	1	2	L										
nalysis	Collect the Argon cylinder from stores	+	-	Fall of cylider	21	Injury		2	2	4	м										
	Store the cylinder in site.	\dashv	R	Fall of cylider	22	Injury		2	1	2	L										
	Scratch surface of the sample on table belt	+		Slipping of the tool		Cut injury	123	2	1	2	L										
	grader ,	+	R	Chips may contact with eye	24	Eye injury		2	2	.4	м										
		+	R	Slipping of the Job		Incident		2	1	2	L										
1	Analyse the sample	+	R					1		0											
v	Print the report		R					A		0											
lure	Measure the temperature with thermocouple	_	R	Exposure to heat radiation	26	Skin uritation		2	1	2	L										
ment	Switch off the blower and burner		R	Exposure to electrical energy	27	Electric abock		2	,	2	L						_				
ing of the	A)Connect the preheating burner to the		NR	Manual handling of the burner		Incident		2	2	4	м										
	supply(LPG and air)			Hot laddle may contact with					2	4	м	-		_		+			F		
	Keep the laddle in right position Put the burner above the laddle(Preheating	_		Manual handling of the burner	_	Burn		100	1	2	L			_		1	1				GOLIKS

			NR	Fire &explosion	31	Incident	16	2								Т	П				
-	Put the fire manually		NR	Fire &explosion	32	Incident	100	2	2	4	M			_	+	-					4
	Open the LPG Cylider and Air valve		NR	Fire &explosion	33	Incident	EA.	2	2	4	м			-	+	-					
	Regulate the LPG and Air flow						- 4				н				+	+	H				_
	After completion of pre heating close the valves of LPG and air supply		NR	Fire &explosion	34	Incident		2	2	4	М										
	Remove the burner and keep in their respective place.		NR	Burner may contact with skin	35	Burn		2	1	2	L										
	Cover the laddle with Ceramic blanket		NR	Blanket may contact with skin	36	Skin writation		2	1	2	L										
	B)Plug in Electrical Preheated Laddle& Switch on		R	Exposure to electrical energy	37	Electric shock		2	2	4	M										
Tapping of the liquid metal	Bring the pre heated laddle nearer to the pouring spout with crane		R	Exposure to heat radiation	38	Skin irritation		2	1	2	L										
	Keep the laddle in right position		R	Exposure to heat radiation	39	Skin irritation	* /	2	1	2	L										
	Tapping of the liquid metal into the laddle from the furnace.		R	Fall of molten metal	40	Burn		2	2	4	м										
			R	Manual handling of the furnace	41	Sprain		2	2	4	м										
			R	Fire	42	Incident		2	2	4	н										
Cleaning of the melting Furnace.	Put coveral-5 over the melting furnace walls.		R	Fumes may inahale	43	ry inhalatio		2	2	4	м										
	Scrap the walls with the help of scrapper		R	Preheated scrapper may contact with skin	44	Burn		2	2	4	м		4								
	Remove the dross with the help of skimmer in designated bin.		R	Fall of dross	45	Burn		2	2	4	м										
			R	Manual handling of the dross	46	Sprain	-	2	2	4	м										
			R	Fumes may inahale	47	Respirato ry inhalatio n	F	2	2	4	м										
Degassing	Collect the Nitrogen cylinder from stores.		R	Fall of cylinder	48	Foot Injury	5 P	2	1 1	2	L					1					
	Store the cylinder in site.		R	Fall of cylinder	49	Foot Injury	1	2	2	4	м			1				-			
			R	Explosion of the cylinder	50	Incident		2	2	4	м										
	Transfer the laddle to degassing station with crane or Forklift.		R	Exposure to heat radiation	51	Skin irritation	j	2	1	2	L										
	Put the laddle in designated place for degassing.		R	Exposure to heat radiation	52	Skin irritation	- N	2	1	2	L										_
	Put Coveral flux to the melt		R	9)Fumes may inhale	53	Respirato ry inhalatio		2	1	2	L										_
	Mix thoroughly with skimmer and remove the dross into the dross bin		R	11)Fall of dross on body	54	Burn		2	2	4	м										
			R	14)Manual handling of the dross	55	Sprain	- [3	1	3	M						_				+
ļ.			R	9)Fumes may inhale	56	ry inhalatio	18	2	2	4	м			_			_		-		+
			R	13)Exposure to heat radiation	57	Skin irritation		2	1	2	L			_		4	_		-		+
			R	11)Splashing of the molten metal may contact with skin	58	Burn		2	1	2	L						1			,	-
	Bring the degassing machine arm of the degassing machine to working position		R	Manual handling of the machine	59	Sprain	Ì	2	1	2	м										
	Open the nitrogen cylinder with key.		R	Gas may inhale	60	Kespirate ry inhalatio		2	1	2	м					1	+				+
i de la constante de la consta	Adjust the cylinder pressure ,working pressure and nitrogen flow.		R	Explosion of the cylinder	61	Incident		2	2	•	м						-				
	(a)Keep the machine in auto mode.		R	Exposure to electrical energy	62	Hectric shock		2	1	2	L				-	+	+				+
	Start the machine.		R	Fall of molten metal due to stirring action	63	Burn		2	1	2	м	_		_	+	+	+		W)		
	Add GR 510.GR 2815 and Mod alloy to the melt.		R	Exposure to heat radiation	64	Skin irritation	1	3	1	3	м	-			-	+	+		1		T
	After completion of the degassing clean the degassing rotor	NO.	R	Exposure to heat radiation	65	Skin irritation		,	1	3	м					+				THURANG PARTY	V AK
	Close the nitrogen cylinder valve with key.		R	Gas may inhale	66	ry inhalatio	4 9 000	3	1	3	м				П	\perp	L			15 C	7

Avaccom Switch on the density cracecing R Exposure to electrical energy 91 shock							T														
Description of the Conference of the Conferenc	Keep	the degassing machine arm in idle			67	Sprain		3	1	3	м										
Martin	Trans	ifer the molten metal to LPDC/GDC with	R	Exposure to heat radiation				3	1	3	м										
March Marc	IOIK		R	Fall of metal from height	69	Burn	7	2	2	4	м										
Note the second content of the con					70	Burn		2	2	4	м										
March of fragming among all for many control of many control					71	Sprain		2	2	4	м										
Note Processing and the risk calculation of the content of calculation of the content of calculation of the calculation of		hands are sent mode	_		72			2	1	2	м										
March Marc				Splashing of the molten metal	73			2	2	4	м										
Note of Assertion of Control No.	meta	al.			74	Burn		2	2	4	м				_	\dagger					
March STATE of the received which			-			Electric		3	1	3	м										
Age			-			Skin			1	3	м										
Note departing more No. Concentration			NR	Exposure to heat radiation																	
No. Cycles to he be depended on the Cycles of the head selection 79 Stills 1 2 M	Afte	er completion of the degassing stop the tion of the rotor	NR	Exposure to heat radiation	77			3	1	3	м				\parallel						
Come for degenory more NR Come for a fundamental processor on the substitution NR Come for a fundamental processor on the substitution NR Come for degenory more NR Come for degenory more NR Come for degenory more on the substitution of the machine NR Come for degenory more of the substitution of the machine NR Come for degenory more of the substitution of t	Up	the degassing rotor.	NR	Exposure to heat radiation	78			3	1	3	М	_				+	-				
Charle the amongen cyclinder valve with Issy. NR Gas may publishe 40 Charles 2 1 3 M	Cle	ean the degassing rotor	NR	Exposure to heat radiation	79	initation		3	1	3		-		-	H	+	+		+		
Note the depasting authorities are in the control of the control o	Clo	se the nitrogen cylinder valve with key.	NR	Gas may inhale	80	ry		3	1	3	М	-		+	H	+	+				
Mrs. thereogles with stamma and consists of the states of			NR		81	Sprain		3	1	3	м				Ц						_
NR Named handling of the drive as a Sprain 3 1 3 M 1 3 M 1 1 3	Mix	thoroughly with skimmer and remove the	NR	Fall of dross	82	Burn		2	2	4	м										
NR Exposure to hear relation 85 Sin retration 2 2 2 4 M M Sin Sin Relation 85 Sin Retration 85 Sin Retration 86 Burn 3 1 3 M Sin Retration 87 Sin Retration 86 Burn 9 3 1 3 M Sin Retration 87 Sin Retration 88 Burn 9 2 2 4 M M Sin Retration 88 Burn 9 Sin Retration 89 Burn 9 2 2 4 M M Sin Retration 89 Burn 9 2 2 4 M M Sin Retration 89 Burn 9 2 2 4 M M Sin Retration 90 Speain 90 Burn 9 2 2 2 4 M M Sin Retration 90 Speain 90 Burn 9 2 2 2 4 M M Sin Retration 90 Speain 90 Burn 9 2 2 2 4 M M Sin Retration 90 Speain 90 Burn 9 2 2 2 4 M M Sin Retration 90 Speain 90 Burn 9 2 2 2 4 M M Sin Retration 90 Speain 90 Burn 90 Bu	dros	ss into the gross on.	NR	Manual handling of the dross	83	Sprain	1	3	<u>}</u> 1	3	м										
NR Exposure to heat radiation 85 Skin metal in 11 Systaking of the molten metal in 12 2 2 4 M M	-		NR	Fumes may inahale	84	ry	1	3	1	3	м										
Transfer the moliter metal to LFDC GDC with Great Exposure to heat radiation 87 Shin invation 3 1 3 M	-	- 1 - 1	NR	Exposure to heat radiation	85	Skin	1	2	2	4	м								1,0		
Transfer the molters metal to LFDC GDC with fork lift for crane. R Exposure to heat indiation R Fall of metal from height 88 Burn 2 2 4 M M Metal contact with skin 89 Burn 2 2 4 M M R Manual handling of the laddle R Manual handling of the laddle R Exposure to electrical energy 91 Electric shock 2 1 2 L Copen the lid of the vaccum chamber R Manual handling of the lid R Exposure to heat radiation R Fall of molten metal 93 Burn 2 1 2 L Copen the lid of the vaccum chamber R Fall of molten metal 93 Burn 2 1 2 L Copen the lid of the vaccum dampth spoon and pour it in the sampling cup keps made the chamber R Exposure to heat radiation 94 Shan Switch on the vaccum R Exposure to heat radiation 94 Shan Switch on the vaccum R Exposure to heat radiation 95 Sprain 2 1 2 L And Congression of cycle time open the lid and growth family of the lid PR Manual handling of t	-	e1 70 U	NR	11) Splashing of the molten	86	Burn	R	3	1	3	м										
Transfer the motive metal to EPEC-CLAS. With first content for the metal of the content of the strain of the first of the content of the cont	-		-	metal may consict with skin		Skin	1719	<u>.</u>			<u> </u>										
Metal contact with akin Response to electrical energy Open the lid of the vaccum chamber Response to bear radiation Response to bear radiation Response to bear radiation Response to electrical energy D1 Electric shock 2 1 2 L Copen the lid of the vaccum chamber Response to bear radiation Response to electrical energy D1 Electric shock D1 2 L Copen the lid of the vaccum chamber Response to bear radiation Response to electrical energy D2 Sprain D3 1 3 M D4 1 2 L D5			R	Exposure to heat radiation	87		1	3				+			+		+				-
Metal contact with sain R Manual handling of the laddle 90 Sprain 3 1 3 M Checking Switch on the density checking et Vaccoum markinet vaccoum teater) R Exposure to electrical energy 91 Electric shock 2 1 2 L Open the lid of the vaccoum chamber R Manual handling of the lid 92 Sprain 2 1 2 L Fake the molten metal with spoon and pour it in the sampling cop kept mode the chamber R Exposure to heat radiation 94 Skin imitation 2 1 2 L Switch on the vaccoum R Exposure to heat radiation 94 Skin imitation 2 1 2 L Close the lid of the vaccoum chamber R Manual handling of the lid 90 Sprain 2 1 2 L After completion of cycle time open the lid and remove the sample	1		R	Fall of metal from height	88	Burn	11/4	2	2	4	-		-	-	+		+				
checking Switch on the density checking ed vaccum tester) R Exposure to electrical energy 91 Electric shock 2 1 2 L Open the lid of the vaccum chamber R Manual handing of the lid 92 Sprain 2 1 2 L Fake the molten metal with spoon and pour it in the sampling cup kept made the chamber R Exposure to heat radiation 94 Skin imitation 2 1 2 L Switch on the vaccum R Exposure to electrical energy 95 Electric shock 2 1 2 L After completion of cycle time open the lid and remove the sample	4	1		Metal contact with skin	89	Burn	10	2	2	4	М		+	+	-						
After completion of cycle time open the lid and remove the sample		ī	R	Manual handling of the laddle	90	Sprain	- 1	3	1	3	М		+	+	+		+				
Open the lid of the vaccum chamber Fall of molten metal 93 Burn 2 1 2 L	z(Vaccum	switch on the density checking nackine(vaccum tester)	R	Exposure to electrical energy	91			2	1	2	L								V		
In the sampling cup kept inside the chamber R Exposure to heaf radiation 94 Skin irritation 2 1 2 L Switch on the vaccum R Exposure to electrical energy 95 Electric shock 2 1 2 L Close the lid of the vaccum chamber R Manual handling of the lid 96 Sprain 2 1 2 L After completion of cycle time open the lid and remove the sample Manual handling of the lid 97 Sprain 2 1 2 L		Open the lid of the vaccum chamber	R	Manual handling of the Ed	92	Sprain	-	2	1	2	L										
Switch on the vaccum R Exposure to electrical energy 95 Electric shock 2 1 2 L Close the lid of the vaccum chamber R Manual handling of the lid 96 Sprain 2 1 2 L After completion of cycle time open the lid and remove the sample	1	Take the molten metal with spoon and pour it in the sampling cup kept inside the chamber	R	Fall of molten metal	93	Burn		2	1	2	L										
Switch on the vaccum R Exposure to electrical energy 95 Electric shock Close the lid of the vaccum chamber R Manual handling of the lid 96 Sprain 2 1 2 L After completion of cycle time open the lid and remove the sample R Manual handling of the lid 97 Sprain 2 1 2 L			R	Exposure to heat radiation	94		,	2	1	2	L										
After completion of cycle time open the lid and remove the sample	1	Switch on the vaccum	R	Exposure to electrical energy	95	Electric	-	2	1	2	ľ										
remove the sample		Close the Jid of the vaccum chamber	F	Manual handling of the lid	96	_		2	1	2	L										
	El -		F	Manual handling of the lid	97	Sprain		2	1	2	L										
Quech the sample and visually inspect the R Hot sample may contact with 98 Burn 2 1 2 L	-	Quech the sample and visually inspect the	 ,		98	Burn		2	1	2			+		_						1
surface of the sample	16-		+	SKID SKID	+			1	-	_	+		+		+		+			-	
ng rotor with pipe wrench. R Exposure to hot savironment 99 Burn 2 1 2 L				Exposure to hat environment	99	Burn		2	1	2					_		+		_	19	_
keep the damaged rotor in dust bin. R Manual handling of the damaged rotort llot rotor) Buru 3 1 3 M		keep the damaged rotor in dust bin.		Manual handling of the damaged rotor(Hot rotor)	10	00 Burn	11	3	1	3	М		_		+		+		-		41
Hold the rotor holder with hand R Manual handiing of the holder 101 linsident 3 1 3 M	1	Hold the rotor holder with hand	11		ier 10)1 Incide	DI .	3	1	3	-	-	+	-	+	<u> </u>	+		-		-
Replacing of the rotor with preheated rotor R Manual handling of the preheated rotor 102 Burn 3 1 3 M	13 1	Replacing of the rotor with preheated rotor		R Manual handling of the preheated rotor	10		100	- 1	10	-	+-	-	+	-	+	=	1	-			NYS
Check the threads of the rotor R may contact with skin 103 Cut injury 3 1 3 M	2	Check the threads of the rotor	7	R may contact with skin	10	03 Cut injury	18.6	3	1	3	М						D			1.	GLIKS

	Keep the rotor into the holder and threading up	T																		
	with hands.	R	Manual handling of the damaged rotor(Hot rotor)	104	Burn			3	1	3	м									7
	Hold the degassing rotor with chain above the metal in H.F.	NR	Exposure to heat radiation	105	Skin irritation			3	1	3	м									_
	Dip the preheated rotor into the metal	NR	Splashing of the molten metal may conatet with skin	106	Burn		163	2	2	4	м				-		-			_
	Keep the rotor in molten metal until the metal is removed or remove the degassing rotor from the molten metal and poking with the rod	NR	Exposure to heat radiation	107	Skin irritation						n				+		+			_
	After cleaning the red clean the area and keep the rotor in designated place	NR	Manual handling of the cleaned rotor(Hot rotor)	108	Burn							_	-	+		+	+			_
ining of the nelting furnace	Removal of the old lining	NR	1)Fall of bricks on working level	109	Cut injury			2	2	4	м		-		+		+			
	Lining with new material	NR	1)Fall of bricks on working level	110	Cut injury	1		2	2	4	м			+	-	H	+			
torage of ensumables(flux i)	Receive the consumable items from stores.	R	Fall of consumables	111	Incident			2	1	2	L					\parallel	+			-
isposal .	Collection of damaged stalks	R	Fall of stalk	112	Foot Injury			2	1	2	L			+	+		+			-
	Collection of empty plastic bags	R	Residue may contact with skin	113	Skin irritation			2	1	2	L			+	+	\parallel	+			+
		R	Residue may ingest through mouth	114	Omitting			2	1	2	L					+	+			+
	Collection of empty cylinders	R	Cylinder may fall on the foot	115	Injury	A		2	1	2	L									+
ower hack saw teratron	Clamp the blade	NR	Sharp edges may contact with skin	116	Cut injury	h	1	2	2	4	м				\dagger					+
	Fix the Job to be cutted	NR	Slipping of the material	117	Cut injury	B		2	2	4	м		- 1		\dagger	+				+
	Switch on the machine	NR	Exposure to electrical energy	118	Electric shock			2	2	4	м						\parallel			+
	Adjust the speed of the machine	NR	Manual handling	119	Sprain		ř	2	1	2	L				T					+
	After completion of the operation stop the machine	NR	Exposure to electrical energy	120	Electric shock			2	2	4	м				†					+
	Remove the blade	NR	Sharp edges may contact with skin	121	Cut injury			2	2	4	м						\parallel			-
ammation	Put the wet dross into the bucket.	R	Falling of dross	122	Bum		A	3	2	6	н	1	2					,	EOHS/OCP/28	_
		R	Exposure to heat radiation	123	Skin imitation	III.	4	3	11_	_ 3 _	м	,								_
	Down the ram(Fork) into the dross.	R	Exposure to heat radiation	124	Skin irritation		1	3	1	3	м		1		2		t	-	1 127	_
	Start the rotation of the ram.	R	Exposure to electrical energy	125	Electrocu tion			3	1	3	м									_
		R	Fumes may inahale	126	ry inhalatio	Р	A	3	1	3	м	2	1						EOHS/OCP/28	
		R	In adequate thermal environment	127	Heat stroke		F	3	1	3	м									_
	Start the blower	R	Fumes may inahale	128	ry inhalatio	_	H	3	1	3	м	3	1				Ť		EOHS/OCP/28	3
7	After completion of the process stop the	R	Exposure to electrical energy	129	Electroci tion			3	1	3	м						T			_
	rotation of the ram	R	Exposure to heat radiation	130	Skin irritation Respirate ry			3	1	3	м					1	1			_
	Up the fork	R	Exposure to heat radiation	131	inhalatio n Skin	P		3	1	3	М	4	1		\prod	4	+	1	EOHS/OCP/28	3
	Stop the blower	R	Exposure to electrical energy	132	Electroc	-		3	1	3	М		-		H	4	+			_
	Coffect the metal into the bin.	R	Fall of metal contact with skin	133	tion	-		3	1	3	м		-		\sqcup		-			_
		-	CONTACT WITH SKIN	134	Burn	-	8	3	1	3	м	-	-	-	H		+			_
		+	7					1			-	-		-	\mathbb{H}		+		==	_
ettling	Collect the castings after heat treatment by		Service 4		-				-				-	-	\mathbb{H}	+	+			_
iling	manual moving trolley	R	Sprain due to manual handling of the trolley.	Sprain			2	2	4	м					,					
A		R	Fall of material on the level	locident			2	2	4	м										
	Fixing the casting inside the bench vice	R	Sharp edges that may contact with skin	Cut înju	ry		2	2	4	м										
	Removal of the un wanted material with the help of file and chisel	R	Sliding of hand between stationary and movable part.	Cut inju	ту		2	2												
		R	Fall of casting from height	Foot		1	2	. 1	2	ı					\parallel	+	\dagger			_
	213	R	Slipping of tool	Injury	_		2	1	2	-		1			T	\top	+			
	11 10			1		- 4			1 -	-						- 1			(a)	

ZAU + CZULZ

Tip		T	_												_	_			_
1	Collect the chips		R	Chips may contact with skin	Cut injury		2	2	4	м									
			R	Burr may inhale	Respirator y		2	1	2	L					\dagger				1
	Disposal of chips		R		inhalation										+	H			+
tting(Ban												_	_	+	+	H			4
-												_	_		_	L			_
	Receive the castings from the GDC department by fork lift		R	Fall of casting	Foot Injury		2	1	2	L									
			R	Site tranasport	Incident		2	2	4	м									
ij	Keep the casting on table.		R	Manual handling of the casting	Sprain		2	1	2	L									
1			R	Sharp edges that may contact with skin	Cut injury		2	2	4	м									
19	Switch on the machine		R	Exposure to electrical energy	Electric shock		2	1	2	L									
	(A)Push the casting against the vertical moving blade		R	Sharp edges that may contact with skin	Cut injury		2	2	4	м							-		
			R	Slipping of the casting	Cut injury		2	2	4	м									
			R	Sliding of hand between stationary and movable part.	Cut injury		2	2	4	м									
ħ I	TO THE REAL PROPERTY.		R	Hot casting may contact with skin	Bum		1	1	1	L									
-	After completion of gate cutting remove the casting, runner and risers and deposit in the respect bin.		R	Sharp edges that may contact with skin	Cut injury		2	2	4	м									
8:		1		T				Y								1			
	Collect the castings from band saw	1	R	Fall of casting	Incident		2	1	2	L									
The state of the s	fixing the easting inside the bench vice	1	R	Sharp edges that may contact with skin	Cut injury		2	2	4	м									
	Removal of the un wanted material with the leep of file		R	Sliding of hand between stationary and movable part.	Cut injury		2	2	4	м									
- Marian			R	Fall of casting from height	Foot injury		2	1	2	L				П					
· 鬼 飞,	Keep the casting in the designated bin.		R	Manual handling of the casting	Sprain	1	2	12	2	L									
i.	Collect the burn		R	Burr may contact with skin	Cut injury		2	1	2	L									
			R	Burr may inhale	Respirator y inhalation		2	1	2	L									
- B			R																
nder	Collect the castings from filing		R	Fall of casting	Incident		2	1	. 2	L									
5,	Switch on the belt grinder		R	Exposure to electricity	Electric shock		2	1	2	L									
ŀ	Hold the casting against the abrasive wheel			Sliding of hand between stationary and movable part.	Cut injury		2	2	4	м									
			R	Burr may contact with eye	Eye injury		2	1	2	L	1.46								
			R	Burr may ingest through mouth	Respirator y inhalation		2	1	2	L	AT						I s		
			R	Al dust may inhale	Respirator y inhalation		2	1	2	L									
,-	Keep the casting in the designated bin.		R	Manual handling of the casting			2	17	2	L	Tr.								
			R	Hot casting may contact with skin	Burn		2	1	2	L	18								
3	Collect the burn		R	Burr may contact with skin	Cut injury		2	1	2	L	1								
			R	Burr may inhale	Respirator y inhalation		3	1	3	м		H							
dic grinder			R																
	Collect the castings for grinding		R	Fall of casting	Incident		2	1	2	ı									
	By the application of pneumatic grinder remove the un wanted material		R	Al dust may inhale	Respirator y inhalation		2	1	2	ı					-	+			
			R	Slipping of tool	Cut injury		2	2	1	м			_	-	\downarrow	-			_
1		Ц	R	Burr may fall to the eye	Eye injury		2	1	2	ı			 -	\parallel	\perp	+			-
	Keep the casting in the designated bin		R	Manual handling of the casting	Sprain		2	1	2	١.			_	\sqcup	_	+		-	_
3	Collect the burr.		R	Burr may contact with skin	Cut injury		2	1/8	2	L								L	307
Ata																		1.	*/

	R	Burt may inhale	Respirator y robalation		2	1	2	L								
R	Routine	P	Probabilit	,	il.	RISK LEVE	L	Low		н		_	Нуп			
NR	Non- routine	с	Conseque	ences		1	u	Medium		ε		ε	nerge	ey		
		I									Abs				exception	input For
	Rating	POO			10			MATR	X		E	+	limin.	non		
	1	UNLIKELY	not calling for	moment	es having ary discomfo	1 3	2/M	en	\$/E		s	,	ubstit	ution		No
	2	LIKELY	Injury calling for first aid	liness	due to acute posure or sation for more	nsequenc	1	4/14	елн		EC	: 8	ngine	ering (Control	WP
	3	VERY LIKELY	Injury leading to temporar	Illness exposu	due to chronic ire having last ng effect.	Π.	-		•							
			y / permane nt disability			1	1/L	2/L	3/M					_		OCP
			J., 30						3	-	W	'	V arnir	gs/5ig	gnage/Admin Controls	OCF.
		robability of Occurrence					1	Proba	-		۹ ا	.	Person	al Pro	stective Equipments	OCP

