-22																				
(全里的)			Hazard Identification, Risk Assessment And Risk Control Register (HIRA)																	
DEPARTME	ENT Maintenance																			
Activity				Hazard		Haza	Risk	Present cont	trol I	egal Prof	a Conseq	Result	a Ris	k Sig.	Prior	Obje			Plant:-	A
	Heater replacement.	-		Substance may cause harm b	y com	No		FOUNDED A		bilit	y uence	nt	leve	No.	V No	No.		S	EC	w
	Heater sleeve & lugs replacemen	nt.	,	in contact with skin. Substance may cause harm b		3/5	Cut & burn injur	T/20		. 2	2	4	М							
	Clean oil pump, manifold, pipeline			in contact with skin.			Cut & burn injur	Y T/20		2	2	4	M							
	gauges.	α .	,	in contact with skin.		3//	Cut injury	EOHS/OCP/M T/27		. 2	2	4	М							
	Burner dismantling. Contactor contact cleaning or	-	F	In contact with skin.	0	3/8	Cut injury	EOHS/OCP/M T/27		2	2	4	M						-	
-	replacement		R	in contact with skin.	, bonno	390	cut injury	EOHS/OCP/M	AIN	2	2	4	М							
	Start grinder & ensure OK for production		R	Exposure to electrical ener	gy.	391	Electrocution	EOHS/OCP/MA	AIN	2	2	4	M	-						
	Check motor current.		R	Exposure to electrical ener	· mu	392	Electrocution	T/14 EOHS/OCP/MA	UN	2.		7	IVI	-					-	
			-		57-	332	Electrocution	T/14	+	2	2	4	M,		-					
																		-	-	
	Clean all machine parts.		R	Substance may cause harm by in contact with skin.	come	394	Cut injury	EOHS/OCP/MAI T/14	IN	2	2	4	М				1		1	
	Lubricate moving parts		R	Fall of person on the level.		395	Incident.	EOHS/OCP/MAI	N	2	2	4	11			-	-	-	+	+
DECORING M/I			R	Fall of person on the level.	-			T/14 EOHS/OCP/MAII	N				М				. '		-	1
MAINTENANCE	CYLINDER SEAL REPLACEMENT		-	ran of person on the level.		396	Incident.	T/14		2	2	4	М							
	Replace seal.		R	Penetration of sharp object		397	Cut injury	EOHS/OCP/MAIN	V						-	-	-	-		
	Assembled cylinder.	-	R	Substance may cause harm by c	ome			T/14 EOHS/OCP/MAIN		2	2	4	М							
	PNEUMATIC VALVE MAINTENANCE		-	in contact with skin.		398	Cut injury	T/14		2	2	4	М							
	& HOSE PIPE REPLACEMENT OR														199		-			
1	TIGHTENING. Clean spool & valve from inside by				-	-														
	using Diesel.		.R	Fall of person on the level.	1	399	Incident.	T/14		2	2	4	M		1.					
	Contactor contact cleaning or			Substance may cause harm by co	me															
	replacement. Connection tightening of all		R	In contact with skin.	. 4	100	. Cut injury	EOHS/OCP/MAIN T/14		2	2	4	М			1		1		
	contactor, limit switches & all		R	Substance may cause harm by co	me 4	01	Cut injury	EOHS/OCP/MAIN		2	2	4								
	electrical switches,		-	in contact with skin.	-	-		T/14		-	-		И					1:		
	Clean all machine parts.		RS	ubstance may cause harm by cor	ne 40	12	Cut Indiana	EOHS/OCP/MAIN					-		-	-				
	Clean power pack,pump,manifold &		+	in contact with skin.	-	-	Cut injury *	T/14		2	2	1	1							
	hydraulic cylinder by using cotton		R S	ubstance may cause harm by con	ne 40	13	Cut Injury	EOHS/OCP/MAIN		1										
	waste.			in contact with skin.			cut injuly	T/14		2	2 4	N					1	1		
	Lubricate moving parts.		R	Fall of person on the level.	40	4	Incident.	EOHS/OCP/MAIN		2	2 4	N	- 120	partie sets	-	-	1	-		-
	Check oil level in FRL unit.		R	Fall of person on the level.	405		Incident.	T/14 EOHS/OCP/MAIN	-			1	D.	2	1	1	-	1		
	HYDRAULIC POWER PACK	-	-	The street of the level.	40.	-	incident.	T/14	-	2	2 4	A SM	1		1	12				
GATE CUTTING & BAND	MAINTENANCE Check oil level & oil condition of										1	817	1	140		1/9	1			
SAW MACHINE MAINTENANCE	power pack.	-	R	Fall of person on the level.	406		Incident.	EOHS/OCP/MAIN T/14		2	, A	M	T. J.F	(UDI	17		1		1	
	Open drain valve & drain hydraulic oil.		R	Fall of person on the level.	407		Incident.	EOHS/OCP/MAIN		2 2	1	М	+	4/4	1	1	1		+	-
	Collect scrapped oil in oil barrel.	1	Sub	ostance may cause harm by come	408		Cut labour E	T/14 OHS/OCP/MAIN	-	-	1	47	10	110	Ast	14	1		-	-
	Clean power pack.	-	-	in contact with skin.	-		cut injury	T/14 OHS/OCP/MAIN		2 2	4	'M	-	-	1	7	1	:		
		F	Sub	Fall of person on the level.	409		incident.	T/14		2 2	4	M			1: "	1.			-	
	Remove suction & return line filter.	R	Sub	stance may cause harm by come in contact with skin.	410		Cut injury E	OHS/OCP/MAIN T/14		2 2	4	M	-		and the same					-
	Clean suction & returnline oil filter.	R		Fall of person on the level.	411		Incident,	DHS/OCP/MAIN		2 2	4	M							-	-
	Take hand pump & insert in oil	R		Fall of person on the level.	412	:	Incident.	T/14 DHS/OCP/MAIN	+		-	-		-	-		-	-	-	-
	barrel. CYLINDER SEAL REPLACEMENT			, and the letter	726		mouent	T/14	1	2 2	4	М							-	
	Clean cylinder spare.	R		Fall of person on the level.	413		Incident. EC	OHS/OCP/MAIN	2	-	1	-				-	-		-	-
	Replace seal.	R	1				50	T/14 HS/OCP/MAIN	+		4	M		-	-	-				1
	Clean spool & valve from inside by	1"	-		414	Respira	tory innaiation.	T/14	2	2	4	M								
	using Diesel.		-	Fall of person on the level.	415		ncident.	HS/OCP/MAIN T/14	2	2	4	М								7

1																		10	
1								-											
					Hazard Identification	n, Risk Assessment	And Ris	k Contro	ol Registe	r (HIRA)			,						
. DEPARTMENT	Maintenance																		
Activity	Sub-Activities	E R		Haz rd	Risk	Present control	Legal	Proba		Resulta	Risk	Sig. Hira	Priorit	Obje			Plant:		Addit
	ELECTRICAL MAINTENANCE			No				bility	uence	nt .	level	No.	y No.	No.	E	5	EC	W	Р
	Connection tightening of all contactor, limit switches & all electrical switches.	R	Substance may cause harm by con in contact with skin.	ne 416	Cut injury	EOHS/OCP/MAIN T/14		2	2	4	M								
	Clean all machine parts.	R	Substance may cause harm by comin contact with skin.	ne 417	Incident.	EOHS/OCP/MAIN													
	Lubricate moving parts.	R	Culatanaa mari aasaa ka k	ne 418	Incident.	T/14 EOHS/OCP/MAIN		2	2	4	М						-		
	Greasing to all bearing	R	Substance may cause harm by com	ne 419	· Cut injury	T/14 EOHS/OCP/MAIN		2	2	4									
DUST COLLECTORS	MAINTENANCE OF VIBRATOR		in contact with skin.			T/14		-	-	4	М		1						
MAINTENANCE	Remove bags	R	Substance may cause harm by comin contact with skin.	e 420	Cut injury	EOHS/OCP/MAIN		2	2	4	М		,		-				
		R		421	Respiratory inhalation.	T/14 EOHS/OCP/MAIN		- 2	2	4	М								-
•	Clean bags	R	Flying foreign body in eye.	422	Eye injury,	EOHS/OCP/MAIN		2	2	4	M								
		. R	Dust may be inhaled.	423	Respiratory inhalation.	T/14 EOHS/OCP/MAIN		2	2	4								`	-
	Replace bags	R	Flying foreign body in eye.	424	Eye injury,	T/14 EOHS/OCP/MAIN		2			M								
		R	Substance may cause harm by com		Cut injury	T/14 EOHS/OCP/MAIN	1		2	4	М						-	_	
	* BATTERY		in contact with skin.	74.5	Cut injury	T/14		2	2	4	М								
	Check battery voltage by Voltmeter.			426		EOHS/OCP/MAIN		2	2	4	M					* 4			
	Top up distilled water.	NR	Exposure to electrical energy,	427	electrocution	T/14 EOHS/OCP/MAIN		2	2	4	M							-	-
	Apply petroleum jelly to battery contacts	, NR	Fall of person on the level.	428	Incident.	T/14 EOHS/OCP/MAIN		2	2	4	М			-		4		+	
	battery replacement	NR	Exposure to electrical energy.	429	electrocution	T/14 EOHS/OCP/MAIN		2	2	4					,			+	
	COOLANT & WATER FILLING IN RADIATOR					T/14		-	-	4	M					-		+	-
	Fill the coolant in radiator tank.	R	Fall of person on the level.	430	Incident.	EOHS/OCP/MAIN												4	
	DIESEL FILLING IN DIESEL TANK			100	medent	T/14		2	2	4	M								
	Fill diesel in diesel tank.	R	Fall of person on the level.	431	Incident.	EOHS/OCP/MAIN		2	2	4	M								
		R	Manual handling.	432	Sprain	T/14 EOHS/OCP/MAIN		2	2	4	М							+	-
FORK LIFT		R	Fall of person on the level.	433	Incident.	T/14 EOHS/OCP/MAIN		2	2	4	M							+	-
		R	Fumes that can inhaled	434	Respiratory inhalation.	T/14 EOHS/OCP/MAIN		2	2	4	M		-	-		•		+	-
	TOP UP ENGINE OIL LEVEL & HYDRAULIC OIL LEVEL.					T/14					IVI		-					+	
	Top up engine oil.	NR	Fire.	435	- Incident	EOHS/OCP/MAIN		2	2		.,	-	-	-	-			+	-
	Top up hydraulic oil.	NR	Fall of person on the level.	436	Incident.	T/14 EOHS/OCP/MAIN				4	М	-	-			-		+	-
		R	Manual handling.	437	Sprain	T/14 EOHS/OCP/MAIN		2	2	4	M							-	
	Remove suction & return line filter.	NR	Fall of person on the level.	438	Incident.	T/14 EOHS/OCP/MAIN	-	2	2	4	M								
		NR	Substance may cause harm by come	439		T/14 EOHS/OCP/MAIN	-	2	2	4	M			-				1	
	Clean suction & returnline oil filter.	R	In contact with skin. Fall of person on the level.		Cut injury.	T/14 EOHS/OCP/MAIN		2	2	4	М			-					
	- Inter-	R	Substance may cause harm by come	440	Incident.	T/14 EOHS/OCP/MAIN	-	2	2	4	M								
		R	in contact with skin.	441	Cut injury.	T/14 EOHS/OCP/MAIN		2	2	4	M								
		R	Fall of person on the level.	442	Incident.	T/14		2	2	4	М					,	9		
Maria de la compansión			-							4.1									

