	Activity / Process :			Organization - HIRA										
	Department :													•
Sr.N		Routine/ Non	, Hazard	Risk	Overriding Criteria	Condition	Existing Controls	Risk Assessment based on historical data, existing situation (with /without				S/NS*	Status for Action	Bronos
0.	Sub -Activity	routine	Παζαι υ	I I I I	(LC) *	N/A/E*		Severity	Occurance	Risk Level	Risk Score	37 N3		Propos
1	Transportation of material from vendor	R	Defective Vehicle	Body Injury (Major)		N	Vehicle Maintenance	3	2	3	18	NS	NA	
			Overloading of Vehicle	Body Injury (Major)		А	Weighing of vehicles	3	2	2	12	NS	NA	
			Overflowing of Vehicle	Body Injury (Minor)		A	Checking at main gate	2	2	2	8	NS	NA	
			Hit by frok lift/Stacker / vehicle	Body Injury (Major)		A	Safety Training	5	2	2	20	NS	Propose Additinal Control	Speed lin emerger
			Use of defective, Damaged pallate Pallet	Body Injury (Minor)		A	Safety Training	3	3	2	18	NS	NA	gen
			Lifting of heavy load by forklift	Body Injury (Major)		А	Trained Drivers	5	1	2	10	S	Propose Additinal Control	Authoris
			Wrong lifting method	Body injury		А	Safety Training	4	2	2	16	NS	Propose Additinal Control	Authoris
			Contact with chemicals	Skin irritation / allergy		N	Safety Training Refer MSDS	3	1	2	6	NS	NA	
			Inhalation of chemical fumes	Respiratory Disorders	LC	N	MSDS & Signages,PPE	3	1	2	6	S	Propose Additinal Control	Standard Flammat storage &
			Overspeeding of Vehicle	Body Injury (Major)		A	Traffic rules	2	1	2	4	NS	NA	Display b
			Fire due to leakage of Diesel	Burn Injury (Major)		A	Spillage control kit provided	4	2	2	16	NS	Propose Additinal Control	Procedu
			Driving by unauthorized Person	Injury to Driver	LC	A	Driving license monitoring	4	2	1	8	S	Propose Additinal Control	Vehicle ł person
			Absence of Reverse Horn	Body Injury (Minor)		А	traffic rules	3	2	1	6	NS	NA	
2	Loading of Material	R	Improper Stacking of material may fall down during Loading	Body Injury (Major)		А	Experienced workers	4	2	2	16	S	Propose Additinal Control	SOP for
			Contact with Sharp Edges, Sharp Corners	Cut injury		А	Hand gloves & Safety Shoes	3	1	2	6	NS	NA	
			PPE not used while Loading	Body Injury (Minor)		А	Communication to vendors	2	2	2	8	NS	NA	
			Overflowing of material	Body Injury (Minor)		A	Packaging size is defined	3	2	3	18	NS	NA	
			Vehicle without wheel stopper	Body Injury (Minor)		A	Wheel stopper Provided	3	2	2	12	NS	NA	
			Material slipped from hand	Body Injury (Minor)		A	Hand gloves & Safety Shoes	3	2	2	12	NS	NA	
			Hit by frok lift/Stacker / vehicle	Body injury		А	Safety Training	5	2	2	20	NS	Propose Additinal Control	Speed lin emerger
			Use of defective, Damaged pallate Pallate	Body Injury (Minor)		А	Safety Training	2	1	2	4	NS	NA	
			Lifting of heavy load by forklift	Body Injury (Major)		А	Trained Drivers	5	1	2	10	NS	Propose Additinal Control	SOP for
			Wrong lifting method	Body injury		А	Safety Training	4	2	2	16	NS	Propose Additinal Control	Authoris
			Contact with chemicals	Skin irritation / allergy		N	Safety Training Refer MSDS	3	1	2	6	NS	NA	
			Inhalation of chemical fumes	Respiratory Disorders	LC	N	MSDS & Signages,PPE	4	1	2	8	S	Propose Additinal Control	Standard Flammal storage a
			Fall of material due to slippery hands	Body Injury		А	Use of PPE	2	1	2	4	NS	NA	
			Spillage of chemicals/ may leads to slippery floor	Body Injury		A	Use of PPE	3	2	2	12	NS	NA	
3	Unloading of Material	R	Improper Stacking of material may fall down during Loading	Body Injury (Major)		A	Experienced workers	4	2	2	16	S	Propose Additinal Control	SOP for
			Contact with Sharp Edges, Sharp Corners	Cut injury (minor)		A	Hand gloves & Safety Shoes	3	1	2	6	NS	NA	
			PPE not used while Unloading	Body injury (minor)		A	Communication to vendors	2	2	2	8	NS	NA	
			Overflowing of material	Body Injury (Minor)		A	Packaging size is defined	3	2	3	18	NS	NA	
			Vehicle without wheel stopper	Body Injury (Minor)		A	Wheel stopper Provided	3	2	2	12	NS	NA	
			Material slipped from hand	Cut injury on body parts		А	Hand gloves & Safety Shoes	3	2	2	12	NS	NA	

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osed additional Controls	Remarks
d limit board display & On site	
gency plan	
orised / Train forklift operator	SOP for material handling operation
insed / Train forking operator	SOP for material handling operation
orised / Train operator	SOP for material handling operation
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lard Operating procedure for	
mable & Combustible material	Employee medical health checkup report.
ge & Handling	
ay board for speedlimit 5 Km/Hr	Procedure for vehicles - visitor
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for material handling operation	
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d limit board display & On site	
gency plan	
for material handling operation	
orised / Train operator	SOP for material handling operation
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mable & Combustible material	Employee medical health checkup report.
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for material handling operation	
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	Activity / Process :			Organization - HIRA										
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Sr.		Routine		Diak	Overriding Criteria	Condition	Evicting Controlo		sessment bas				Status for Astion	Dranaa
о.	Sub -Activity	Non routine	Hazard	Risk	(LC) *	N/A/E*	Existing Controls	Severity	Occurance	Risk Level	Risk Score	S / NS*	Status for Action	Propos
			Hit by frok lift/Stacker / vehicle	Body injury		A	Safety Training	5	2	2	20	NS	Propose Additinal Control	Speed li
			Lifting of heavy load by forklift	Body Injury (Major)		A	Trained Drivers	5	1	2	10	NS	Propose Additinal Control	SOP for
			Wrong lifting method	Body injury		A	Safety Training	4	2	2	16	NS	Propose Additinal Control	Authoris
			Contact with chemicals	Skin irritation / allergy		N	Safety Training Refer MSDS	3	1	2	6	NS	NA	
			Inhalation of chemical fumes	Respiratory Disorders	LC	N	MSDS & Signages,PPE	5	1	2	10	S	Propose Additinal Control	Standard Flamma storage
			Spillage of chemicals/ may leads to slippery floor	Body Injury (Minor)		A	Use of PPE	3	2	2	12	NS	NA	
			Use of defective, Damaged pallate Pallate	Body Injury (Minor)		A	Safety Training	2	1	2	4	NS	NA	
4	Storage of Material	R	Improper Stacking of Material may fall down during storage	Body Injury (Minor)		A	Experienced workers	3	2	2	12	NS	NA	
			Contact with Sharp Edges, Sharp Corners	Body Injury (Minor)		A	Hand gloves & Safety Shoes	3	1	2	6	NS	NA	
			PPE not used while Storage of material	Body Injury (Major)		А	Safety Training	2	2	2	8	NS	NA	
			Material slipped from hand	Cut injury on body parts		A	Hand gloves & Safety Shoes	3	2	2	12	NS	NA	
			Hit by frok lift/Stacker / vehicle	Body injury		A	Safety Training	5	2	2	20	NS	Propose Additinal Control	Speed li emeraer
			Untrained employee	Body Injury		A	Training	3	2	2	12	NS	NA	
			Use of defective, Damaged pallate	Body Injury (Minor)		A	Safety Training	2	1	2	4	NS	NA	
			Lifting of heavy load by forklift	Body Injury (Major)		A	Trained Drivers	5	1	2	10	NS	Propose Additinal Control	SOP for
			Wrong lifting method	Body injury		А	Safety Training	4	2	2	16	NS	Propose Additinal Control	Authoris
			Contact with chemicals	Skin irritation / allergy		N	Safety Training Refer MSDS	3	1	2	6	NS	NA	
			Inhalation of chemical fumes	Respiratory Disorders	LC	N	MSDS & Signages,PPE	5	1	2	10	S	Propose Additinal Control	Standar Flamma storage
			Fall of material due to slippery hands	Body Injury (Minor)		A	Use of PPE	3	2	2	12	NS	NA	
			Spillage of chemicals/ may leads to slippery floor	Body Injury (Minor)		A	Use of PPE	3	2	2	12	NS	NA	
5	Unloading of Material by Forklift	R	Lifting of heavy load by forklift	Body Injury (Major)		A	Trained Drivers	5	1	2	10	NS	Propose Additinal Control	SOP for
			Wrong lifting method	Body Injury (Major)		A	Safety Training	4	2	2	16	NS	Propose Additinal Control	Authoris
			Contact with chemicals	Skin irritation / allergy		N	Safety Training Refer MSDS	3	1	2	6	NS	NA	
			Inhalation of chemical fumes	Respiratory Disorders	LC	N	MSDS & Signages,PPE	5	1	2	10	S	Propose Additinal Control	Standar Flamma storage
			Fall of material due to slippery hands	Body Injury		A	Use of PPE	2	1	2	4	NS	NA	
			Spillage of chemicals/ may leads to slippery floor	Body Injury		A	Use of PPE	3	2	2	12	NS	NA	
			Splashing of Chemical during unloading	Body Injury		E	Tray Provided	5	2	1	10	S	Propose Additinal Control	Standar Flamma storage
6	Manual Chemical Handling	R	Skin contact with chemical	Skin abrasions		A	PPE (gloves)	3	2	2	12	NS	NA	
			Strain associate with manual lifting of grease tin, Chemical barrel, barrel.	Stresses and strains on muscles, joints, nerves, back pains		A	Skilled Operator & Safety Training	2	2	2	8	NS	NA	
			slip of person due to spillage of Thinner, Paint, grease, Hardner, Laquer etc	Body injury (Minor)		А	Safety Training	2	1	2	4	NS	NA	

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d limit board display & On site	
gency plan	
for material handling operation	
for material handling operation	
prised / Train operator	SOP for material handling operation
dard Operating procedure for mable & Combustible material ge & Handling	Employee medical health checkup report.
for material handling operation	
prised / Train operator	SOP for material handling operation
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dard Operating procedure for mable & Combustible material ge & Handling	On site Emergency Plan

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	Activity / Process :			Organization - HIRA										
	Department :													
Sr.N		Routine/		5.1	Overriding Criteria	Condition		1	sessment base			0 (NO+		
о.	Sub -Activity	Non routine	Hazard	Risk	(LC) *	N/A/E*	Existing Controls	Severity	Occurance	Risk Level	Risk Score	S / NS*	Status for Action	Propose
			Inhalation of chemical vapors	Respiratory disorders	LC	A	Use of PPE, Skilled Operator.	4	2	2	16	S	Propose Additinal Control	
			Fire due to spillages of Thinner, Paint, grease, Hardner, Laquer etc	Burn Injury (Major)		E	Fire Extingisher	5	2	2	20	s	Propose Additinal Control	Standar Flammab storage &
			Splashing of Chemical during unloading & Unloading	Burn injury, Skin irritation, Loss of eye sight etc.		E	Use of Proper PPE	5	2	2	20	S	Propose Additinal Control	Standard Flammab storage 8
7	Material Unloading/Loading from Stacker / MHE (Material handeling equipments)	R	fall of material from the vehicle while unloading /loading of material	Body Injury (Major)		N	Use of PPE, safety Training	4	3	2	24	S	Propose Additinal Control	Procedur Operation
			Fall of machine tool while unloading/loading from the vehicle	Body Injury (Minor))		A	Physical Verification	3	1	2	6	NS	NA	
			slip of person due to spillage of raw material, Chemical,Grease,Wooden pallates, corrugated boxes etc	Body injury		А	Safety Display & signages	2	1	2	4	NS	NA	
			Defective vehicle/equipment	fatality		E	preventive mentenacne	4	2	2	16	S	Propose Additinal Control	On site E
			Hit by vehicle	fatality		Е	Skilled operator	5	2	2	20	S	Propose Additinal Control	On site E
			Inhalation of vehicle smoke	Respiratory Disorders		A	PUC Monitoring	3	2	2	12	NS	NA	
			Skin Exposure to dust	Skin abrasions		A	Use of PPE	3	2	2	12	NS	NA	
			Fire due to spillages of fuel	Burn injury		A	Vehicle Maintenance	3	1	3	9	NS	NA	
			Skin contact with chemical	Skin irritation / allergy		A	Use of PPE	2	2	2	8	NS	NA	
			improper handling of materials	Stresses and strains on muscles, joints, nerves, back pains		A	Safety Training	2	2	2	8	NS	NA	
			Pulling/Pushing of trolly	Stresses and strains on muscles, joints, nerves, back pains		A	Safety Training	2	2	2	8	NS	NA	
8	Movement of Hydraulic stacker & hand pallate trollyes for material movement	R	Inadvertent hitting/ dashing with humans	Body Injury(Minor))		N	Skilled Operators	3	2	2	12	NS	NA	
			Head injury due to low height stacker fork	fatality		E	Safety Training & Display	4	2	2	16	S	Propose Additinal Control	Standard Material I
			Falling of material results in body injury	fatality		E	Safety Training & Display	5	2	2	20	S	Propose Additinal Control	On site
			Breakage of wooden crates	Body Injury (Minor))		N	Trained personnel's and Random inspection of Wooden crates	3	2	2	12	NS	NA	
			Burns due to Fire	Body injury		Е	Safety Training & Display	4	2	3	24	S	Propose Additinal Control	On site E
			injury due to sharp edges	Body injury		N	Use of PPE	3	2	2	12	NS	NA	
			Fall of material from height	fatality		E		5	2	2	20	S	Propose Additinal Control	On site E
			improper handling of materials	Body Injury (Minor))		N	Skilled Operators	2	2	2	8	NS	NA	
			Over speeding of trolly,Stacker etc Overloading of trolly & stacker	fatality Body Injury (Major)		N N	Engineering control Skilled Operators	3	2	2	12 8	NS NS	NA NA	
<u> </u>			slip of person due to spillage material, Chemical,Paint, Thipper Grasse Coolant etc.	Body Injury (Major)		N	Good house keeping	3	2	2	12	NS	NA	
9	Storage and Disposal of waste	R	Object fall from height while loading of hazardous waste in the vehicle	Body Injury (Minor))		A	Step Ladder provided	3	2	2	12	NS	NA	1
			Slip of person due to spill of used on floor	Body Injury (Minor))		A	Spillage control Kit provided	3	2	2	12	NS	NA	
			Contact with sharp edges	Cut Injury		A	Use of PPE	2	2	2	8	NS	NA	
			Inhalation of dust	Respiratory disorders		A	Use of PPE	3	1	2	6	NS	NA	
			Inhalation of fumes	Respiratory disorders		A	Use of PPE	3	2	2	12	NS	NA	
			contact with hazardous substances to skin	Skin abrasions		А	Use of PPE	2	2	2	8	NS	NA	
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osed additional Controls	Remarks
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	Speed lock at 5 Km Hr

Process

	Activity / Process :			Organization - HIRA										
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Sr.N	Sub -Activity	Routine/ Non	Hazard	Risk	Overriding Criteria	Condition	Existing Controls	1	sessment base	n (with /w	vithout	S/NS*	Status for Action	Propos
о.		routine			(LC) *	N/A/E*		Severity	Occurance	Risk Level	Risk Score			
			Fire due to flammable wastes	Fatality		Е	Fire Extinguishers provided.	5	2	2	20	S	Propose Additinal Control	On site
			Storage and handling of metalic burr	Body injury		А	Use of PPE & Burr handling trolley.	4	3	3	36	S	Propose Additinal Control	Procedu
10	Storage of packing material	R	Accidents due to Possibility of	Body Injury (Minor))		А	Use of PPE	3	1	2	6	NS	NA	1
			unwinding of the strip Generation of noise due to the stripper machine	Irritaion, discomfort, headace, lost of concentration		A	Use of PPE	2	2	1	4	NS	NA	
12	Issue of s & Chemical Mannually	R	Lifting of heavy load	Back Pain		А	Proper trolly is provided	2	1	2	4	NS	NA	
			Wrong lifting method	Back Pain		A	Skilled Operator	3	2	2	12	NS	NA	<u> </u>
			Contact with chemicals	Skin irritation / allergy		N	Use of PPE	2	2	2	8	NS	NA	
			Fall of material due to slippery hands Spillage of chemicals/ may leads to	Body Injury (Minor))		A	Hand Gloves	2	1	2	4	NS	NA	
			slippery floor	Body Injury (Minor))		A	Skilled Operator	2	3	2	12	NS	NA	
13	Loading and Unloading of Cylinders	R	Fall of cylinder due to improper stands / missing chain lock	Body Injury (Major))		А	Use of proper Handling trolly	3	2	2	12	NS	NA	
			Inhalation of Inter gas in case of accidental leakage	Breathing Discomfort		А	Skilled Operator	3	3	2	18	NS	NA	
			Safety cap missing of cylinders	Body Injury (Minor))		A	Monitoring	3	1	2	6	NS	NA	
			Rolling of cylinders on ground	Body Injury (Major))		А	Use of proper Handling trolly	2	2	2	8	NS	NA	
			Dropping of cylinders from height	Body Injury (Major))		A	Follow SOP	3	1	2	6	NS	NA	
14	Material movement by trolley	R	Excessasive pulling load	Pain in muscles		Ν	Wheels provided to trolly	3	2	3	18	NS	NA	
			Slippery floor due to spillage of water/ Coolant	Body Injury (Minor))		N	Cleaning Frequency is monitored	2	2	2	8	NS	NA	
			Fall of material from trolley	Body Injury (Minor))		N	Locking provided for trollys	2	2	2	8	NS	NA	
15	Manual lifting & loading of component from trolley	R	Material slipage from hand	Body Injury (Minor))		A	Skilled Operator	2	2	2	8	NS	NA	-
	component non troney		Working without PPE	Body Injury (Minor))		A	Safety Trainings	2	3	2	12	NS	NA	
			Repetitive movements for material lifting	Body pain		N	Design pallet as per process requiement.	2	2	2	8	NS	NA	
16	Loading & Unloading, multi stacking and shifting of pallets by Stacker	R	Handling of the pallets Casually	Body Injury (Minor))		N	Instruction to operators	2	3	2	12	NS	NA	
			Defective condition of stacker	Body Injury (Minor))		A	Periodocaly checking and maintanence of Stacker	2	3	2	12	NS	NA	
			Unauthorised operator for operating stacker	Fatal accident may occur		A	Safety Trainings	2	3	2	12	NS	NA	
			Overspeeding of Stacker	Fatal accident may occur		A	Engineering control	3	2	3	18	NS	NA	
			Pallets on road & in gangway	Cut injury		N	Use of PPE's	2	3	2	12	NS	NA	
			Using mobile phone while driving Stacker	Body Injury (Major))		N	Mobile phone not allowed in the factory	3	2	3	18	NS	NA	
			Use of uncertified Stacker	Body Injury (Major))	LC	A	Reguler PM & Third Party Testing Certificate	5	3	5	75	S	Propose Additinal Control	
			Working with blocked vision	Body Injury (Major))		A	Safety Trainings	2	2	2	8	NS	NA	
			Fall of material due to improper stacking	Body Injury (Minor))		А	Safety Trainings	2	3	2	12	NS	NA	
			Toppling of stacker due to uneven ground surface	Body Injury (Minor))		A	Epoxy Ground flooring	2	3	2	12	NS	NA	
17	17.1 Assy of SS , MS & Aluminium parts	R	Contact with sharp edges	Body Injury (Minor))		А	Skilled Operator	3	2	3	18	NS	NA	
			Exposure to noise	Hearing Impairment	LC	N	Employee medical health checkup report , Noise level monitoring	, 3	3	3	27	S	Propose Additinal Control	
			Injury due to fallen parts Contact with moving parts	Body Injury (Minor)) Body Injury (Minor))		A	Use of PPE's Engineering control	3	2	3	18 12	NS NS	NA NA	
						1	Certified Equipment							+
			Use of defective equipments	Body Injury (Minor))		A	used	2	3	2	12	NS	NA	

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Noise level monitoring	

	Technologies													
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Sr.N	Sub -Activity	Routine/ Non	, Hazard	Risk	Overriding Criteria	Condition	Existing Controls		sessment base		S/NS*	Status for Action	Propos	
о.	Cub Adding	routine	Turu	Non	(LC) *	N/A/E*		Severity	Occurance	Risk Level	Risk Score	07110		
			Contact with open electrical cables	Electrocution		А	Perodically checking by maintenance person	4	3	2	24	S	Propose Additinal Control	Lo
-	17.2 Machining (Turning/ Drilling /Rolling / Cutting)	R	Contact with sharp edges	Body Injury		А	Skilled Operator	3	2	3	18	NS	NA	1
			Exposure to noise	Hearing Impairment	LC	N	Employee medical health checkup report , Noise level monitoring	2	2	2	8	S	Propose Additinal Control	
			Injury due to fallen parts	Body Injury (Minor))		А	Use of PPE's- Safety shoes	3	2	3	18	NS	NA	
			Use of defective equipments	Body Injury (Minor))		А	Certified Equipment	2	3	2	12	NS	NA	
			Contact with open electrical cables	Electrocution		A	Perodically checking by maintenance person	4	3	2	24	s	Propose Additinal Control	Lo
			Contact with machine moving parts	Body Injury (Major))		А	Engineering control with buzzer, Safety photoguards, safety door	4	2	3	24	S	Propose Additinal Control	OCP f
	17.3 Hydro Testing process	R	Contact with sharp edges	Body Injury		A	Skilled Operator	3	2	3	18	NS	NA	
			Excess Pressure	Bursting of Vessel		N	Pressure controlled by Manually.	5	3	2	30	S	Propose Additinal Control	Use
			Injury due to fallen parts	Eye Injury		A	Use of PPE's- Safety shoes	2	2	2	8	NS	NA	
			Use of defective equipments	Body Injury		А	Certified Equipment used	2	3	2	12	NS	NA	
	17.4 MS & SS Parts Finishing	R	Contact with sharp edges	Body Injury		А	Skilled Operator	2	2	2	8	NS	NA	
			Exposure to noise	Hearing Impairment	LC	N	Employee medical health checkup report	2	3	2	12	S	Propose Additinal Control	
			Injury due to fallen parts	Eye Injury		А	Use of PPE's- Safety shoes	2	2	2	8	NS	NA	
			Contact with moving parts	Body Injury		A	Engineering control	2	3	2	12	NS	NA	
			Use of defective equipments	Body Injury		А	Certified Equipment used	2	3	2	12	NS	NA	
18	Welding Process (TiG & Mig)	R	Contact with open electrical cables	Electrocution		А	Perodically checking by maintenance person	4	3	2	24	S	Propose Additinal Control	Lo
			Contact with machine heating parts	Body Injury (Major))		А	Use of PPE's- Safety shoes, Hand gloves	4	2	4	32	S	Propose Additinal Control	
			Use of defective equipments	Body Injury (Major))		А	Certified Equipment	2	3	2	12	NS	NA	
			Injury due to welding light	Body Injury (Major))		А	Use of PPE's- Safety	3	2	3	18	NS	NA	
			Injury due to fumes	Body Injury (Major))		A	shoes Use of PPE's- Safety	4	2	5	40	S	Propose Additinal	
19	Buffing	R	Contact with open electrical cables	Electrocution		A	shoes Perodically checking by maintenance	4	3	2	24	s	Control Propose Additinal Control	Lo
			Contact with moving parts	Body Injury		A	person Engineering control	2	3	2	12	NS	NA	
			Use of defective equipments	Body Injury		А	Certified Equipment used	2	3	2	12	NS	NA	
			Injury due to buffing particle	Eye Injury		A	Use of PPE's- Safety shoes, Hand gloves,Goggles	4	2	3	24	S	Propose Additinal Control	
20	Vehicle entry & parking	R	Speedy entry of Vehicle in the premises	Accident & Fatality		A	Security instruction check provided, Speed Limit sign board displayed	2	1	2	4	NS	NA	
			Difficulty in Removal of Vehicles in emergencies	Accident & Fatality		A	Vehicles parking in Take off Mode	3	1	2	6	NS	NA	
			Hit by vehicle while going Reverse direction	Accident & Fatality		A	Reverse Horn Indicator provided on each Vehicle	2	1	2	4	NS	NA	

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oosed additional Controls	Remarks
Lock out tag out procedure	
Noise level monitoring	
Lock out tag out procedure	
P for machining, drilling, milling.	
se Pneumatic controlled Pump	
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Noise level monitoring	
Lock out tag out procedure	
Welding Procedure	
Fume extactor	
Lock out tag out procedure	
Buffing Procedure	

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	Activity / Process :			Organization - HIRA										
	Department :													_1
Sr.N	Sub -Activity	Routine/ Non	, Hazard	Risk	Overriding Criteria	Condition	Existing Controls	1	sessment base isting situation			S/NS*	Status for Action	Propos
о.	Sub-Activity	routine	Tazaru	NISK	(LC) *	N/A/E*		Severity	Occurance	Risk Level	Risk Score	07100	Status for Action	Topos
			Uneven parking space/floor	Falling of Two Wheeler in Parking area.		A	Levelled space & Demarcation provided.	2	1	2	4	NS	NA	
21	Routine Cleaning	R	Splashing of Cleansing Agent on to Body	Irritation to Skin		A	Use of PPE's	2	2	2	8	NS	NA	
			Spillage of water from the bucket by house keeping person	Body injury due to Falling of Human Being		A	Use of Wet Floor Sign boards during cleaning Cleaning Machine provided & insructed to use wet mopping.	2	2	2	8	NS	NA	
			Falling during Dusting of Tube Lights & Fans	Body injury to housekeeping person		N	Use of balanced ladder - Trained house keeping staff - Use of PPE	1	2	3	6	NS	NA	
			improper handling of Cleaning equipment	Stresses and strains on muscles, joints, nerves, back pains		N	Follow SOP of material handling - Material Handling equipment provided	2	2	2	8	NS	NA	
			Exposure to germs while Cleaning of toilets	effect onHealth		A	Use of PPE's	4	2	2	16	S	Propose Additinal Control	Employ
			Contact with chemicals	Irritation to Skin		A	Use of PPE's	2	2	2	8	NS	NA	
			Skin Exposure to dust while cleanning	Skin abrasions		N	Use of PPE's	2	2	2	8	NS	NA	
			Unhygenic condition due to non Cleaning of Drinking water supplies	Health Hazard	LC	A	Testing report & Cleaning frequency define checklist	2	1	2	4	S	Propose Additinal Control	Water te
22	Collection of wastes from dustbins	R	Contact with hazardous waste	Skin Problem while handling		A	Use of PPE	2	2	2	8	NS	NA	
			Mixture of hazardous & non- hazardous waste	Skin Problem while handling		A	Use of PPE	2	2	2	8	NS	NA	
			Exposure with Hazardous waste fumes	Respiratory disorders	LC	A	Use of PPE	2	2	2	8	S	Propose Additinal Control	Procedu Hazardo
23	Transportation of the Waste from plant (Office) to Scrap Yard		Handling of Hazardous waste with Naked Hands	Skin Problem while handling		A	Proper Waste bins are provided & Use of PPE	2	2	2	8	NS	NA	
			Strain associate with manual lifting scrap	Stresses and strains on muscles, joints, nerves, back pains		A	Use of mechanical lifting equipment.	2	2	2	8	NS	NA	
			slip of person due to spillage of Thinner, used oil, coolant, grease,piant , paint sludge on floor	Body injury		А	Cleaning of shop floor space	2	2	2	8	NS	NA	
24	5s of Passages & Floors	NR	Improper Size / Width of Passage causes Stampede during emergency situation	Human Injury / Fatality		A	Gangway Marking	2	1	2	4	NS	NA	
			Blockage in the passage causes Stampede during emergency situation	Human Injury / Fatality		А	Safety display board are provided.	2	1	2	4	NS	NA	
25	Canteen (Lunch room) activities	R	Slip of person due to spill of water	Body injury		А	Cleaning of floor space	2	2	2	8	NS	NA	
			Contact with sharp edges of Tables while cleaning	Cut Injury		А	Use hand gloves & Taken care during purchase	2	2	2	8	NS	NA	
			Presence of reptiles / flies in area	Unhygenic food could lead to Food Poisioning etc		A	Cleaning of lunch room daily	3	2	1	6	NS	NA	
			Contact with hot material	Burn Injury		A	Do's & Don't's displayed in canteen.	3	3	2	18	NS	NA	
			Cut from sharp materials such as knife etc	Cut Injury		A	Do's & Don't's displayed in canteen.	3	3	2	18	NS	NA	1
			Accidental contact with electrical appliances	Electrocution to the member		A	MCB provided	2	2	2	8	NS	NA	1
			Exposure of hot fumes & Gases during cooking	Health illness		A	Fume extraction system provided.	2	2	2	8	NS	NA	1
26	Maintenance of gardens	NR	Exposure to sharp material	Cut injuries on body		A	Use of PPE's	2	2	2	8	NS	NA	1

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edure for Handling & disposal of rdous waste	Medical Health Check up

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	Department :														
Sr.N o.	Sub -Activity	Routine/ Non routine	Hazard	Risk	Overriding Criteria (LC) *	Condition	- Existing Controls		sessment base isting situation Occurance	n (with /w Risk	rithout Risk		Status for Action	Proposed additional Controls	Remarks
			Snake/scorpian/ Bee Bite	Body Poisioning/ Fatality		E	Tie-up with Local Hospital near by Plant	2	2	2	Score 8	s	Propose Additinal Control	On site emergency plan	
27	External hazards	NR	Flood in the area	Risk of life & property		E	Administrative Control	2	2	2	8	S	Propose Additinal Control	On site emergency plan	
			Earthquake	Risk of life & property		E	Onsite emergency Plan	2	2	2	8	S	Propose Additinal Control	On site emergency plan	
			Fire in near by area	Life & property loss		E	Onsite emergency Plan	2	2	2	8	s	Propose Additinal Control	On site emergency plan	
			Landslide in the area	Life & property loss		E	Onsite emergency Plan	2	2	2	8	S	Propose Additinal Control	On site emergency plan	
			Disease affecting the near by areas such as malaria, dengu, flu etc	Health problem		A	Routine Pest control & Administrative Control	3	1	2	6	NS	NA		
			Disobeying traffic rules and regulations	Accident which may lead to loss of life		A	Refer Do's & Don'ts & display of road safety signages.	3	1	2	6	NS	NA		
28	Employee Transportation Passenger Buses / Car)		Not correct distribution of employees in buses	Human Discomfort & chances of accident.		A	Awareness training about bus route given to driver. Bus route timing displayed	2	2	2	8	NS	NA		
			Driver rash driving	Human Injury		А	Warning to be display on Bus	2	2	2	8	NS	NA		
			Bus fitness is not OK	Human Injury		A	Vehicles fitness certificate	2	2	2	8	NS	NA		
			Driving vehicle under influence of drug	Major Accident		A	Checking with breath analyser	2	1	2	4	NS	NA		
29	Security Management		getting hit by uncontrolled vehicle	Body Injury		A	Safety Rule & Speed limit display board are provided.	2	1	3	6	NS	NA		
			Attack by intruders	Body injury		A	Provision of cane stick for the guard for defence, provision of siren,telephonic access to the control room of security services, police control room	2	1	2	4	NS	NA		
			Culprit or Terrorist abuse / Carrying unauthorised wepon	Life & property loss		A	Checking manually	3	1	2	6	NS	NA		
30	Norking on computer	R	Radiation from monitors	Eye Injury		N	Ergonomicaly Fit Chair to be purchase	2	1	2	4	NS	NA		
			Continuous sitting on chair	Back ache/Head Ache		N	Ergonomicaly Fit Chair to be purchase	2	2	2	8	NS	NA		
		1	Use of defective chair	Body Pain/Muscle pain		A	Ergonomicaly Fit Chair to be purchase	3	2	2	12	NS	NA		
			Contact with naked / damaged electrical cables	Electrocution		A	Perodically checking by maintenance person	2	2	2	8	NS	NA		
			Hit to cupboard	Body injury		A	Taking care while walking	2	2	2	8	NS	NA		
			Finger caught in between Drawers	Finger Injury		A	taking care while opening	2	2	2	8	NS	NA		
			Fire due to short circuit	Burn Injury		A	MCB protection provided	2	1	1	2	NS	NA		
			Extra time work	Body pain/stress		N	Proper activity planning	2	1	2	4	NS	NA		
			Conflicting demands	Depression/Frustration		A	Proper activity planning	2	1	2	4	NS	NA		
31	Visit at vendor / supplier / Customer site	R	Exposure to extreme weather condition	Sickness Accrued		A	Safety Instructions	2	1	3	6	NS			
		1	Low illumination during driving	Accident Accrued		A	Safety Instructions	2	1	3	6	NS			
			Exposure to noise of vehicle	Head Ache		A	PM of vehicle	2	2	1	4	NS			
			Use Of Defective Vehicle	Body injury		A	PM of vehicle	2	2	1	4	NS		+	
 		-		Body pain Body pain		N N	PM of vehicle Take Rest Inbetween	2	1 2	3	6 8	NS NS		+	+
		1	Using Mobile Phones While Driving						~						
			Whether Hand-Hold-Free.	Accident Accrued		A	Follow Traffic rule	2	1	3	6	NS			

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о.	Sub-Activity	routine	ΠαΖαΓΟ	RISK	(LC) *	N/A/E*		Severity	Occurance	Risk Level	Risk Score	37 113	Status IOF ACTION	Prop
			Driving Without Safety Equipment	Accident Accrued			Use of safety belt & Safety helmet	3	1	3	9	NS		
			Carrying And Moving with Material	Stress and strain on muscles,joints,nerves,ba ck pain		A	Follow Traffic rule	3	1	3	9	NS		
	Legend LC : Legal Concer	n, N:Norm	 nal ,A:Abnormal E:Emergency, S;Signifi	cant ,NS:Not Significant										

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