Title: Hazard Identification, Risk Assessment and Risk Control for Complete Piping Project Plant: Suspension Division K228 (Aurangabad)

NUMBER OF PERSONS: 7 Sr No WORK METHOD STATEMENT Customer _ & Accessories) Unloading Of Material :- M/S Endurance Technology Limited (Pipes Activity Unloading and stacking of material at NT INDIA 05E Project site from Subactivity the truck PRIVATA Routine Routine Routine Non Hand Tools, Lifting Pallets, Pipes, Fittings, Hydra/Forklift etc. CINITED OHSAS 18001(2007) Material/ Chemical / Machines/ Equipment Joints . involved Contract Type of Person ent/Tem (Perman porary/ T/C 9 wrong) PH/C/EL/ER/ME on joints(hands or ER : Back pain, (What can go especially on feet or toes PH: Falling of OHS hazards material on bodyparts legs) pain material. While lifting, carrying Act : Careless Situation/Act handling of accessories Improperly carried Act carrying it. material at placing of Pipes and Material Source Source / its plac 9 EM N Z z Severe injury to any body part where the object severity of injury or ill health (without existing Severe backache or material falls especially feet or pain at control) joints. GLOSENT INDIA PVT.LTD. Section 7A requirement Yes Yes Legal Sec 28 of FA Other Z Assessment w/o existing control S Moderate (2) Moderate(2) Likely(3) N Likely (3) (S*P) Significant(6) Significant(6) ProperSupervision, Trained Person SafetyGoggle, Safety Helmet. and strong mechanical shouldbeprotectedbyside guards if the flat bed trailer is used to C: Inspected and certified lifting WMS/ Glosent/Sr. No.1/Rev. No. Safety Shoes, Hand Gloves, Safety Goggl techniques should be followed, possible. D: Proper manual lifting wherever C: Proper usage of lifting pallets Safety Shoes, Hand Gloves, provided, Peopleshould not come should be barricated druing Proper stacking of pipes, area SOP pallets, ToolsInspection, Supervision, Trained Person wherever possible. D. Proper usage of lifting pallets along withproperlashing, Proper partitionbehind the driverscabin transport thepipe then the pipes hands used to balence the load in stead of Line to be tools and tackles to be used, Tag SOP, pallets, Tools Inspection, E: under the raised load, E: unloading, Signal Man should be [OCP, checklist, guidelines etc.] doc. No. B Existing control & in use В and punchline 0 D D 01 П Assessment with S moderate(2) moderate(2) risk existing control Highly unlikely(1) D Highly unlikely(1) (S*R) Acceptable (2) Acceptable (2) ent S I / NS Result SN SN Prioritization of with risk (N/Y) < ~ N/K) z Z take OMP otherwise risk control training etc measures needed. Additional columns If 'Y' in OCP. both NA NA OCP,S Refere ce of

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Modelle

OVERALL PIPELAYING WORK AT SITE

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RIVATA	Moment within the Plant	Drilling	Welding of material	Grinding of piipes
ATM.	Routine	Non	Non Rountine	Non
1	Overhead objects	Drill Machine	Welding machine	Grinding Machine
	Р/С/Т	Р/С	P/C	P/C
-	PH: Risk of objects falling over head. Tripping due to objects lying on the ground	PH : Improper use of drill machine	PH : Burn Welding injury.inhalation Machine. A cof poisenous improper gases.exposure handling. less of naked eyes to knowledge or welding welding welding	PH : Severe Cut injury to hands or fingures
ground	Source: Overhead objects objects lying on the ground. Act Falling of objects overhead or on legs. tripping n falling due to objects kept on	Source : Drilling achine Act.Imroper handling.less knowledge or experience of drilling	Source: Welding Machine Act Improper handling, less knowledge or experience of welding	Source: Grinding machine. Act: Improper method of grinding. Non usage of machine Guard
	z	AB	₽B	AB
	Injury due to falling of object on body parts.	Injury to eyes due to dust & burs entering the eyes, Injury to hands or fingures	Severe Burn injury, inhalation of poisenous gases, loss of vision due to continusous exposure of naked eyes to welding	Physcal hazard (Cut injury, abration of skin) to body parts mainly hands & fingers
	Yes	Yes	¥es	Yes
1	<u>Z</u>	<u>≅</u>	<u>Z</u>	<u>Z</u>
	Moderate92)	Moderate(2)	Serious(3)	Moderate (2)
Ī	Likely(3)	UnLikely(3)	Unlikely(2)	Likely(3)
		Significant(6)	Significant(6)	Significant(6)
	D: Sinages and warning board ar regarding work done nearby is to be provided. Safety Shoes, Hand gloves, safety goggles, helmets.	C: Drilling machine should be ISI certified apropriate drill bit to be ensured for respective size of hole Supplyfrom ELCB.D: Well trained and experiencedworkmen to perform the job. E: Safety Shoes, Hand gloves, safety goggles, mask	A B C D E C-Proper certified machine to be used. D: Well trained and experienced workmen to perform the job Conenctionfrom ELCB. Proper housekeeping in thearea. Hot workpermit from client. Fire extinguisher and sand bucket. Protection from weldingspatters, proper earthing. Safety shoes. Hand gloves, safety goggles, weldinghelmet, leather gloves and apron, mask	A B C d E C- Grinding wheel to be installed withrespect to the matchine propergrinder guard tobe installed connection from ELCB, 3 core Cable , Proper Earthing , D-Well trained and experienced workmen to perform thejob, machine to be inspected with regards tosafety. Proper housekeeping in the area Hot work permit from client Fireextinguisher and sand bucket, TightGloves, safetyshoes, Safety Helmet.
	Moderate(2) Moderate(2)		Serious (3)	Minor(2)
	Highly unlikely(1) Highly unlikely(1)		Highly Unlikely(1)	Highly Unlikely(1)
	Acceptable(2) Acceptable(2)		Moderate(3)	Acceptance(2)
	N.	N N	S	S
	z	~	٠	~
	~	~	≺	~
		Proper sfety training to be providede to the workmen and the supervisor.	Proper safety training to be providede to the workmen and the supervisor	Proper saftey training to be provided to the workmen and supervisor

POWER SHOVELS. SHOVELS, FAIling Routine Stockfling Routine (inhalation, ingestion), EL- Electrical Hazard (Shock, Heat, Fire), ME. Mechanical (Tension, Compression, Routine), Exposed source: deep beathing related exposed e			
POWER SHOYELS. AUGERS. Backfilling Routine SLEGE HAMMER, Augering of Light Masks should be used to avoid male and should be placed on firm a male and should be placed on firm and male and lass should be placed on firm a male and should be placed on firm and male and lass and the placed on firm and untility lines. Power lines and the placed on firm and untility lines are should be taken for deep becaration. Sical Hazard (Force Noise), C. Chemical Hazard (Inhalation, Ingestion), EL- Electrical Hazard (Shook, Heat, Fire), ME, Mechanical (Tension, Compression, Rolation, Reciprocation, Impact) Cutting), ER- Ergonomic Hazards (Uffitz).	PH- Phy		
Excavation & Non AUGERS. Backfilling Routine SLEGDE HAMMER. Backfilling Routine SLEGDE PAINS. Backfilling Routine SLEGDE HAMMER. Backfilling Routine SLEGDE	sical Hazard (F	Civil Works	
Inhalation of toxic gas if exposed Excavated Source: deep Breathing related SHOVELS. Non AUGERS. P/T/C worker Accidental Manding severing of banding especially feet. Non AUGERS. P/T/C worker Accidental material severing of utility lines power lines power lines. Non AUGERS. P/T/C worker accidental material severing of utility lines or power lines power lines. Non AUGERS. P/T/C worker accidental material severing of banding especially feet. Non AUGERS. P/T/C worker utility fine or power where the object material falls care should be lacked on firm at a line in path of excavation. Bet accident and material severing of banding especially feet. Non AUGERS. P/T/C worker utility fine or power of material falls care should be taken for deep excavation. Bet accident and the path of the formation and the figure of power lines in path of excavations. Bet accident and the path of the formation and the figure of power lines in path of excavations. Bet accident and the path of the formation and the figure of power lines in path of excavations. Bet accident and the path of the fighting of the formation and the figure of power lines in path of excavation and the path of the fighting of the figure of power lines in path of excavation and the path of the fighting of the figure of power lines in path of excavation and the path of the fighting of the figure of power lines in path of excavation and the path of the figure of power lines in path of excavation and the path of the fighting of the figure of power lines in path of excavation and the path of the figure of power lines in path of excavation and the path of the figure of power lines in path of excavation and the path of the figure of power lines in path of excavation and the path of the figure of power lines in path of excavation and the path of the figure of power lines in path of excavation and the path of the figure of power lines in path of excavation and the path of the figure of power lines in path of excavation and the path of the figure of power lines in path o	Force, Noise), C	Excavation & Backfilling	
POWER	Chemic		
Inhalation of loxic gas if exposed excavation, or equipment of falling on worker Accidental severing of underground utility lines power lines power lines and lines power lines are lined to material falls especially feet. PITIC worker Accidental severing of underground utility lines power lines are lines power lines and lines in proper where the object especially feet. PITIC worker Accidental severing of underground utility lines power lines are should be used to avoid inhalation of toxic gases. Exavated at material should be placed on firm and in proper where the object especially feet. PITIC worker and the proper of the placed on firm and in proper where the object especially feet. PITIC worker and the placed on firm and in proper of t	al Hazard (Inha		
Inhalation of toxic gas if exposed source: deep Breathing related excavated soil excavation. Inhalation of toxic gas if exposed source ideep Breathing related excavation issues. Severe care falling on human error, part miproper where the object material severing of underground utility lines power lines power lines power lines power lines power lines and part of excavation. Et Electrical Hazard (Shock. Heat, Fire), ME- Mechanical (Tension, Compression, Rotation, Reciprocation, Impact, Cutting). ER- Ergonomic Hazards (Liftir Store).	lation, Inge	РПС	
source : deep Breathing related excavation, issues, Severe collapse, injury to any body human error, part where the object material ralls handling especially feet. Masks should be used to avoid inhalation of toxic gases. Excavated inhalation of toxic gases. Excavated grounds inspection of trench and grounds inspection of trench and care should be taken for deep excavation. Extra Signature in the collapse in material should be placed on firm grouper where the object or material falls in severe utility line or power of grounds in spection of trench and care should be taken for deep excavation. Extra Signature in the cords in the cords in the cords in the cords in the cords. Training on fire fighting in the cords in the cords in the cords in the cords. Training on fire fighting in the cords in the cords in the cords in the cords. Training on fire fighting in the cords in the cords in the cords in the cords. Training on fire fighting in the cords in the cords in the cords in the cords in the cords. Training on fire fighting in the cords in the cords in the cords in the cords in the cords. Training on fire fighting in the cords in the cord in the cords in the cord in the cords in the cord in the	stion), EL- Electric	Inhalation of toxic gas if exposed. Excavated soil or equipment falling on worker. Accidental severing of underground utility lines/power lines	
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Highly Unlikely Acceptable	omic Ha		
Acceptable	rzards (
σ́	Lifting.	пооршин	

Civil Works		
Excavation & Backfilling	During Rainy Season	Working within plant- Welding, drilling grinding etc.
Non	Non	Routine
POWER SHOVELS. AUGERS. SLEGDE HAMMER. PANS	Water Logging, Meter panel, Extension panel, welding machine/ Grinding m/c,	machine, grinding machine, drilling machine, working in office etc
РПС	РЛС	P/C
Inhalation of toxic gas if exposed. Excavated soil or equipment falling on worker. Accidental severing of underground utility lines/power lines	Risk of Falling in trench /Shock due to naked connection	PH : Fire
source : deep excavation, collapse, human error, improper material handling	Source : open trench, Spark ,doing welding , Situation : Loose connection	Source : Spark duing welding unsafe Housekeeping Situation : Loose connection
	AB	Eme rge ncy
Breathing related issues, Sewere injury to any body part where the object or material falls especially feet.	injury due to falling in trench/ due to shock	Saviour injuries can occur with huge property damage
Yes	Yes	Yes
<u>Z</u>	<u>Z</u>	<u>z</u>
Seriously	Seriously	Serious
Unlikely	Unlikely	Unlikely
Masks should be used to avoid inhalation of toxic gases. Excavated material should be placed on firm grounds. Inspection of trench and check for severe utility line or power lines in path of excavation. Extra care should be taken for deep excavations.	D. Sinages and warning board regarding work done nearby is to be provided. C.: ISI. Approved Electrical Fittings, Rubber mating below meterpanel. Extinguishers & Sand Buckets, Fire Blankets, Fire Resistant Interiors D.: Proper Housekeeping, Switch SupplyBefore Leaving, Mange Cables Properly, Do Not Over Load Sockets, Do Not Push hard or pull the cords, Training on fire fighting	C: ISI Approved Elrical Fittings and computer accessories. Fire Extinguishers & Sand Buckets, Maintenance of PC, interiors D: Proper Housekeeping. Switch SupplyBefore Leaving. Mange Cables Properly. Do Not Over Load Sockets. Do Not Push hard or pull the cords. Training on fire fighting
Moderate	Moderate	Moderate
Highly Unlikely Acceptable	Highly Unlikely Acceptable	Highly Unlikely Acceptable
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Z _O	So .	NS .
Z	N _A	×
Z	×	Z >
		Smoke detecto





GLOSENT INDIA PRIVATE LIMITED

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TRAINING ATTENDANCE SHEET

Venu	e: - GLOSENT	INDIA PRIVATE LIMITED	FACTORY			
Date	of Training: -	18.01.2023	Timing: - 10:00 AM Duration: - 3 Hours			
Program Title Trainer			: Hira Hazardous Identification and Risk Analysis : Harshal Patil			
Subject: 1) Work Permit Awareness.			2) Safety work planning			
Sr				~		
No	Emp. Code	Employee Name	DESIGNATION	Department	Sign.	
1.	G000030	Pravin Gade	Project Engineer	Production	P. Spall.	
2.	G000047	Atul Mirgane	Project Engineer	Production	Anni Et	
3.	G000019	Basant Chauhan	Fitter/Welder	Production	0 0%	
4.	G000040	Sonu Chauhan	Fitter	Production	Sony Charles	
5.	G000026	Vikas Chauhan	Welder	Production	Hanish All	
6.	G000048	Dharampal Chauhan	Helper	Production	of compe	
7.	G000044	Sunny Deol Chauhan	Welder	Production	Sunnydeol chan	
1.		Chachaeth Chauban	Fitter	Production	Your Lees 22	
8.	G000043	Sheshnath Chauhan	TILLET	Troduction	- Dark (

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