

HAZARD IDENTIFICATION AND RISK ASSESSMENT

SECTION - 1

ACTIVITY NAME	SURVEY WORK
COMPANY / VENDOR NAME	INNOVATORS FAÇADE SYSTEMS LTD

ASSESSMENT DETAILS		PERSONS CARRYING OUT ASSESSMENT			
Risk Assessment Reference #	IFSL-MHL-RA-01	PREPARED BY:		REVIEWED BY:	APPROVED BY:
Assessment Date	26.08.2022	Name:	Mr. JITENDRA PAL	Mr. AKHILESH SINGH	
Revision No.	01	Designation:	Project Engineer	Asst.Safety Manager	
Method Statement Reference #	NA	Signature:			

SECTION - 2

A	Likelihood (Occurrence)	B	Severity (Injury)	C	Risk Rating (Matrix)					D	RISK CATEGORY	E	RISK CONTROL MITIGATION TYPE					
1	Rare	1	Insignificant	Severity	5	5	10	15	20	25	1 - 5 Low	L	=Low risk	E	Elimination			
2	possible	2	Minor		4	4	8	12	16	20				6 - 15 Medium	M	= Medium risk	R	Reduce/Substitution
3	likely	3	Moderate		3	3	6	9	12	15	16-25 High	H	= High risk				I	Isolate/Engineering Controls
4	Often	4	Major		2	2	4	6	8	10							D	= High risk
5	Almost certain	5	Catastrophic		1	1	2	3	4	5			P	PPE				
Activity Type- Routine					1	2	3	4	5					D	Discipline			
					Likelihood													

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S = Severity of injury & L = Likelihood of occurrence **Risk Rating score (RR) = S x L** **Risk Category (RC) 1-5: Low ,6-15: Medium, 16-25: High**

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SR NO.	SUB ACTIVITY	HAZARDS <i>Source, situation, or act with a potential for harm in terms of human injury/ill health or a combination of these</i>	HARM <i>What? Type of Injury/ill health</i>	Risk Category (RC)			Risk Category (RC)	CONTROL MEASURES <i>Measures to minimize the harm related to hazard and in following sequence for each hazard.</i> <i>Opportunity:</i> <i>Engineering Control:</i> <i>Administrative Control:</i> <i>Personal Protective Equipment:</i>	RESULTANT RISK RATING (RRR)			Risk Category (RC)
				S	L	RR			S	L	RR	
				1	Mobilization of manpower	Unskilled/Untrained			Personal injury Property damage	3	4	

HAZARD IDENTIFICATION AND RISK ASSESSMENT

2	Unwanted material situated at work area	Slip,trip,fall hazard	Personal injury, Property damage	4	4	16	High	<ul style="list-style-type: none"> • Work area should be clean before starting work. • Use safe work method during shifting of unwanted material. • Safety Induction should be given to all workers. • Safety training shall be provided • Skilled man power to be deployed. • TBT/ Training shall be given by supervisor/engineer before start of activity. • Proper illumination should be done • PTW should be mandatory • communication should must be effective • PPES to be worn at all time. • Provide shoulder pad and all necessary PPE's while shifting of material. 	3	1	3	LOW
3		Lack of Illumination	Personal injury, Property damage	4	3	12	Medium	<ul style="list-style-type: none"> • Work area should be clean before starting work. • Proper illumination should be done • Night work should be restricted • PTW should be mandatory • Safety Induction should be given to all workers. • Safety training shall be provided • Skilled man power to be deployed. • TBT/ Training shall be given by supervisor/engineer before start of activity. • PPES to be worn at all time. • Proper PPE'S should be providing to staff / worker. 	4	1	4	Low

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	Survey work on floor & Near edge area	Unprotected manholes, cut outs & floor edges	Personal injury, Property damage	4	4	16	High	<ul style="list-style-type: none"> • While working near floor edge provide adequate fall protection arrangement. • Life line & safety harness must have worn while working on floor edge. • Supervision must be provided at all time. • Proper coordination between workers. • Provide fall protection, prevention system during working at height. • All manholes should be protecting from hard surface. • Tool box talk should be carried out start of each shift regarding any height work at site. • The entire worker to be under gone through medical test for not having a height phobia. • Supervision must be provided at all time. • PTW system must be followed. • Before start of work all material should be checked. • All personal protective equipment helmet, jacket, cotton hand gloves, goggles, dust mask must be provided. 	4	1	4	Low
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HAZARD IDENTIFICATION AND RISK ASSESSMENT

5		Fall of person/ material	Personal injury, Property damage fatality	4	5	20	High	<ul style="list-style-type: none"> • Provision of proper lifeline & FBH as per the applicable standards and legal requirement • Wearing Full body harness and anchored in strong object before starting work on floor edge. • Tool box talk should be carried out start of each shift regarding any height work at site. • All the worker to be under gone through medical test for not having a height phobia. • Supervision must be provided at all time. • PTW system must be followed. • Before start of work all material should be checked. • Training and briefings to the workers and surveyor & helper • Use only inspected full body harness. • Only trained worker shall be allowed for working on floor edge. • All personal protective equipment helmet, jacket, cotton hand gloves, goggles, dust mask must be provided. 	4	1	4	Low
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6		High wind pressure	Personal injury, Property damage	3	4	12	Medium	<ul style="list-style-type: none"> • Provision of proper lifeline & FBH as per the applicable standards and legal requirement • Prior start to work check the the wind pressure with anemometer and maintained record. • Tool box talk/Training should be carried out start of each shift regarding any height work at site. • All the worker to be under gone through medical test for not having a height phobia. • Supervision must be provided at all time. • PTW system must be followed. • Before start of work all material should be checked from flr edge. • Training and briefings to the workers and surveyor & helper • Use only inspected full body harness. • Don't allowed workers on flr edge during high wind pressure. • Be communicating about Assembly point. • All personal protective equipment helmet, jacket, cotton hand gloves, goggles, dust mask must be provided. 	3	1	3	Low
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7		Slips and Trips	Personal Injury	4	5	20	High	<ul style="list-style-type: none"> • Access must be cleared from obstruction. • Wet surface must be dried up prior start of work. • Three point contacts must be maintained on ladders. • Electricables must be routed overhead cleared from access. • Caution board display at location • Use only safe technique while shifting material from one place to another place. • All workers will be trained in the correct and safe manual handling techniques. • Display signs board at workplace and near access. • Training/TBT must be conducted daily, weekly basis etc. • Emergency cont. Numbers display at workplace • PPES to be worn at all time. • Safety Helmet, safety shoes, Hand gloves, and solder pad must be used with basic PPES. 	4	1	4	Low
		Lack of the Communication	Person injury Property damage	4	3	12	Medium	<ul style="list-style-type: none"> • Use warlike talkie for communication propose • Proper communication must be effective. • Display signs board at workplace and near access. • Training/TBT must be conducted daily, weekly basis etc. • Emergency cont. Numbers display at workplace • Be communicating about Assembly point. 	4	1	4	Low