

HAZARD IDENTIFICATION AND RISK ASSESSMENT

SECTION - 1

ACTIVITY NAME	Panel installation by winch and cradle
COMPANY / VENDOR NAME	INNOVATORS FAÇADE SYSTEMS LTD

ASSESSMENT DETAILS		PERSONS CARRYING OUT ASSESSMENT			
Risk Assessment Reference #	IFSL-MHL-RA-02	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							P	= High risk
5	Almost certain	5	Catastrophic		1	1	2	3	4	5	D	= High risk	D	Discipline				
Activity Type- Routine					1	2	3	4	5									
					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									
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									
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>			RESULTANT RISK RATING (RRR)			Risk Category (RC)
				S	L	RR		S	L	RR				

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1	Drilling work by hammer drill machine	<ol style="list-style-type: none"> 1. Fall of materials. 2. Poor ergonomics 3. Rotating parts 4. Electricity 5. Noise 6. Vibration 	<ol style="list-style-type: none"> 1. First Aid 2. Minor injury 3. Property damage 	4	3	12	Medium	<ol style="list-style-type: none"> 1. All work at height will be subject to start after work permit 2. Maintaining Electrical tools, Protective devices and clothing, Protect cable from physical damage 3. All portable electrical tools having plug tops and cables are over-routed above 2.0 mtr height 4. Provide Fall Protection System 5. Electrical tools connected through RCCB's/ELCBs having sensitivity of 30 mA 6. All power tools are inspected before use and tags are provided 7. Workers who will going to work must be trained 8. All work should be carried out under the supervision 9. Daily Tool Box Talk & Job Specific Training Should Be Conducted 10. PTW system should be followed 11. Appropriate PPE's should be provided like Safety Helmet, Shoes, Full Body Safety Harness) Required equipment as per work condition. 	2	1	2	Low
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2	Bracket fixing	<ol style="list-style-type: none"> 1. Fall of materials 2. Poor ergonomics 	<ol style="list-style-type: none"> 1. First Aid 2. Minor injury 3. Property damage 4. LTA/ reportable 	4	4	16	Medium	<ol style="list-style-type: none"> 1. All work at height will be subject to start after work permit 2. Beneath area is barricaded and cautionary board is displayed in local language to keep the workmen away from the material falling zone 3. Ensure all hand tools and other materials tied by nylon rope\ 4. Bracket should the off system to be implemented 5. Safety nets to be provided wherever possible 6. Workers who will going to work must be trained 7. All work should be carried out under the supervision 8. Daily Tool Box Talk & Job Specific Trading Should Be Conducted 9. Appropriate PPE's should be Provided 	2	1	2	Low
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3	Lifting & fixing of panel	<ol style="list-style-type: none"> 1. Fall from height, fall of materials 2. Electricity 3. Lack of communication or management control 4. Poor ergonomics 5. Mechanical material handling 	<ol style="list-style-type: none"> 1. First aid 2. Minor injury 3. Property damage 4. LTA/reportable 	4	4	16	MEDIUM	<ol style="list-style-type: none"> 1. All work at height will be subject to start after work 2. Mechanical condition of the crane shall be inspected before the operation of the crane which includes inspection of limit switches, interlocks and other safety device will all parts of the crane 3. Load chart of the crane shall be displayed after the deployment and training for the crane operator shall be conducted on the same 4. Wind pressure shall be monitored before material handling with the help of anemometer 5. Tagline/guide ropes shall be tied to the lifting materials to avoid collision with other structures. and 4 no workmen will be deployed at the bottom to guide/control the load 6. Effective communication of signal ling shall be implemented with handheld transceiver. 7. Workers who will going to work must be trained 8. All work should be carried out under the supervision 9. Daily Tool Box Talk & Job Specific Training Should Be Conducted 10. Appropriate PPE's should be Provided 	2	2	4	LOW
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