

ACTIVITY-BASED RISK ASSESSMENT FORM

Company :	RR MAINTENANCE FACILITY SERVICE SDN BHD	Conducted by: (Names, Designations) (Date)	Abdul Latif Mohamed (Project Manager)			
Process / Location :	Rope Access System / MAJLIS BANDARAYA ISKANDAR PUTERI Usage Of Chemical : Degreaser/MP & Glass Cleaner					
Approved by : (Name, Designation) (Date)	Gunasegaran A/L Kandasamy General Manager 27/01/2023	Last Review Date:		27/1/2023	Next Review Date:	26/1/2024

1. Hazard Identification				2. Risk Evaluation				3. Risk Control			4. Residual Risk			
1a.	1b.	1c.	1d.	2a.	2b.	2c.	2d.	3a.	3b.	Severity	Likelihood	Risk Level		
No.	Work Activity	Hazard	Possible Accident / Ill Health & Persons-at-Risk	Existing Risk Control (if any)	Severity	Likelihood	Risk Level	Additional Risk Control	Action Officer, Designation (Frequency)	Severity	Likelihood	Risk Level		
												①	②	③④
1) Entrance and Exiting to work area	Carry loads, Moving from Point A to Point B	Falls, trips, drop tools / equipment	Feet and Back injury	PPE (Full Set Body Harness, safety shoes & Helmet)	2	2	4	M	Supervisor to identify hazards and danger areas; brief team and plan movement.	Supervisor FARSHON	2	1	2	L
2) Work area Preparation	Lifting / lowering of hose and work equipment	Falls, trips, drop tools / equipment	Technicians Feet and Back injury	PPE (Full Set Body Harness, safety shoes & Helmet)	2	2	4	M	All Equipment and tools to be keep in carriage bags. 1. Plans and check for dangers to your self or others. 2. Check your balance and position 3. When lifting items use your legs. Do not jerk when lifting, keep the movement smooth and take a rest if needed. 4. When moving your load move form your feet. Do not twist and keep the heaviest part of the load against your body. 5. Ensure that others can see you. If required, wear your PPE.	Supervisor FARSHON	2	1	2	L

RISK EVALUATION / RISK CONTROL MAP

2b. Severity		2c. Likelihood		2d. Risk		
Severity	Likelihood	Remote	Not Likely to occur	Severity	Likelihood	Risk
Minor	No injury, injury or ill-health requiring first aid treatment only (includes minor cuts and bruises, irritation, ill-health with temporary discomfort)	Occasional	Possible or Known to occur	Minor	Low Risk	Low Risk
Moderate	Injury requiring medical treatment or ill-health leading to disability (includes lacerations, burns, sprains, minor fracture, dermatitis, deafness)	Frequent	Common or repeating occurrence	Moderate	Medium Risk	Medium Risk
Major	Fatal, serious injury or life-threatening occupational disease (includes amputations, major fractures, multiple injuries, occupational cancer, acute poisoning and fatal diseases)	Remote	Not Likely to occur	Major	High Risk	High Risk

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												1	2	3
3) Working at height	Selection of anchor points & Setting up of ropes, Rigging methods	Falls from heights	Technicians Death / major seve physical injury	PPE (Full Set Body Harness, safety shoes & Helmet) Proper training complies to OSH guidelines	3	2	6	H	All equipment to be certified good. Use Recommended anchor points and rigging of ropes. Barricade work area. Provide working at height certificate training for all the worker	Supervisor FARSHON	3	1	3	M

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2d. Risk	
Severity	
Likelihood	
Minor	Low Risk
Moderate	Low Risk
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	High Risk
	High Risk

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										1	2	1x2	L/M/H
4) Descent from Height	Technician executing 2 Point- Descent method	Falls from heights, Drop tools, Equipment failure, Dehydration, Fatigue	Technicians Death / major seve physical injury	PPE (Full Set Body Harness, safety shoes & Helmet) Proper training complies to OSH guidelines	3	2	6	H All equipment to be certified good. Use Recommended anchor points and rigging of ropes. Barricade work area. Provide working at height certificate training for all the worker.	Supervisor FARSHON	3	1	3	M

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Likelihood	
Minor	Low Risk
Moderate	Medium Risk
Major	High Risk
Medium Risk	High Risk
Remote	
Occasional	
Frequent	

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												1	2
5) Working / Holding Position	To place Equipment in "Lock" position. Handling of equipment	Falls from heights, Drop tools, Equipment failure, Dehydration, Fatigue	Technicians Death / major seve physical injury	PPE PPE (Full Set Body Harness, safety shoes & Helmet) Proper training complies to OSH guidelines	3	2	6	H To ensure all the equipment is certified as in good condition. Anchor point and rigging rope should be inspected before use. Work area should be Barricade before starting the work.	Supervisor FARSHON	3	1	3 M	

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2d. Risk			
Likelihood			
Severity	Remote	Occasional	Frequent
Minor	Low Risk	Low Risk	Medium Risk
Moderate	Low Risk	Medium Risk	High Risk
Major	Medium Risk	High Risk	High Risk

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				①	②	③	④				①	②	③	④	L/M/H
6) Hydration	Carrying Waterbags for all operation.	Equipment failure, Dehydration, Fatigue	Technicians Death / major severe physical injury	PPE PPE (Full Set Body Harness, safety shoes & Helmet) Proper training complies to OSH guidelines	3	3	9	H	Issue and ensure additional water supply / bags in work area.		Supervisor FARSHON	3	1	3	L

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							1	2					3	4
7) Ascent	Execution of Climb-method	Falls from heights, Drop tools, Equipment failure, Dehydration, Fatigue	Technicians	PPE PPE (Full Set Body Harness, safety shoes & Helmet)	3	2	6	M	All equipment to be certified good. Use Recommended anchor points and rigging of ropes. Barricade work area.	Supervisor FARSHON	3	1	3	L

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				①	②	③④	L/M/H				①	②	③④	L/M/H
8) Rescue Operation	Emergency Situation: to reach technician via lifeline. Vacate technicians using lifeline.	Falls from heights, Drop tools, Equipment failure, Dehydration, Fatigue	Technicians Death / major severe physical injury	PPE PPE (Full Set Body Harness, safety shoes & Helmet) Proper training complies to OSH guidelines	3	2	6	M	To have an emergency rescue kit on site. Extra standby rescue workers - Prepare extra rescue equipment(live body harness,Stopper,shawm). All equipment to be certified good. Use Recommended anchor points and rigging of ropes. Barricade work area.	Supervisor FARSHON	3	1	3	L

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					①	②	③			④	⑤	⑥	⑦	⑧	⑨
11) Tools, equipments & materials to carry out external façade cleaning works	Poles, scrappers, pails, etc	Falling objects (eg. Debris and materials and tools,	Multiple injuries or death	PPE (Full Set Body Harness, safety shoes & Helmet), All tools materials & equipments shall be tied to lanyard & attached to harness to prevent falling hazards.	3	3	9	H	Signs, Barricade, watchman at work area. Training according to guidelines		Supervisor FARSHON	3	1	3	1

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										1	2	3	4	L/M/H
9) Weather Conditions and prevailing weather.	Ensure when expose to weather no work should take place in thunder storms. Take cover at shelter.	Bad weather ,heavy rain,strong winds and thunder storm.	Multiple injuries or death	PPE (Full Set Body Harness, safety shoes & Helmet)	3	3	9	H	To stop work & take shelter at safe place.	Supervisor FARSHON	3	1	3	L
10) Ensure no other work progress above the workers.	Ensure no other works above working positions / areas.	Falling objects (eg. Debris and materials and tools.)	Death / major seve physical injury	Proper training complies to OSH guidelines	3	3	9	H	To standby a worker to inform people who cross the barricade area about working at height		3	1	3	L

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Severity		Remote	Occasional	Frequent
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**STANDARD OPERATING
PROCEDURE**