

Hazard Identification and Risk Assessment
For Painting Work

S.N	Activity	Hazard/Risk	Existing Control Measures	(I)	(P)	Risk Level (I x P)	Additional Control Measures	Categories of Hazards	Residual Risk	Action By
0	Painting	Exposed to chemical fumes, Handling of chemicals, Fire and explosion hazards	<ul style="list-style-type: none"> • 	5	3	15 (H)	<ul style="list-style-type: none"> • Painting shall be done in a closed but ventilated space. • Exhaust ventilation arrangements shall be provided to maintain good air circulation inside. Exhausted air shall be directed towards an area where human occupancy does not exist nearby. • The painter shall wear air supplied breathing apparatus with a coverall to prevent inhalation of contaminated air and contact with paint spray. • MSDS for all the painting substances to be ensured that available in the storage yard and it should be displayed to understand the risk involved in the substances and safe handling. • Foam type fire extinguishers must be provided for extinguish the fire in paint storage place. • All the paint materials be kept in closed container, PPEs Display such as using of mask signage as well as using of gloves signage to be displayed. • Fire explosion proof lighting should be used in the painting store room • Painters must have adequate PPEs before commencing the work and adequately trained. • Pep talk to be conducted about painting work and hazards involved in the handling of substances to the crew by site engineer. • There shall not be any heat sources inside the painting booth. • Power supply to the compressor shall be routed through RCCB and MCB from a distribution board, which conforms to IP 55 requirements. The compressor shall be earthed. • Adopt safe execution card and permit to work system. • Adhere to the safe operating procedures. • Appropriate information, instruction and supervision shall be provided to workers • Use of appropriate personal protective equipment. • The respirators has to be given to the workers 	Chemical Hazards	Low Risk	Site Engineer

