

			DOC NO.		MMLH/FPS/17	
TITLE :	PAINTING OF PIPING, EQUIPMENT & STRUCTURE (EXCEPT WATER TANK)					
PACKAGE:	FIRE PROTECTION SYSTEM		REV.	0	DATE:	12.10.2017
PROJECT:	MMLH-VIZAG		SHEET	1	OF	1

PAINTING OF PIPING, EQUIPMENT AND STRUCTURE

1.0 GENERAL

This specification describes requirements of supply an application of paints for equipment, piping, structural etc. for over ground surface.

2.0 GENERAL INFORMATION

2.1 All external or exposed surface of mechanical & electrical equipment, vessels, tanks, ducts, piping, valves, accessories and surfaces of all structures, platforms, galleries etc. shall be provided with required primer and finish painting after necessary surface preparation.

2.2 Quality of primer shall be chosen that they are suitable for withstanding maximum expected surface temperature and they type of atmosphere it is exposed to.

2.3 Application of primer and finish paints shall be done at site of far as possible except for finished machine and equipment such as diesel engine, pumps, compressor etc . For such finished equipment and components there of, the painting may be completed at shop and transported to site with paint duly protected. For items such as structures, plates, tank shells, pipe pieces etc. shop coat of protective paint shall be given before dispatch to site.

However, touch-up paints shall be done at site after erection and commission as per the instruction of the purchaser.

2.4 The Bidder shall follow the provisions of TAC, Indian Standards or equivalent approved other National Standards in selection of paints, application and surface preparation

3.0 PAINTING SCHEME

3.1 The scheme of painting to be followed for various equipment are furnished in Appendix. The Bidder may suggest any alternative painting scheme if the same is superior to the suggested scheme. The final scheme of painting to adopted shall be subjected to purchaser's approval.

3.2 When material or paint is specified or described by the name of a particular brand, manufacturer or vendor, the specific time mentioned shall be understood as indicating the function and quality desired. Other manufacturer's product shall be approved provided specific information is given to allow the purchaser to evaluate the product proposed.

3.3 Surface Preparation

Anyone of the following surface preparation methods shall be adopted as stated below.

Power Wire Brushing

All surface shall be manually cleaned of rust/mill scale by power wire brush, carborundum tips etc. User of chopping hammer, emery paper shall be done to clean pitted areas to the satisfaction of site in-charge.

4.0 PAINTING SEQUENCE

4.1 The surface preparation by Power Wire Brushing

4.2 COATS

A. Prime Coat

2- coats of Inorganic Zinc Phosphate Primer : 30 Micron DFT / coat

B. Finish Coat

2- coats of synthetic enamel paint (Minimum 50 microns dry DFT per coat).

5.0 RECOMMENDED PARTS MANUFACTURER

- a) BERGER PAINTS (I) LTD.
- b) CDC CARBOLINE
- c) ASIAN PAINTS (I) LTD.
- d) GOODLAS NEROLAC PAINTS LTD.
- e) JENSON & NICHOLSON
- f) SHALIMAR PAINTS
- g) BOMBAY PAINTS

Above specification is not applicable for MS Tanks, for painting specification of MS tanks for fire water reservoir, please refer the relevant tender drawings.