

**CHENNAI PORT TRUST**

**NOTICE INVITING BUDGETARY OFFER**

**MEE/U3/277/2019/Dy.CME (OH)**



**BUDGETARY OFFER**

**FOR**

**BUDGETARY OFFER FOR PAINTING FIRE FIGHTING LINES  
PERTAINING Ø16" DIA TOWER MONITOR LINE, Ø14" DIA  
IRE HYDRANT LINES AND Ø4" DIA FIRE HYDRANT BRANCH  
LINES FROM BD-I TO BD-III**

**Submission on or before : 17.09.2019**

**To the address of:  
Office of the Dy.Chief Mechanical Engineer(OH)  
Chennai Port Trust  
Royapuram, Chennai – 600 013**

**BUDGETARY OFFER FOR PAINTING FIRE FIGHTING LINES PERTAINING Ø16” DIA TOWER MONITOR LINE, Ø14” DIA FIRE HYDRANT LINES AND Ø4” DIA FIRE HYDRANT BRANCH LINES FROM BD-I TO BD-III**

**TECHNICAL SPECIFICATION**

**SCHEDULE ‘A’**

**GENERAL**

The Trust has proposed to Paint the fire fighting lines pertaining to Ø16” dia Tower Monitor Line for about **340 Mtrs.** long, Ø14” dia Fire Hydrant Lines for about **600 Mtrs.** long and Ø4” dia Fire Hydrant branch lines attached to the Fire Hydrant Lines for about **30 Mtrs.** long from BD-I to BD – III to facilitate the preventive maintenance from corrosion of Pipelines pertains to Fire Fighting System at Oil Dock.

The work involves supply of materials, painting the mentioned pipes as per detailed technical specifications detailed in the scope of work.

**SCOPE OF WORK**

The firm shall carry out painting the fire fighting pipelines from BD- I to BD – III

**Painting of the pipe lines earmarked shall be done as per the details given below:**

- Primer : one coat of aluminum filled phenolic amine epoxy mastic – **125 microns DFT**
- Intermediate : Two coats of phenolic amine epoxy – **150 microns DFT / coat**  
(for each coat in 24 hours intervals in between two coats)
- Finish : one coat of aliphatic polyurethane – **50 microns DFT.**

All the pipes, bends, Hydrant branch lines , reducers etc. should be thoroughly cleaned with wire brushes for removing the rust and dirt’s from the surface and shall be painted with brush for one coat of aluminum filled phenolic amine epoxy mastic – 125 microns DFT, Two coats of phenolic amine epoxy – 150 microns DFT / coat and a final one coat of aliphatic polyurethane – 50 microns DFT. Shall be applied over the pipelines after confirming the each painted coat is dried and ready for the second / other coat.

The total dry film thickness of the total painting surface shall be not less than **475 microns DFT.** In the final painted area at any point painted from the existing painted surface.

Only reputed make of paint manufacturers brand like: BERGER / ASIAN / SHALIMAR / GRAND POLYCOAT/ COROMANDAL / SIGMA COATINGS / AKZO NOBEL COATINGS / JOTUN/ JENSON & NICHLSO/N/ KANSAI NEROLAC/HAMPEL COATINGS shall be used. Necessary Brushes, Paints, thinner, Hardener (if any needed) and solvents, etc. shall be arranged by the firm.

**Colour codes:**

Pipelines & Pipe fitting and Hydrants shall be painted in fire red colour as per shade 641 of IS: 5

## **OTHER TERMS AND CONDITIONS**

- 1) The firm shall submit their offer as per the enclosed schedule- 'A1' schedule of quantities and prices.
- 2) The firm's representative shall inspect the site and acquaint himself of the working area before quoting.
- 3) The firm shall arrange necessary essential oil dock entry permit to their employees.
- 4) The firm shall ensure that all the safety precautions to be adhered while working in oil dock.
- 5) The firm shall authorize any one of their employees who will always be available during work.
- 6) The firm shall make their own arrangement to transport for shifting the material and manpower etc., with a spark arrester unit fitted in the exhaust pipe to work in the hazardous area.
- 7) The firm shall provide safety equipment like helmet, safety shoes etc., to their employees while on work.
- 8) The firm shall ensure that no damage occurs to the pedestal or to the adjoining pipe lines by any manner and for consequent damage to other adjacent pipelines, Liability of the same will be levied on the firm.
- 9) The firm shall carryout the work as specified by the Trust.
- 10) The firm shall arrange necessary skilled manpower, tools etc. for the above work.
- 11) The firm shall make his own arrangement for the safe custody of their material at site. Proper storage facility is to be maintained by the firm, if required.

## **COMPLETION PERIOD**

The firm shall complete the entire works in 30 Trust working days from the date of receipt of the work order excluding trust holidays.

## **GUARANTEE PERIOD**

The entire works shall be guaranteed on completion of the work for a period of **12 (twelve) months** from the date of acceptance of the works by the Trust Engineer.

**CHIEF MECHANICAL ENGINEER  
CHENNAI PORT TRUST**

**BUDGETARY OFFER FOR PAINTING FIRE FIGHTING LINES PERTAINING Ø16”  
DIA TOWER MONITOR LINE, Ø14” DIA FIRE HYDRANT LINES AND Ø4” DIA FIRE  
HYDRANT BRANCH LINES FROM BD-I TO BD-III**

**SCHEDULE OF QUANTITIES & PRICES**

**SCHEDULE – ‘A1’**

Sl. No.	Description	Unit	Qty.	Rate/Unit	Amount (Rs.)
1.	Supply of Aluminum filled phenolic amine epoxy mastic for <b>one coat</b> of Primer detailed in schedule – A. for painting the fire fighting lines	Ltr.	220		
2.	Supply of phenolic amine epoxy mastic for <b>two coats</b> of Intermediate as detailed in schedule – A. for painting the fire fighting lines	Ltr.	370		
3.	Supply of aliphatic polyurethane for <b>one coat</b> of final coat as detailed in schedule – A. for painting the fire fighting lines as per the colour codes to be painted in fire red colour as per shade 641 of IS: 5	Ltr	220		
4.	Labour Charges for painting of Aluminum filled phenolic amine epoxy mastic for one coat (125 microns) of Primer , Two coat of Phenolic amine epoxy mastic for each coat (150 microns / coat) of Intermediate coat and one coat of aliphatic polyurethane as final coat (50 microns)detailed in schedule – A. for painting the fire fighting lines.(including surface preparation) Ø16” DIA TOWER MONITOR LINE: 430 m <sup>2</sup> Ø14” DIA FIRE HYDRANT LINES: 660 m <sup>2</sup> Ø4” DIA FIRE HYDRANT BRANCH LINES: 10 m <sup>2</sup>	Sq. mtr.	1100		
<b>Total</b>					
GST @ % for labour charges					
GST @ % for supply of items					
<b>GRAND TOTAL</b>					

(Rupees \_\_\_\_\_ only inclusive of all taxes and duties etc.)

***CONTRACTOR’S SIGNAUTRE WITH SEAL***