

## COCHINPORTAUTHORITY

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कोचिन पत्तन प्राधिकरण  
Cochin Port Authority

No.Dy.CE(I)/Naval Jetty/General/2021-C

Date:19.12.2024

### NOTICE INVITING BUDGETARY OFFER

Cochin Port proposes to invite quotations for “**Jetty Painting works using Interpenetrating Polymer Network(IPN) anti corrosive polymer system for Indian Navy inside Naval Base**” through authorized Painting companies by inviting open tenders.

In order to prepare the cost estimates for inviting quotations for the above work, Cochin Port now invites budgetary offers from authorized companies as per the attached detailed specification & Schedule at Annexure-I & II.

The bidders are requested to submit the **Budgetary offers** as per the attached detailed specification & Schedule at Annexure-I & II and submit in a sealed cover super scribing “**Budgetary offer for “Jetty Painting works using Interpenetrating Polymer Network(IPN) anti corrosive polymer system”**”, to the Superintending Engineer-I, Cochin Port Authority, to the address given above so as to reach us on or before **23.12.2024 at 17:00 hrs.**

Before submitting budgetary offers, the bidders can visit the area if required so as to understand the scope and nature of work clearly. The visit for inspection shall be made on any working day, after obtaining the prior confirmation of the Superintending Engineer-I (Mob: 9895177869) or Executive Engineer-I (Mob: 0484 2582422), Cochin Port Authority. E-mail:[mvjohny@cochinport.gov.in](mailto:mvjohny@cochinport.gov.in), [anjana@cochinport.gov.in](mailto:anjana@cochinport.gov.in). The work site is a protected area and entry/exit is regulated by security passes issued by Navy.

The bidders may note that the offers are invited only for **budgetary** purpose. Cochin Port is not bound to award the work to any agencies based on the **budgetary** offer submitted. Cochin Port Authority will not be liable for any financial obligation to the bidders in connection with the preparation of his budgetary offer.

Encl: Annexure-I & II

SUPERINTENDING ENGINEER- I  
COCHIN PORT AUTHORITY

## 1. COATING OF EPOXY BASED PROTECTIVE PAINT

### 1.1 Surface Preparation

The surface should be clean, dry and free from oil, grease, loose particles and laitance and other contaminants and curing compounds which adversely affect the adhesion of paint coating. Light sand / abrasive blasting of the surface will remove all loosely bound material and roughen the surface. Ensure all dust other particles are fully removed by suction or air blast before application of the paint / coating.

The concrete surfaces shall be cleaned by chipping wire brushing to remove all loose particles, dust, oil stains, etc. completely. It shall be further cleaned by clean water/ compressed air and all cracks, joints etc. shall be sealed and levelled with **epoxy putty** prior to application of epoxy paint.

### 1.2 Specification for epoxy based paint

The Interpenetrating Polymer Network (IPN) anticorrosive polymer system or its equivalent shall be used, One coat of Epoxy Phenolic Ipnet primer coating of DFT 50 microns and two coats of Epoxy Phenolic Ipnet coating of DFT 100 microns each shall be sides and soffits of cantilever deck slab, cantilever slab, service lines excepting top surfaces and shall conform to the following specifications:

### 1.3 Primer

- |                              |  |
|------------------------------|--|
| a) System                    | : Twin pack consisting of base and curing agent            |
| b) Base                      | : Interpenetrating polymer (Epoxy Phenolic)                |
| c) Pot Life                  | : 1 hour for 2 Lt. Mix                                     |
| d) Curing                    | : Air curing   |
| e) Colour                    | : Clear  |
| f) Shelf Life                | : One year in tightly sealed containers                    |
| g) Dry Film Thickness        | : 50 microns   |
| h) Coverage                  | : 5-6 Sq m/ lit. (on smooth concrete surface)              |
| i) Recommended No. of coats: | One  |
| j) Recoatability             | : Subsequent coat shall be applied after 6 hours to 7 days |
| k) Mix Proportion            | : Base: 1 PBV/ Curing Agent: 1PBV                          |

l)) Mixing Procedure :As per manufacturers recommendation

### **Middle and Top Coat**

a)System : Twin pack consisting of base and curing agent

b)Base : Interpenetrating polymer (Epoxy Phenolic)

c)Pot Life :1 hour for 2 Lt. Mix

d)Curing :Air curing

e)Colour :Approved by the Engineer-in- charge.

f)Shelf Life :One year in tightly sealed containers

g)Dry Film Thickness :100 microns per coat

h)Coverage :4-5 Sq m/lit (on smooth concrete surface)

i) Recommended No. of coats: Two

j) Recoatability :Subsequent coat shall be applied after 6 hours to 7 days

k) Mix Proportion :Base: 1 PBV/ Curing Agent: 1 PBV

l) Mixing Procedure :As per manufacturers recommendation

### **1.4 Process of Application of Paint**

The surface shall be thoroughly cleaned as per clause 1.1 above. The primer coat and protective two coats shall be applied with the materials and specifications described as per clause 1.3 above or as per manufacturer's specifications with prior approval of the Engineer -in -charge.

### **1.5 Measurement for Payment**

The superficial area as final finished surface shall be measured in sq. metres.

### **1.6 Rate**

The rate for this item will include the cost of all material, labour, tools, plants, equipment, staging, cost of scaffolding, Pontoons, chipping removing dirt particles, providing Electricity, water for cleaning, Steel Rod cutting, etc. including testing of work as per requirement etc. complete as per detailed specifications and directions of Engineer-in-charge

**COCHIN PORT AUTHORITY**

**BUDGETARY OFFER FOR "JETTY PAINTING WORKS USING INTERPENETRATING POLYMER NETWORK(IPN) ANTI CORROSIVE POLYMER SYSTEM FOR INDIAN NAVY INSIDE NAVAL BASE"**

Sl No:	Sub heads and items of work	Quantity	Rate RS Ps	Unit	Amount Rs
1	Providing Interpenetrating Polymer Network(IPN) anti corrosive polymer system (Cera Cote EP CR PE IP- Net)or its equivalent with two coats of epoxy phenolic ipnet coating of DFT 100 microns over one coat of epoxy phenolic ipnet primer coating of DFT 50 microns to entire external surface of super structure/sub structure of the berth except top surface including cleaning the concrete surface with sand blasting or equivalent methods,Application of putty, cost of scaffolding,Pontoon, chipping removing dirt particles,Providing Electricity, water for cleaning,Steel Rod cutting etc. complete as per detailed specifications and directions of Engineer-in-charge	15,712		Sq.m	
	Providing Interpenetrating Polymer Network(IPN) anti corrosive polymer system (Cera Cote EP CR PE IP- Net)or its equivalent with two coats of epoxy phenolic ipnet coating of DFT 100 microns over one coat of epoxy phenolic ipnet primer coating of DFT 50 microns to entire internal surface of super structure/sub structure of the berth including cleaning the concrete surface with sand blasting or equivalent methods, Application of putty, cost of scaffolding,Pontoon, chipping removing dirt particles, Providing Electricity, water for cleaning,Steel Rod cuttingetc. complete as per detailed specifications and directions of Engineer-in-charge	4272.4		Sq.m	
	<b>Total</b>				
<b>Note: Rate quoted shall not include GST. GST will be paid extra.</b>					