



NEW MANGALORE PORT AUTHORITY

STORES DIVISION, PANAMBUR, MANGALORE- 575 010

Phone: 0824-2887721/726 Extn. 721/726

Direct : Telephone : 0824-2407721, Fax : 0824-2407721

GSTIN : 29AAALN0057A2ZG

Enquiry No.: (2/05/Apr-02/2023-24/AMM/DyMM)- 2706

Dated : 05.04.2023

Last Date & time for Submission : 21.04.2023

On or Before 3.00 pm

Date of Opening : 21.04.2023

Time of Opening : 3.30 pm

To,


ICG (Indian Cost Guard) Approved Suppliers Only

Subject : NMPT Stores Division: Procurement of Oil Spill Dispersant Type III and Type II - Quotation Requested- Reg

Sealed quotations are invited from you on or before 3.00 pm **Dt. 21.04.2023** addressed to the Dy. Materials Manager for the items given below subject to the terms and conditions printed overleaf. The sealed envelope should be clearly superscribed with the above Enquiry No., the due date and shall be dropped in the Tender Box kept at Dy. Materials Manager Office, Stores Division, Panambur, Mangalore-575 010

Sl No	Description	Unit	HSN	Quantity	Rate per Unit	GST
1	Oil Spill Dispersant Type III and Type II	Liters		1000		

Yours faithfully,


Dy. Materials Manager 5/4/23

Description and Technical Specification of OSD (Type II and Type III)

Sl No.	Description / Technical Specification	
1	Type	Type II and Type III
2	Stability	The surfactants must be wholly soluble in the solvent and must remain uniformly distributed at all temperatures from 0 deg to 50

		deg C
3	Phase	The Dispersant must be in liquid form and contain no solid material, suspended matter, or additional liquid phases.
4	Package	The Oil Spill Dispersant Should be supplied in HDPE barrel containing 200 litres in each barrel.
5	Storage (Shelf) Life	The dispersant when stored according to the manufacturer's recommendations, in the original sealed containers, with ambient temperatures ranging between -00° C and +500° C, should have a storage life of minimum five (5) years.
6	Flashpoint	The dispersants will have flash point of 60° C as determined by the Pensky Marten closed cup method-D.
7	Cloud Point	The dispersant will have cloud point of 0°C (minimum). The dispersant must not separate into layers at temperatures over 0° C.
8	Viscosity	The dispersant viscosity at 0°C must be 250 Cst at a shear rate of 103/s.
9	Prohibited Ingredients	The Dispersant must not contain: benzene, carbon, tetrachloride or other chlorinated hydrocarbons solvents, phenol, cresol, caustic, alkali, or free mineral acid and safe for personnel handling the product and should not pose any health hazard.
10	Certificates (To be submitted at the time of delivery)	<ol style="list-style-type: none"> 1. The product must be tested, certified by National Institute of Oceanography, Goa for safe use at sea. The test certificate issued by NIO shall be valid for minimum 5 years at the time of delivery. 2. Manufacturer shall have Indian Coast Guard approval for use of OSD Type II / III .
11	MSDS	Should be supplied along with Material Safety Data Sheet.
12	Aromatic Hydrocarbons	The Dispersant must have an upper limit of 3% total aromatic hydrocarbons as determined by gas chromatography/flame ionization detection, infrared spectroscopy, or fluorescence detection.
13	Toxicity	Each dispersant must be tested for toxicity with the object of determining 96-hour LC 50 and to establish incipient lethal limits.(The testing to be carried out at NIO).
14	Toxicity Limit	Non toxic $\geq 10,000$ ppm

15	Efficiency Index	Percentage by weight of the test oil which has been transferred as small droplets into the water phase under the test conditions assuming complete and even distribution at the time of sampling. The efficiency criteria to be:- Type II/III-60% (minimum for both)
16	Biodegradability	The surfactant preferably be biologically degradable
17	Compatibility	Shall be Compatible with all types of oil, the efficiency must be same in all types of oil.
18	Stability Index	The dispersant /oil emulsion should be stable/fairly stable (>50%)

Following documents should be furnished along with the offer:

1. The manufacturer Test Report shall be certified by NIO,Goa.
2. Approval of Indian Coast Guard for use of OSD (Type II and III).

Note:

1. The rates quoted shall be inclusive of transportation charges and transit Insurance etc.
2. The Oil Spill Dispersant to be supplied in HDPE barrel containing 200 Lts in each barrel.
3. The rates quoted shall be inclusive of transportation charges and transit insurance etc.
4. The product to be delivered at berth no.4 at cost of supplier.

TERMS AND CONDITIONS OF TENDER

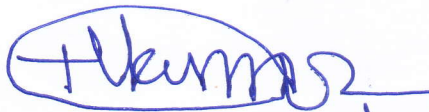
1. The offered basic price should include freight charges on FOR destination basis and any other charges except GST. The price quoted should be firm and the percentage of GST shall be shown separately. The HSN code/Accounting Code of Service (As applicable) of the individual items is to be mentioned.
2. Price quoted should be net and valid for a minimum period of three months from the date of opening of the quotation.
3. Quotation should be free from corrections / erasures. In case there is any unavoidable correction it should be properly attested. If not the quotation will not be considered. The Firm can submit only one offer for each item. Multiple offers are not acceptable.
4. In order to avail the benefit extended by the Govt to Micro and Small Enterprises registered with MSME as mentioned in the clause No.17 of this RFQ. The Micro and Small

Enterprises registered with District Industries Center (DIC) or Khadi and Village Industries Commission or Khadi & Industries Board (KVIB) or Coir Board or National Small Industries Corporation (NSIC) or Directorate of Handicrafts and Handlooms or Udyog Aadhar Memorandum or any other body specified by Ministry of MSME. The required registered certificate should be enclosed.

5. The materials to be supplied from the latest manufactured batch, against Purchase Order within 30 days from the date of issue of Purchase Orders. The Supplier should replace the consignment if supplied items are not as per technical specification of BOQ as mentioned in RFQ.
6. The Port Authority reserves the right to recover any Loss sustained due to delayed delivery by way of penalty.
7. The quotation must be in the form furnished by the Port Authority.
8. The NEW MANGALORE PORT AUTHORITY reserves the right to accept the offer by individual items and reject any or all tenders without assigning any reason thereof and does not bind itself to accept lowest quotations.
9. The prices quoted should be firm till the supplies are completed.
10. The NEW MANGALORE PORT AUTHORITY reserves the right to modify the quantity specified in this enquiry.
11. The NEW MANGALORE PORT AUTHORITY will not issue 'C or 'D' Form for the purpose of concessional rate of Tax you may claim at full rate if legally leviable.
12. Quotations should be strictly as per the technical specification mentioned in tender without any deviation. Conditional offers will not be accepted / entertained.
13. Quotation written in pencil will not be considered.
14. The supply should be effected within 30 days after the issue of supply order.
15. Please quote the rates in words and figures.
16. **Price Bid will be evaluated based total value wise on basic price.** The GST element if any will not be considered for comparison.
17. Dispute Clause: Any dispute relating to the enquiry shall be subject to the jurisdiction of the court at Mangalore only.

18. **PAYMENT:** Please note that neither any type of advance/partial payment will be made nor document through Bank will be accepted. 100% Payment will be made Within 20 days after the completion of supplies of all ordered materials & accepted by the Department along with all relevant documents- Test Certificate/ Warranty Certificates/ Invoices etc.
19. The materials shall be securely packed and dispatched to NMPA Main stores Panambur, Mangalore 10, duly covering the transit insurance. Any damage to the items during transportation shall be to suppliers account. If the supplied items are rejected due to any error/ defects in the technical specification/Make/Quality/Size/Weight, supplier has to make his own arrangements at his cost to lift the rejected materials and to replace the same immediately without any delay.
20. **Delivery period for Supply in full shape:** Within 30 days from the date of issue of Letter of Acceptance/Purchase Order. The materials will have to be supplied on 'Door delivery' basis to our stores at New Mangalore Port Authority, Panambur, Mangalore duly insured at your cost. The materials are to be supplied from the latest manufactured batch and installed as detailed in scope of work. Delivery of quantities against subsequent orders will have to be made within 1 week of receipt of order.
21. **Guarantee:** The **Items** supplied with the latest manufacturing batch and Item No 1 shall be guaranteed for the period of minimum 12 months from the date of supply. The "**Guarantee Certificate**" shall be submitted along with the supplies.
22. **Liquidated Damage:** The material shall be supplied within the stipulated period mentioned in the purchase order to avoid any penalty for late delivery. If the materials are not supplied within the delivery period, Liquidated Damage will be levied on the undelivered portion at the rate of 0.5 % of the value of the material per week or part thereof, subject to a maximum of 10% of the total tax invoice value of the item unless extension is obtained in writing from the office on valid ground before expiry of delivery period. In the event of forfeiting the EMD / LD / SD GST is applicable & while imposing penalty GST shall be collected.
23. Quotation will be opened on due date at 3.30 p.m. in the office of the Dy. Materials Manager in the A.O. Building Panambur, Mangalore in presence of tenderer or their representatives who may wish to be present.

Yours faithfully


Deputy Materials Manager
New Mangalore Port Authority, Panambur

016
VCC

5/4/23

PREFACE

This guideline document has been produced as an up-to-date guide on oil spill dispersants and is intended for the use of the resource and response agencies to respond to oil spills at sea and to the general readers who are interested in the marine environment protection issues. The specifications prescribed are arrived at, after undertaking various trials by the National Institute of Oceanography (NIO), Goa. More scientific information, together with supporting references, could be obtained from the NIO on this subject.

Oil spills can cause a lot of distress to the affected communities. It is important that oil spill response actions are explained to everyone involved, including those likely to be worst affected by the oil spill. The use of oil spill dispersants can sometimes be contentious because of misunderstandings about the principle of dispersing oil and the possible side effects that can be caused. A "net environmental benefit" will be achieved if the damage that might be caused to marine life by dispersed oil is less than the damage that would have been caused if the oil had come ashore or drifted near to particularly oil-sensitive resources.

A balanced and correct application requires issue of guidelines on the subject with respect to its use. Accordingly, the Indian Coast Guard being the Central Coordinating Authority for Oil Spill Response, had issued a document "Guidelines and Policy for use of OSD in Indian Waters" in the year 2002. The advancements made in the development of dispersants has necessitated for review of the 2002 document. This document incorporates the specifications for the new generation dispersants and also various other inputs provided by the resource agencies from time to time. The Coast Guard acknowledges the assistance provided by the National Institute of Oceanography for drafting the necessary guidelines and providing the specifications for compliance.

Comments of the Industry, response planners and the environmentalists to improve this document are welcome.

November 2009
New Delhi

Director (Environment)
Coast Guard Headquarters

55/12/2
Hemant

CHAPTER - 9

OSD SPECIFICATIONS FOR USE IN INDIAN WATERS

- 9.1 Approval for use of a particular OSD will be granted after taking into consideration a number of factors such as: toxicity, effectiveness, stability, health hazards, the physical and chemical properties of OSD and also the properties of oil to be dispersed.
- 9.2 As a general consideration, the dispersant should comply with specification given in succeeding paragraphs.
- 9.3 **Phase.** The dispersant must be in liquid form and contain no solid material, suspended matter, or additional liquid phases.
- 9.4 **Prohibited Ingredients.** The dispersant must not contain: benzene, carbon tetrachloride or other chlorinated hydrocarbons, phenol, cresol, caustic alkali, or free mineral acid.
- 9.5 **Aromatic Hydrocarbons.** The dispersant, must have an upper limit of 3% total aromatic hydrocarbons as determined by gas chromatography/ flame ionization detection, infrared spectroscopy, or fluorescence detection.
- 9.6 **Stability.** The surfactants must be wholly soluble in the solvent and must remain uniformly distributed at all temperatures from -0° to 50° C
- 9.7 **Shelf Life.** The dispersant when stored according to the manufacturer's recommendations, in the original sealed containers, with ambient temperatures ranging between -0° C and $+50^{\circ}$ C, should have a storage life of minimum five (5) years. Beyond five years, the use of dispersant is subject to fulfilling all specifications after testing on yearly basis.
- 9.8 **Flashpoint.** The dispersants will have flash point of minimum 60° C as determined by the Pensky Marten closed cup method - D.
- 9.9 **Cloud Point.** The dispersant will have cloud point of 0° C (minimum). The dispersant must not separate into layers at temperatures over 0° C.
- 9.10 **Viscosity.** The dispersant viscosity at 0° C must be 250 Cst at a shear rate of 103/s.

- 9.11 **Toxicity**. Each dispersant must be tested for toxicity with the object of determining 96-hour LC 50 and to establish incipient lethal limits. (The testing will be carried out at NIO).
- 9.12 **Toxicity Limit**. The toxicity criterion to be adopted for evaluation will be :-
- 9.12.1 Non toxic: > 10,000
 - 9.12.2 Slightly toxic: 1,000-10,000
 - 9.12.3 Moderate toxic: 100-1000
 - 9.12.4 Toxic: < 100
 - 9.12.5 Dispersant alone should be moderately to slightly toxic
 - 9.12.6 Dispersant should not significantly increase the toxicity of the oil it is added to. However, a margin of 15-20% will be allowed.
- 9.13 **Biodegradability**. The surfactant preferably be biologically degradable.
- 9.14 **Efficiency Index**. Percentage by weight of the test oil which has been transferred as small droplets into the water phase under the test conditions assuming complete and even distribution at the time of sampling. The efficiency criteria will be:-
- 9.14.1 Type II - 50% (minimum)
 - 9.14.2 Type III - 60% (minimum)
 - 9.14.3 Type II/III - 60% (minimum for both)
- 9.15 **Stability Index**. The dispersant/oil emulsion should be stable/fairly stable (> 50 %).
- 9.16 The OSD should also be free of hydrocarbon solvents and safe for personnel handling the product and should not pose any health hazard.