

(This tender aims for already enlisted contractors for this work with HOCL Kochi Unit. Any new contractor who wish to empanel for this type of work may submit their credentials so that they will be evaluated and pre-qualified and shall be considered for similar future work).



HINDUSTAN ORGANIC CHEMICALS LIMITED
(A Government of India Enterprise)
AMBALAMUGAL, Ernakulam District, PIN – 682 032.
Phone: (0484) 2720911, FAX No. (0484) 2720893

E- TENDER NOTICE

HOCL Invites e-Bids under the **two-bid system** for the following work:

Sl. No.	Description of Item and Tender No.
1	PAINTING OF HORTON SPHERES HOCL Tender Ref : MEC30199

Tender documents may be downloaded from www.hoclkochi.com or www.eprocure.gov.in.

Interested parties may please get registered with NIC e procurement portal (URL: <https://eprocure.gov.in/eprocure/app>) to participate in the tender. Tenders submitted other than through online procedure specified will not be accepted. Please visit the above sites regularly for any addendum/ corrigendum/ extension before submitting the offers.

Please submit your E-bids under the **two-bid system** confirming to the specifications and the terms and conditions.

For and on behalf of Hindustan Organic Chemicals Limited
(GSTN:32AAACH2663P1ZG),(CIN:I99999MN1960GOI011895)

L. SHANIL LAL
CHIEF GENERAL MANAGER (MECHANICAL)



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MEC30199

M/s.

Dear Sir,

Hindustan Organic Chemicals Limited is a Government of India Undertaking manufacturing Phenol, Acetone & Hydrogen Peroxide at its plant at Kochi, Kerala, India. HOCL invites e-tenders for **PAINTING OF HORTON SPHERES**. HOCL has entered into an agreement with M/s. NIC for e-procurement through their portal <https://eprocure.gov.in/eprocure/app>. You may please get registered as a vendor with NIC for participating in this tender.

Tender documents are uploaded in HOCL website www.hoclkochi.com and <https://eprocure.gov.in/eprocure/app>

Index of documents enclosed is attached herewith. You are requested to kindly go through all the documents in detail before preparing/submitting your tender.

You may submit your offer on **two-bid system** online before the due date and time specified.

Thanking you,

Yours Faithfully,
For Hindustan Organic Chemicals Limited (CIN: L99999MH1960GOIO11895),

L. SHANIL LAL
CHIEF GENERAL MANAGER (MECHANICAL)

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HINDUSTAN ORGANIC CHEMICALS LIMITED

(A Government of India Enterprise)
Ambalamugal P.O.,Ernakulam District, Kerala – 682 302.

Tender Ref. No: MEC30199

Name of Work: PAINTING OF HORTON SPHERES

THIS DOCUMENT TO BE SIGNED AND STAMPED BY BIDDER ON ALL PAGES AND SUBMITTED ALONG WITH THE E-TENDER

General instructions for Online Bid Submission

The bidders are required to submit soft copies of their bids electronically on the Central Public Procurement Portal(Govt. Of India), using valid **Digital Signature Certificates**. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION

1. Bidders are required to enrol on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “**Online bidder Enrolment**” on the CPP Portal which is **free of charge**.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

1. There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.

2. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
3. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BID

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

Note: My Documents space is only a repository given to the Bidders to ease the uploading process. If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.

SUBMISSION OF BIDS

1. Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.
4. Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

5. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
6. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
7. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
8. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
9. Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
10. The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

Contact Person (National Informatics Centre)

Mr. Midhun Babu
Co-ordinator (NIC-HOCL)
Mob: 8921387812, 8547196394,

HOCL Work Co-ordinator

Mr. P.V. Babu
General Manager (Mechanical)
Mob: 9446134842

HINDUSTAN ORGANIC CHEMICALS LIMITED

(A Government of India Enterprise)
Ambalamugal P.O., Ernakulam District, Kerala – 682 302.

Tender Ref. No: MEC30199

Name of Work: PAINTING OF HORTON SPHERES

THIS DOCUMENT TO BE SIGNED AND STAMPED BY BIDDER ON ALL PAGES AND SUBMITTED ALONG WITH THE E-TENDER

General

These technical specifications shall be applicable for the work covered by this contract, over and above and without prejudice to the various codes of practices, standard specifications, etc., it being specifically understood that contractor shall carry out the work in all respects with the best quality of materials and workmanship, and in accordance with the best engineering practice and instructions of Engineer-in-Charge. The following are to be painted:

1. Spheres outside complete/tie rods/sphere support of 102 S 003 A and 102 S 002 B
2. Fire water and LPG piping at higher elevation connected to spheres 102 S 003 A and 102 S 002 B (around the spheres).
3. Structural, staircase, handrails, pipe supports, ladder, etc. of 102 S 003 A and 102 S 002 B.
4. Platform/Gratings of 102 S 003 A and 102 S 002 B.

Sl.No.	Description	Primer	Finish
1.	Spheres outside complete/tie rods/sphere support of 102 S 003 A and 102 S 002 B	P - 0 : One coat	F - 2 : Two coats
2	Fire water and LPG piping at higher elevation connected to spheres (around the spheres). Structural, staircase, handrails, monkey ladder, etc. of 102 S 003 A and 102 S 002 B.	P - 6 : One coat	F - 6 : Two coats
3	Platform/Gratings of 102 S 003 A and 102 S 002 B.	P - 6 : One coat	F - 7 : Two coats

Scope

Scope of work covered in the specification shall include without being limited to the following:

Spheres**1. 102 S 003 A**

Surface preparation by hydro blasting, wiping with cloth, drying, supply and application of one coat of primer P-0 and two coats of finish F-2 and paint of prescribed manufacturer as per specification, standard and instruction of Engineer in charge.

This specification defines the requirements for surface preparation, selection and application of paints.

2. 102 S 002 B

Removal of existing insulation, preparation of surface by hydro blasting and wiping with cloth, drying, supply and application of one coat of primer P-0 and two coats of finish F-2 and paint of prescribed manufacturer as per specification, standard and instruction of Engineer in charge and paint of prescribed manufacturer as per specification, standard and instruction of Engineer in charge.

Removal of Insulation of 102 S 002 B

Removal of existing Insulation provided on the sphere carefully, recouping aluminium sheets. Scrap insulation materials arising are to be segregated and cleared from the site immediately after removal and transportation of insulation to the designated location on daily basis as per the instruction of Engineer- in-charge.

CARE SHALL BE TAKEN TO PREVENT THE DAMAGE OF TEMPERATURE FUSES AND ITS RELATED COPPER TUBES WHICH IS PROVIDED AROUND THE SPHERES AT DIFFERENT ELEVATIONS.

Surface Preparation

- Surface preparation by hydro blasting. You shall ensure proper cleaning of the surface by hydro blasting machine of sufficient capacity and pressure. Details are given separately.
- Surface preparation of the items to be painted shall be in contractor's scope as per the specification, by hydro blasting and manual by using wire brushes, scrapers, and emery paper etc. As the work is to be carried out at hazardous areas like LPG, non sparking tools like brass wire brush and brass scrapers should be used. After surface preparation, the area should be wiped off by cloths and it should get approved by the Engineer-in-Charge before the application of paint. Please note that no surface preparation should be started unless our site Engineer gives the clearance. In all the cases surface preparation should be as per SSPC – SP – 2 – 63 which is enclosed.
- In order to achieve the maximum durability, one or more of following methods of surface preparation shall be followed, depending on condition of steel surface and as instructed by Engineer-in-Charge. Adhesion of the paint film to surface depends largely on the degree of cleanliness of the metal surface. Proper surface preparation contributes more to the success of the paint protective system. Mill scale, rust scale and foreign matter shall be removed fully to ensure that a clean and dry surface is obtained. The minimum acceptable standard in case of hand and hydro blast cleaning shall be Sa 2. As per Swedish Standard SIS 055900 - 1967 and in case of blast cleaning shall be SA 2½ as per Swedish Standard SIS 055900 - 1967.

Care to be taken to prevent the damage of temperature fuses provided around the spheres.

Procedure of Surface Preparation

Hydro blasting and Manual/hand tool cleaning

Hand tool cleaning normally consists of the following:

- a. Hand de-scaling
- b. Hand scraping shall be permitted with non sparking scrapers/tools only
- c. Hand wire brushing shall be with non sparking type brushes only

- Rust, mill scale spotters, old coatings and other foreign matter shall be removed by Scrapping tools or emery paper cleaning/wire brushing or combination of the above methods. On completion of cleaning, loose material shall be removed from the surface by clean rags and the surface shall be brushed, swept, de-dusted and blown off with compressed air to remove all loose matters.
- Irrespective of the method of surface preparation, the first coat of primer must be applied by brush on dry surface. This should be done immediately and in any case within 4 hours of cleaning, drying of surface. However, at times of unfavourable weather conditions, the Engineer-in-Charge shall have the liberty to control the time period, at his sole discretion and/or to insist on recleaning, as may be required, before primer application is taken up. In general, during unfavourable weather conditions, blasting and painting shall be avoided as far as practicable.

Codes & Standards

- Without prejudice to the General/Technical Specification is given and the detailed specifications of the contract, the following codes and standards shall be followed for the work covered by this contract. IS : 5 - Colours for ready mixed paints and enamels. IS : 101 - Methods of test for ready mixed paints and enamels IS : 2074 - Specifications for ready mixed paints, red oxide zinc chrome priming IS : 2379 - Colour code for identification pipe lines IS : 2932 - Specification for enamel, synthetic exterior (a) undercoating (b) finishing Swedish standard No. 055900 - 1967 - This standard contains photographs of the various standards on four different degrees of rusted steel and as such is preferable for inspection purpose by the Engineer - in - Charge.
- The paint manufacturer's instructions shall be followed as far as possible at all times. Particular attention shall be given to the following:
 - a. Proper storage to avoid exposure, as well as extremes of temperature.
 - b. Surface preparation prior to painting
 - c. Mixing and thinning
 - d. Application of paints and the recommended limit on time intervals between coats.
- Any painting work including surface preparation on piping or equipment shall be commenced only after the system tests have been completed and clearance for taking up painting work is given by the Engineer-in-Charge, who may, however, at his discretion authorize in writing for, the taking up of surface preparation or painting work in any specific location, even prior to completion of system test.
- Work includes arrangements of necessary storing facilities for the paints, consumables etc. deploying man power like supervisory staff, skilled, semiskilled and unskilled workmen, erection of steel scaffolding at all elevations, providing all tools, tackles, ladders, platform, brushes etc. and other items that may be required to be arranged by the Contractor for the timely and adequate execution of work. Only steel scaffolding shall be used at work site, and in any case wooden scaffolding are not permitted. For spray painting all accessories to be provided by the Contractor.
- Contractor shall have to provide paint/coating thickness measurement instrument with the required range for measuring DFT (Dry Film Thickness) of each coat. DFT of each coat of paint applied to be taken and accepted by the Engineer-in-Charge before the application of the next coat.

- It is to be noted that, all the items required to be painted shall be subjected to the availability of site clearance permit from the concerned department. Surface preparation and painting work can be started only after getting the site clearance permit from the related departments.
- The quantity shown in the area required to be painted are approximate only and it can vary based on the actual site condition of the painted surface of various equipments and availability of the clearance from the Departments. Also it may be noted that, for spray painting on gratings, only top full surface area will be considered for taking measurements (ie. Running square meter basis).
- While bringing paints to the plant, the paint containers should be weighed at our weigh bridge and same may be available for inspection by the Engineer-in-Charge. The details of the weighed quantity and the copy of material declaration form have to be handed over to the Engineer-in-Charge for verification. Only after the verification of the Engineer-in-Charge the paints shall be brought to the contractor's store. Reconciliation statement of quantity of paint used with respect to spread rate and the actual area painted should be submitted by the Contractor for the various painting systems asked for. (The volume of solids of various painting system is given in the **Annexure**. Bidders have to confirm the volume of solids of each painting system, which they have quoted before submitting the tender. Test certificate of paints of various painting system indicating the volume of solids, should be submitted to the Engineer-in-Charge along with the supply of paints. Time shall be the Essence of the Contract. Our GCC is applicable to this job.

Application Areas

The area shown in the schedule of rates are only indicative and that the said areas may be changed and decided during the discussion /execution of the contract. However, the rate shall be same throughout the pendency of work.

The following details shall also be included:

- All technical details like name of paints, technical data sheet, no. of coats, DFT of each coat, spread rate, etc. of the paint proposed to be used by the party as per HOCL's requirements.
- The certificate from the paint manufacturer that they will be supplying the required paints as per HOCL's requirements.

Structural, Piping, Staircase, Hand Rails, Ladder, etc.

Surface preparation, supply and application of one coat of P - 6 and two coats of F-6 as per codes, standard with colour and paint of prescribed manufacturer as per specification and standard and as per instruction of Engineer-in-Charge for the structural, stair case, hand rails, monkey ladder, pipes of fire water and LPG piping at higher elevation connected to spheres (around the spheres) and flare stack piping at all elevations.

Platform/Gratings

Surface preparation, supply and application of one coat of P - 6 and two coats of F - 7 as per codes standard with colour and paint of prescribed manufacturer as per specification, standard and as per instruction of Engineer-in-Charge.

Provide all tools, tackles, ladders, platforms, brushes etc. and other items as may be required to be arranged by the Contractor for the timely and adequate execution of work. Only steel scaffolding shall be used at work site and in any case wooden scaffolding will not be permitted. For spray painting all accessories to be provided by the Contractor.

Surface preparation of the items to be painted shall be in your scope as per the specification and by using wire brushes and emery paper etc. in hazardous area like LPG etc., non sparking tools like brass wire brush and brass scrapers should be used. After the surface preparation the area should be wiped off by cloths and it should get approved by the Engineer – in – Charge before the application of paint. Please note that all surface preparation should be as per SSPC-SP-2-63.

Contractor shall have to provide thickness measurement instrument with the required range for measuring the DFT (Dry film thickness) of each coat. DFT of each coat of paint applied to be taken and accepted by the Engineer-in-Charge before the application of the next coat.

It is to be noted that all the items required to be painted shall be subjected to the availability of site clearance permit from the concerned dept. Surface preparation and painting work can be started only after getting the site clearance permit from the related departments.

The quantity shown in the area required to be painted are approximate only and it can vary based on the actual site condition of the painted surface and availability of the clearance from the various departments. Also it may be noted that, for spray painting on gratings, only top full surface area will be considered for taking measurements. (ie. Running M² basis).

While bringing paints to the plant the paint containers should be weighed at our weigh bridge and same may be made available for inspection by the Engineer-in-Charge. The details of the weighed quantity and the copy of material declaration form have to be handed over to the Engineer-in-Charge for verification. Only after the verification of the Engineer in charge, the paints shall be brought to the contractor's store. Reconciliation statement of the quantity of paint used with respect to spread rate and the actual area painted should be submitted by the Contractor for the various painting system asked for. The volume of solids of various painting system is given in the **Annexure**. Bidders have to confirm the volume of solids of each painting system which they have quoted while submitting the Tender. Also test certificates of paints of various painting system indicating the volume of solids, should be submitted to the Engineer-in-Charge along with the supply of paints.

Surface Preparation by Hydro blasting

1. Cleaning by using hydro blasting method, outside surface of the Horton Sphere as per instruction and certification of Engineer-in-Charge at all elevations.
2. Since the equipments/sphere is located inside explosive licensed area, the hydroblasting machine shall be located outside the fencing and the high pressure hose shall have sufficient length so as to reach the furthest point of work.
3. Contractor has to bring hydro blasting machines, all types of the tube cleaning adapters, tools, tackles, sufficient length of high pressure hoses (150 Mtrs.), cables etc. whatever required for the satisfactory completion of work at his cost. HOC will not provide any transportation charge for the same. However, unloading and loading of the machines will be arranged by HOC.

4. CONTRACTOR SHALL BRING REQUIRED NUMBER OF HYDROBLASTING MACHINE WHICH ARE IN WORKING CONDITION HAVING DISCHARGE PRESSURE OF 500 BAR (MIN.) AND DISCHARGE CAPACITY OF 70 LTRS./MIN.
5. HOC will provide free water, electricity and air at one point for each machine.
6. You have to ensure the proper cleaning of the outside surface by using the hydro blasting machine of sufficient capacity/sufficient pressure.
7. Surface of the sphere after hydro blasting shall be properly dried, wiped off thoroughly with cotton before application of primer.

Paint Manufacturers

The paints shall conform to the specifications given above and Class - I quality in their products, range of any of the following manufacturers.

- a. Asian Paints (India) Ltd:
- b. Bombay Paints
- c. Berger Paints India Ltd:
- d. Goodlass Nerolac Paints Ltd:
- e. Garware Paints
- f. Jenson & Nicholson
- g. Shalimar Paints

Storage

All paints and painting material shall be stored only in rooms to be provided by contractor and approved by Engineer-in-charge for the purpose. All necessary precautions shall be taken to prevent fire. The storage building shall preferably be separate from adjacent building. A sign board bearing the words "PAINT STORAGE - NO NAKED LIGHT - HIGHLY INFLAMMABLE" shall be clearly displayed outside.

Guarantee

Contractor has to provide guarantee for two years for Performance and workmanship for which an amount of 10% of the total executed value will be withheld for a period of two years or shall be released against Bank Guarantee for an equivalent amount and period.

A Joint Guarantee Certificate has to be submitted to HOC by the Contractor and paint manufacturer in the event of an order.

Note:

1. Covering capacity and DFT depends on method of application. Covering capacity specified above are theoretical. Allowing the losses during application, minimum specified DFT should be maintained.
2. All primers and finish coats should be cold cured and air drying unless otherwise specified.
3. All painting should be applied in accordance with manufacturers instructions for surface preparation, intervals, curing and application. The surface preparation, quality and workmanship should be ensured.
4. Technical data sheets for all paints shall be supplied at the time of submission of quotations.

Annexure

1	Primer (P - 0) - Self Priming High Build Primer equivalent Burger Protecto Mastic	
	Type	Two pack cured with polyamidoamine.
	Composition	Modified epoxy with special catalyst suitably pigmented.
	DFT	120 - 150 microns/coat (min)
	Covering capacity	6 - 9 M ² /Lit/coat
2	Primer (P - 6) - Epoxy Zinc Phosphate Primer	
	Type	Two pack.
	Composition	Polyamide cured epoxy resin medium pigmented with Zinc Phosphate
	Volume solids	40% (min.)
	DFT	35 microns/coat (min)
	Covering capacity	11 - 12 M ² /Lit/coat
3	Finish Coats	
	Finish Coat (F - 1) - Synthetic Enamel	
	Type	Single pack.
	Composition	Acrylic medium pigmented with superior quality water and weather resistant pigment.
	Volume solids	30 - 40%
	DFT	20 - 25 microns/coat (min)
	Covering capacity	16 - 18 M ² /Lit/coat
4	Finish Coat (F - 2) - Acrylic Polyurethane Paint	
	Type	Single pack.
	Composition	Acrylic resin and isocyanate hardener suitably pigmented
	Volume solids	40% (min)
	DFT	30 - 40 microns/coat (min)
	Covering capacity	10 - 12 M ² /Lit/coat
5	Finish Coat (F - 7) - Coal Tar Epoxy	
	Type	Two pack.
	Composition	Polyamide cured epoxy resin blended with Coal Tar.
	Volume solids	65% (min.)
	DFT	90 - 100 microns/coat (min)
	Covering capacity	6 - 6.5 M ² /Lit/coat
6	Finish Coat (F - 6) - Epoxy Coating	
	Type	Two pack.
	Composition	Polyamide cured epoxy resin medium suitably pigmented
	Volume solids	60 - 65%
	DFT	35 microns/coat (min)
	Covering capacity	6 - 6.5 M ² /Lit/coat

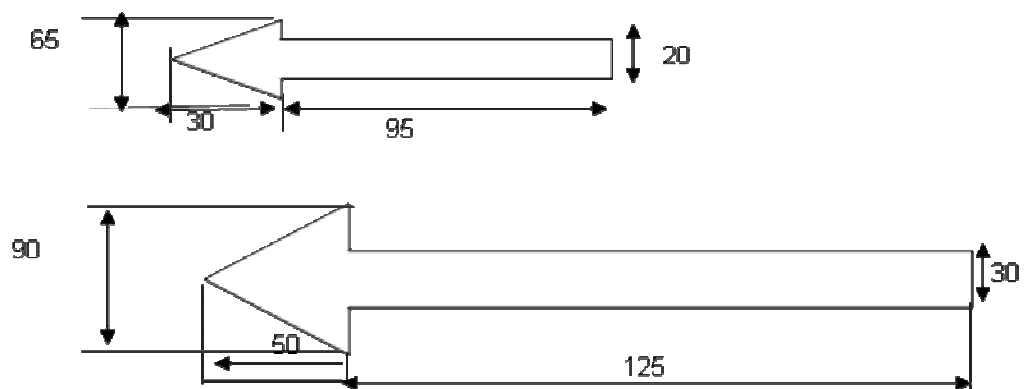
Colour Code for Piping

1. For identification of pipelines, the colour code should be used as per the code given.
2. The colour code scheme is intended for identification of the individual group of the pipe line. The system of colour coding consists of a ground colour and colour bands superimposed on it.
3. Colours as per the code shall be applied throughout the entire length for non-insulated pipes. For insulated pipes colour coating of 2M length shall be applied over the aluminium sheeting of places requiring colour bands, colour band (s) shall be applied at the following location.

- At battery limit paints
- Intersection in piping rack
- Other paints, such as midway of each piping rack, near valves, junction joints at service appliances, wall etc.
- For long stretch/year piping at 50M interval
- At start and terminating point

Identification Sign

- Flow direction shall be indicated by an arrow in the location stated in para a, b, c & d and as directed by Engineer-in-Charge.
- Colours of arrows shall be black or white and in contrast to the colour on which they are superimposed.
- Size of arrow shall be either of the following :



Colour Bands

As a rule width of colour band shall conform to the following tables:

<u>Nominal Pipe Size</u>	<u>Width : L (mm)</u>
3" NB and bellow	75
Over 3" NB upto 4" NB	Nominal Pipe size * \times 25
Over 4" NB upto 12"OD	Nominal Pipe size * \times 50/3
Over 14" OD & Over	Nominal Pipe size * \times 15

Inspection and Testing

- All painting materials including primers and thinners brought to site by contractor for application shall be procured from reputed manufacturers as per specifications and shall be accompanied by manufacturer's test certificates. In case such certificates are not available, Engineer-in-Charge may direct the contractor to have the materials tested in accordance with relevant specifications of owner/outside laboratories accepted by Engineer-in-Charge, and all costs there shall be borne by the contractor

- Engineer-in-Charge at his discretion, may call for additional tests in materials accompanied by manufacturers test certificates.
- The painting work shall be subject to inspection by Engineer-in-Charge at all times. In particular, following stage inspection will be performed and contractor shall offer the work for inspection and approval at every stage before proceeding with next stage. The record of inspection shall be maintained. Stages of inspection are as follows:
 - a. Surface preparation
 - b. Primer application
 - c. Each coat of paint

Any defect noticed during the various stages of inspection shall be rectified by the contractor to the entire satisfaction of Engineer-in-Charge before proceeding further. Irrespective of the inspection, repair and approval at intermediate stages of work, contractor shall be responsible for making good any defects found during final inspection/guarantee period/defect liability period as defined in general condition of contract. Dry film thickness (DFT) shall be checked and recorded after application each coat.

Primer Application

- After surface preparation, the primer should be worked by brush application to cover the crevices, corners, sharp edges etc. in the presence of inspector nominated by Engineer-in-Charge.
- The shades of successive coats should be slightly different in colour in order to ensure application of individual coats. The thickness of each coat and complete coverage should be checked as per provision of this specification. This should be approved by Engineer-in-Charge before application of successive coats.
- The contractor shall provide thickness measuring instrument (ELKOMETER) with appropriate ranges(s) for measuring dry film thickness of each coat.
- Prior to application of paints on surfaces, the thickness of the individual coat shall be checked by application of each coat of same paint on test M.S.Panel. The thickness of paint on test panel shall be determined by using thickness gauge such as "Elkometer". The thickness of each coat shall be checked as per provision of this specification. This shall be approved by Engineer-in-Charge before application of paints on the surface of chimney.
- At the discretion of Engineer-in-Charge, the paint manufacturer must provide the expert technical service at site as and when required. This service should be free of cost and without any obligation to the owner, as it would be in the interest of the manufacturer to ensure that both surface preparation and applications are carried out to their recommendations.
- Final inspection shall include measurement of paint dry film thickness, check of finish and workmanship. The thickness should be measured at as many points/locations as decided by Engineer-in-Charge and shall be within $\pm 10\%$ of the dry film thickness.

HINDUSTAN ORGANIC CHEMICALS LIMITED

(A Government of India Enterprise)
Ambalamugal P.O.,Ernakulam District, Kerala – 682 302.

Tender Ref. No: MEC30199

Name of Work: PAINTING OF HORTON SPHERES

GENERAL TERMS AND CONDITIONS OF THE TENDER

THIS DOCUMENT TO BE SIGNED AND STAMPED BY BIDDER ON ALL PAGES AND SUBMITTED ALONG WITH THE E-TENDER

Pre-Qualification Criteria (to be included in the Technical Bid)

The Tenderers shall submit the following in the Technical bid (Un priced Bid) without which the tender will be rejected.

- Complete set of Tender Document marked "**ORIGINAL**" duly filled in and signed by the Tenderer as prescribed in different clauses of the Tender Document.
- GCC duly filled in the relevant portions, signed and stamped all the pages by the tenderer (The tenderers have to download the GCC (General Conditions of Contract) from our web site www.hoclkochi.com and the same has to be returned along with the technical bid duly signed and stamped in all pages.
- **Earnest Money in the manner specified in the RFQ.**
- Information regarding Average Annual Financial Turnover of the Tenderer as stipulated in Clause.1
- Details of work of similar type and magnitude carried out by the Tenderer as stipulated in Clause.2.
- Organization chart giving details of field management at SITE the Tenderer proposes to have for this WORK including bio-data of the Site-in Charge and key personnel.
- The bidder should have well qualified workforce in adequate numbers for handling various stages of the work. **The staff/workers details are to be furnished.**
- The bidder should have adequate number of equipments/tools/tackles in sound condition for the execution of the work within the stipulated time. **THE EQUIPMENT DETAILS SHOULD BE FURNISHED.**
- **Exceptions and deviations, if any, with reference to the Clause No. and page No. of Tender shall be submitted as a separate statement (Deviation Statement)**
- Any other technical information the Tenderer likes to furnish.

Clauses :

1. Average annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least **₹5.5 lakhs**.
2. Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following:

Three similar completed works costing not less than the amount equal to **₹7.3 Lakhs**.
OR
Two similar completed works costing not less than the amount equal to **₹9.1 Lakhs**.
OR
One similar completed works costing not less than the amount equal to **₹14.7 Lakhs**.
3. The parties who have been blacklisted / put in holiday list or parties in respect of whom action has been initiated for Blacklisting / Holiday listing by HOCL/any government / Quasi government agencies or any PSUs shall not be considered for award of job. The tenderer should give a written declaration regarding the same.
4. In addition to Clause No.3.7 of our GCC, the tenderer who do not meet the basic requirements (technical / commercial) as per the tender enquiry document and any other important condition having significant bearing on the cost / utility / performance of the required goods, services etc. will be treated as unresponsive and the tender will be liable to rejection.

EARNEST MONEY DEPOSIT

Quotation shall accompany an EMD of **₹13,760/-** shall be paid by crossed DD/Bankers Cheque. Details of bank transfer should be indicated in your technical offer. Quotations not accompanied with EMD, are liable to be rejected.

EMD of the tenderer will be forfeited under the following conditions:-

1. If after opening of the tender, the tenderer revokes his tender or increase his quoted rates.
2. If the tenderer does not commence the work after awarding the contract.
3. No interest on EMD will be paid.
4. EMD of the successful tenderer will be adjusted against the security deposit.
5. EMD of unsuccessful bidders shall be refunded after finalization of the contract and no interest shall be payable.
6. The tender is revoked or varied during its validity period.
7. The Prices are increased unilaterally after the tender opening and during its validity.
8. The tenderer after intimation of acceptance of the tender fails to execute the agreement/or furnish security deposit within the stipulated time.

RATES

Rates quoted shall be inclusive of all taxes, duties, octroi and other levies etc. GST, in case applicable shall be paid extra. The bidder should have GST registration with Central Excise Department.

SECURITY DEPOSIT

Total security deposit shall be 10% of contract value/actual value of work.

Initial security deposit @ 2.5% of the contract value shall be remitted with HOCL, Kochi within 21 days from the date of receipt of Work Order.

Balance 7.5% will be recovered from the 1st and subsequent running bills/final bill against security deposit at a rate of 10% of the value of each running bill till the total security deposit is collected.

LIQUIDATED DAMAGES

If the work is not completed within the stipulated time, the contractor is liable to pay a LD of ½% of the total contract value **PER DAY** of the delay or part there of subject to a maximum of 5% of the contract value.

PERIOD OF CONTRACT

The period of the contract shall be **ONE YEAR** from the date of issue of work order.

SCOPE OF SUPPLY

MATERIALS

a. Contractor's Scope

Supply of all paints, (finish and primer), thinners, all consumables etc. for the satisfactory completion of work. Arrangements of necessary storing facilities for the paints, consumables etc. will be arranged by the contractor. Deploying manpower like supervisory staff, skilled, semiskilled and unskilled manpower etc. as per the scope of work will be arranged by the contractor.

b. HOCL's Scope

HOCL will provide air, water and electricity at one point free of cost.

TOOLS AND TACKLES

a. Contractor's Scope

Spray painting equipment with all accessories required for spray painting (if required), all tools, tackles, ladders, platform, brushes, steel scaffolding, DFT Meter etc. as per the scope of work has to be arranged by the contractor.

b. HOCL's Scope

Nil.

TIME OF COMPLETION

Time of completion shall be **30 days** from the date of intimation to start the work.

VALIDITY OF THE TENDER

The tender shall be kept valid for acceptance for a period of THREE months from the last date prescribed for receipt of the tender.

A Tenderer shall not be entitled during the said period of three months without the consent in writing of the company to revoke or cancel his tender or to vary the tendered rate or any terms thereof.

PRICE

The Contract will be awarded on fixed all-inclusive price unless otherwise specified. All rates in the tender shall cover applicable taxes, levies and duties. However applicable GST will be paid by HOCL subject to the successful tenderer having GST registration with Central Excise.

The price shall be quoted both in figures and words. In case a tenderer has quoted two different prices in words and figures the lower of the two will be considered valid and binding on the tenderer.

PAYMENT TERMS

90% payment will be released after completion of work and certification by Engineer-In-Charge.

Balance 10% payment will be made after defect liability period of one year or on production of PBG for the said amount.

CONTRACT PREFERENCE

Contract / Price Preference or any other concessions applicable for **MSME / SSI Units /PSUs** will be as per latest Government of India Directives. For availing this benefit, the bidder shall make their claim in the Technical Bid itself and enclose necessary documentary evidence to prove their eligibility.

DEFECT LIABILITY PERIOD

As per GCC.

OTHER TERMS AND CONDITIONS

GENERAL CONDITIONS OF CONTRACT (GCC) OF HOCL

The General Conditions of Contract of the company is applicable to, and forms part of the contract. The General Conditions of Contract of HOCL is available in the office of The Chief General Manager (P&A) of HOCL, Ambalamugal or can be downloaded from our Web site www.hoclkochi.com.

RIGHT TO ISSUE ADDENDUM

The company reserves the right to issue any addendum to the tender document to clarify/amend/supplement and/ or delete any of the conditions, clauses or terms stated in the tender documents. Each addendum issued shall be distributed to the tenderer or his authorized representative and each such addendum shall become part of the tender documents.

DUE DATE & TIME: Due date for submission of tender is (Closing date) **10/02/2020 at 02.00 pm.**

OPENING OF BIDS: The Technical Bids will be opened on **11/02/2020 at 02.00 PM** electronically. Technically acceptable bidders will be informed about the date and time of opening of the price bids by emails.

VALIDITY OF OFFER: Offer shall be valid for a minimum period of 90 days form the last date of submission stipulated for the tender.

SUBMISSION OF BIDS: Refer Annexure I.

PRICE BID SUBMISSION-BOQ: Bidders are requested to note that they should necessarily **submit their financial bids in the format provided and no other format is acceptable.** If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. **Bidders are required to download the BOQ file, open it and complete the blue coloured (unprotected) cells with their respective financial quotes and other details** Refer Instructions to Bidder for Online Bid Submission. **(such as name of the bidder).** No other cells should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.

RIGHT TO REJECT A BID: HOCL reserves the right to reject any bid due to reasons such as (a) Vendor not following above bidding procedures (b) Vendor not being technically acceptable to HOCL (c) Not enclosing EMD with the techno commercial bid or EMD paid being lesser than the stipulated amount (d) Vendor not agreeing with the general conditions of the tender. (e) Not enclosing any particular documents asked for (f) Any other valid reasons.

SIGNING & STAMPING ON ALL PAGES OF BIDS: The vendor shall sign and stamp on all the pages of the bids uploaded, failing which bids are liable to be rejected.

HINDUSTAN ORGANIC CHEMICALS LIMITED

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Name of Work: PAINTING OF HORTON SPHERES

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SPECIAL CONDITIONS OF CONTRACT

1. All manpower, tools, tackles, ropes, wire brushes, wheel barrows etc. whatever required for the work are to be arranged by the contractor. **A list of tools and tackles intended to be brought for the work by the contractor has to be kept along with the bid.**
2. Safety Helmets, safety shoes, goggles, safety belts and other PPEs etc. for the workmen and supervisor employed for the work are to be arranged by the contractor.
3. No work to be carried out without wearing safety gadgets (PPEs), work order and safety work permit by the employees of the contractor.
4. This work is of urgent nature and you have to put all efforts to complete the work in time. Also you have to deploy people on round the clock basis if situation warrants as per the instruction of Engineer-in-Charge.
5. The entire work is to be carried out as per the standard engineering practice and subjected to stage inspection by HOC/3rd party inspection agency.
6. All debris, waste etc. arising out of the job should be segregated weighed, transported and dumped into the scrap yard as per the instruction of Engineer-in-Charge at your cost. The contractor also has to abide by the guidelines for Environmental Protection.
7. HOC has every right to stop the work if the progress and quality of work is found unsatisfactory. The balance work will be carried out by HOC through another agency at the cost and risk of the first contractor.
8. Contractor has to mobilise the complete team with necessary tools and tackles within 24 hours from the time of intimation to start the work.
9. Either the contractor or his authorised supervisor shall be available at work site throughout the work.
10. The quantity shown can vary ie. Increase or decrease depending upon the situation. However, the rate and other terms and conditions shall be same throughout the pendency of the contract for which the contractor shall be ready.
11. Appropriate insurance shall be arranged by the contractor for the coverage of the liability to the people employed by them, arising out of any accident occurring during the execution of the work.
12. The Contractor shall follow all clause in Annexure –A, B & C like ESI, Safety Regulations and General Conditions of Contract, Workmen Compensation, Personal Protective Equipments (PPE), Labor Laws, PF, Guidelines to contractors / suppliers for environmental protection & Confined Space Entry
13. Contractor shall get prior permission from the Engineer-in-Charge for bringing the material to HOC.
14. YOU ARE REQUESTED TO VISIT THE SITE TO ASCERTAIN THE EXACT QUANTUM OF WORK/SITE CONDITION BEFORE SUBMITTING YOUR OFFER.

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Name of Work: PAINTING OF HORTON SPHERES

CHECK LIST

THIS DOCUMENT TO BE SIGNED AND STAMPED BY BIDDER ON ALL PAGES AND SUBMITTED ALONG WITH THE E-TENDER

PRO-FORMA-TECHNICAL BID

DETAILS OF CURRENT COMMITMENTS (COPIES OF WORK ORDERS TO BE UPLOADED), ANNUAL FINANCIAL TURN OVER (DOCUMENTARY PROOF TO BE UPLOADED), DETAILS OF EMD SHALL BE FILLED IN THE FORMAT AND UPLOADED ALONG WITH THE TECHNICAL BID.

1. Details of previous experience(Copies of experience certificates and work orders to be attached)

Sl No.	Name of the Industry/Firm	Period of Contract		Work Order
		From	To	Value Rs.

2. Details of annual financial turnover during the last 3 years. Documentary Proof to be signed, stamped, scanned and uploaded)

Financial Year: Turnover:

2015 - '17 - `

2016-'18 -

2017-'19 -

3. Details of EMD enclosed:

DD No. _____ Dated _____ Amounting to _____

Name of the Bank : _____.

4. Organization chart as per Clause 6 of Pre-Qualification is uploaded (Yes/No)
5. Details of Income Tax return submitted for the last 3 year (Copies to be signed, stamped, scanned and uploaded) (Yes/No)
6. Scope of work, general terms and conditions, special conditions of contract, Annexure A, B & C (complete set of tender documents) to be signed and stamped on all pages, scanned and uploaded.
7. Equipment/tools list is uploaded (Yes/No)
8. Declaration statement as per Clause 10 of Pre-qualification is uploaded (Yes/No)
9. Annexure D - duly filled, signed and stamped, scanned and uploaded.

Signature of the Tenderer :

Name of the Tenderer :

Address :

Place :

Date :

COMPLIANCE / NO-DEVIATION STATEMENT

Name of work: **PAINTING OF HORTON SPHERES**

Tender Ref: **MEC30199**

It is hereby stated that the quotation/offer submitted by us is in full compliance with the documents issued against the enquiry and also further confirmed that there is no deviation from all the terms and conditions as per the enquiry.

Signature of the Tenderer :

Name of the Tenderer :

Address :

Place :

SEAL

Date :

ANNEXURE – A

ESI, PF, LABOUR LAW ETC. – REQUIREMENTS

1. ESI As per the ESI Act 1948

The Contractor shall enroll all his men deployed for the work in the ESI scheme. Registration for all workmen under ESI scheme is also to be complied with.

2. Safety Regulations and General Conditions of Contract

The Contractor should be strictly abide all the safety regulation of HOC specified in GCC. Contractor should obtain necessary safety work permit from authorised officer before starting the work every day, in every shift.

3. Workmen Compensation

It will be your responsibility to meet all claims for compensation under workmen's Compensation Act 1923. ESI or under any other law in respect of sickness, accidents injury or death suffered by workmen engaged by you for carrying out the work. It shall be the sole responsibility of the contractor to comply with Employee's State Insurance Act 1948. You will also be responsible and liable in respect of claims for damage to property or persons arising from or in the course of execution of the contract work undertaken by you. You hereby agree that you shall keep HOC fully indemnified in respect of claims under the Workmen Compensation Act and all other claims aforesaid and you shall not under any circumstances raise any dispute with regard to the same.

4. Personal Protective Equipments (PPE)

You are requested to use personal protective equipment such as

1. Safety Helmet
2. Safety belts
3. Welder's Personal Protective equipment like goggles, gloves, shoes and face shield

It is the basic responsibility of the Contractor to provide all the safety gadgets (PPE's) as mentioned above to all their Supervisors/Workers.

And without these PPE's Contractor will not be allowed to carryout any job, which may please be noted.

5. Labour Laws & Provident Fund

You are requested to possess:

1. A Licence from the Labour Dept. under Contract Labour (Regulation and Abolition) Act 1970.
2. A separate PF Code under the Employee PF Act – 1952 and also furnish details of CPF Contribution payment made with the Regional PF Commissioner.

अनुबंध “ क”

इएसआई,पीएफ श्रम कानून आदि - अपेक्षाएं

1.इएसआई अधिनियम 1948 के अनुसार इ एस आई

ठेकेदार काम के लिए तैनात अपने सभी कामगारों को इएसआई योजना के तहत नामित करेगा ।
इएसआई योजना के अधीन सभी कामगारों के लिए पंजीकरण का अनुपालन किया जाना है॥

2.संविदा की सुरक्षा विनियम और सामान्य शर्तें

ठेकेदार संविदा के सामान्य शर्तों में निर्धारित एचओसी के सभी सुरक्षा विनियमों का संख्ती से पालन करेगा । ठेकेदार को प्रतिदिन प्रतिशिफ्ट में काम शुरू करने के पहले प्राधिकृत अधिकारी से आवश्यक सुरक्षा कार्य परमिट प्राप्त करना चाहिए ।

3. कामगार क्षतिपूर्ति

कर्मचारी क्षतिपूर्ति अधिनियम 1923 के तहत क्षतिपूर्ति के लिए सभी दावों का वहन करना आपका दायित्व होगा । कार्य करने के लिए आपके द्वारा तैनात कामगार बीमारी,दुर्घटना,चोट या मृत्यु से पीडित होने में इ एस आई या अन्य किसी नियम के अधीन दायित्व आपका रहेगा । कर्मचारी राज्य बीमा अधिनियम 1948 का अनुपालन करना ठेकेदार का पूर्ण दायित्व होगा। आपके द्वारा लिए गए संविदा कार्य के निष्पादन के दौरान होनेवाले संपत्ति या व्यक्तियों के नुकसान हेतु दावे के लिए आप उत्तरदायी और ज़िम्मेदार रहेगा । आप एतद्वारा सहमत है कि आप कामगार क्षतिपूर्ति अधिनियम और उपर्युक्त अन्य सभी दावों के तहत एच ओ सी को पूर्ण रूप से मुक्त करेंगे और आप इस संबंध में किसी भी परिस्थिति में कोई तर्क नहीं उठाएगा ।

4.निजी सुरक्षा उपकरणों (पी पी ई)

आप से अनुरोध है कि निम्नलिखित निजी सुरक्षा उपकरणों का उपयोग करें

- 1.सेफ्टी हेलमेट
- 2.सेफ्टी बेल्ट
- 3.वेलडरों की निजी सुरक्षा उपकरणों जैसे गोगलस ,ग्लौस ,शूप्स एण्ड फेस शील्ड
4. गोगलस और फेस शील्ड

यह ठेकेदार का मूल दायित्व है कि वे अपने सभी पर्यवेक्षकों/कामगारों को ऊपर कहे गए सभी सुरक्षा उपकरणों (पी पी ई) प्रदान करें ।

यह भी कृपया नोट करें कि इन सुरक्षा उपकरणों के बिना ठेकेदार को कोई काम करने की अनुमति नहीं दी जाएगी ।

5.श्रम कानून एवं भविष्य निधि

आपसे अनुरोध है कि आपके साथ -

- 1.श्रम विभाग से संविदा श्रम (विनियम एवं उन्मूलन) अधिनियम 1970 के तहत एक लाइसेंस।
- 2.कर्मचारी भविष्यनिधि अधिनियम 1952 के अधीन एक अलग पी एफ कोड हो और क्षेत्रीय भविष्य निधि आयुक्त के साथ किए गए सीपीएफ अंशदान के भुगतान संबंधी विवरण भी प्रस्तुत करें ।

6. Guidelines to Contractors/Suppliers for Environmental Protection

- Contractors/suppliers shall ensure that impact due to the environmental aspects of goods and services is minimum.
- Effluent generated during the activity is to be routed to effluent treatment plant as per the instructions given by the Engineer-in-Charge.
- Hazardous waste generated during the activity is to be disposed in accordance with Hazardous Waste (Management & Handling) Rules as per the instructions given by the Engineer-in-Charge.
- All other solid wastes are to be disposed as per the instructions given by the Engineer-in-Charge.
- Avoid leaks and spills to minimise the impact on environment. In the case of any leaks/spills immediately inform Engineer-in-Charge to take appropriate corrective action.
- If the item handled falls under hazardous category, please ensure that:
 - a. Product literature including MSDS/TREM Card etc. accompany the consignment.
 - b. Packing and labeling are in accordance with the requirement of Manufacture, Storage & Import of Hazardous Chemicals Rules.

7. B. Confined Space Entry

If entry into a confined space (like inside entry to columns, heat exchanger shells, vessels, filters, spheres, bullets, boilers etc.) is a part of the work, contractor should register the name and other details in the register kept for the purpose each time. All safety regulation has to be adhered and permit to be obtained before entering into a confined space. Also after coming out from the confined space, the worker/supervisor has to report to the Engineer-in-Charge each time without fail. Any deviation in this register will not be permitted in any case.

6 पर्यावरण संरक्षण के लिए ठेकेदारों/आपूर्तिकर्ताओं को दिशा – निर्देश :

* ठेकेदार/आपूर्तिकर्ता यह सुनिश्चित करें कि सामग्रियों और सेवाओं की वजह से पर्यावरण पहलुओं पर प्रभाव न्यूनतम हो ।

* इस गतिविधि के दौरान सृजित एफ्लुवेन्ट को इंजीनियर प्रभावी द्वारा दिए गए अनुदेशों के अनुसार एफ्लुवेन्ट ट्रीटमेंट प्लांट से छोड़ दें।

* इस गतिविधि के दौरान सृजित जोखिम अवशिष्ट निपटान को प्रभारी इंजीनियर द्वारा दिए गए अनुदेशों के अनुसार जोखिम अवशिष्ट (प्रबंधन एवं उपयोग) नियमानुसार करना है ।

* अन्य सभी ठोस अवशिष्टों को प्रभारी इंजीनियर द्वारा दिए गए अनुदेशों के अनुसार निपटाना है ।

* पर्यावरण पर प्रभाव कम करने के लिए लीक एवं स्पिल से बचे । यदि कोई लीक / स्पिल हो तो सुधार कार्य करने के लिए प्रभारी इंजीनियर को तत्काल सूचित करें ।

* यदि उपयोगित मल जोखिम वर्ग में आता है तो यह सुनिश्चित करें कि :-

क) एम एस डी एस / ट्रेम कार्ड आदि सहित उत्पाद संबंधी विवरण सामग्री के साथ होना चाहिए ।

ख) जोखिम रसायन नियमावली के निर्माण, भंडार एवं निर्यात की अपेक्षा के अनुसार पैकिंग और लेबलिंग होना चाहिए ।

7. सीमित क्षेत्र प्रवेश

यदि काम के संबंध में सीमित क्षेत्र (जैसे कॉलम्स, हीट एक्सचेंजर, शेलस, वेसलस, फिल्टर्स, स्पीरिस, बुलेट्स, बोइलर आदि) में प्रवेश करना है तो ठेकेदार को इस उद्देश्य के लिए रखे गए रजिस्टर पर नाम और अन्य विवरण प्रत्येक समय दर्ज करना चाहिए । सीमित क्षेत्र में प्रवेश करने के पहले सभी सुरक्षा विनिमयों का पालन करना है और परमिट प्राप्त करना है । सीमित क्षेत्र से बाहर आते समय कामगार/ पर्यवेक्षक को प्रत्येक समय प्रभारी इंजीनियर को अवश्य रिपोर्ट करना है । किसी भी मामले में इस रजिस्टर से किसी प्रकार की विचलन की अनुमति नहीं दी जाएगी ।

ANNEXURE - B

LABOUR LAWS – CHECK LIST

1. Contract Labour (Regulation & Abolition) Act – 1970

Contractor should possess Labor License if he engages more than 19 workers at a time for a particular job.

2. ESI Act 1948

A worker whose wages (excluding Overtime Wage) does not exceed `15,000/- per month will be covered under the Act. Please note that workers can be allowed to work inside the Factory Premises / Township only after completing the following procedures:

- a. Those labourers already registered under ESI should submit their ESI card along with a copy.
- b. For new cases, the following documents are to be produced for registering under the Act:
 1. Registration form duly filled in by the worker concerned.
 2. Proof of identity – Address and Age (SSLC / Birth Certificate / Driving License / Passport, etc.)
 3. Family photograph – 2 Nos.
- c. For those workers whose wages is claimed to be more than `15,000/- per month should produce the following documents:
 1. An undertaking from his employer that his wage is more than `15,000/- per month and he is not required to be covered under ESI Act is to be submitted.
 2. A copy of the Personal Accident Policy showing that the worker is covered under the policy.

3. The EPF & MP Act – 1952

- a. The concerned worker has to file nomination form
- b. If already covered under the Act and Scheme, the related document to be submitted.

4. Interstate Migrant Workmen (Regulation of Employment and Conditions of Service) Act 1979

The contractor should possess License under this Act, if he engages 05 or more interstate migrant workmen on any day.

अनुबंध - 'ख'

विषय : श्रम कानून - जॉच सूची

1. संविदा श्रम (विनियम और उन्मूलन) अधिनियम -1970

प्रत्येक काम के लिए एक ही समय 19 से अधिक मजदूरों को लगाते समय ठेकेदार को श्रम लाइसेंस प्राप्त करना चाहिए।

2. कर्मचारी राज्य बीमा अधिनियम 1948

कामगार जिनका वेतन(समयोपरि भत्ता छोड़कर) प्रतिमाह 15000/-से अधिक न हो, इस अधिनियम के तहत आता है। कृपया ध्यान दें कि निम्नलिखित कार्यकलाप पूरा करने के बाद ही फैक्टरी परिसर/टाऊनशिप में कामगारों को काम करने की अनुमति दिया जाएगा।

क) इ एस आई के अधीन पहले ही पंजीकृत मजदूरों को इ एस आई कार्ड और उसकी एक प्रति प्रस्तुत करना चाहिए।

ख) नए मामले में, इस अधिनियम के अधीन पंजीकृत करने के लिए निम्नलिखित दस्तावेजों प्रस्तुत करना चाहिए।

1. संबंधित कामगार द्वारा यथाविधि भरे हुए पंजीकृत प्रपत्र।

2. पहचान के लिए प्रमाण - पता एवं आयु (एस एस एल सी, जन्म प्रमाण पत्र, ड्राइविंग लाइसेंस, पासपोर्ट आदि)।

3. परिवार के दो फोटो -

ग) ऐसे कामगार जिनका वेतन प्रतिमाह 15000/ से अधिक दावा दे रहे हैं, निम्नलिखित दस्तावेजों प्रस्तुत करनी चाहिए।

1. उनके नियोक्ता से यह वचनबंध प्रस्तुत करना है कि प्रतिमाह उनका वेतन रु. 15000/ से अधिक है और उन्हें इ एस आई अधिनियम के तहत शामिल करने की आवश्यकता नहीं है।

2. निजी दुर्घटना पॉलिसी की एक प्रति इसमें यह दर्शाता है कि कामगार इस पॉलिसी की सुरक्षा हैं।

3. इ पी एफ और एम पी अधिनियम 1952

क) संबंधित कामगार को नामांकन प्रपत्र फाईल करना है।

ख) यदि प्रस्तुत अधिनियम और योजना के तहत पहले ही नामित हो, तो संबंधित दस्तावेज प्रस्तुत करें।

4. अन्तर राज्य प्रवासी कामगार (रोजगार और सेवा शर्तों के विनियम) अधिनियम 1979

यदि ठेकेदार किसी भी दिन 05 या उससे अधिक अन्तर राज्य प्रवासी कामगार को काम के लिए लगाते हो तब उन्हें प्रस्तुत अधिनियम के तहत लाइसेंस प्राप्त करना चाहिए।

ANNEXURE - C

SAFETY, HEALTH & ENVIRONMENT (SHE) CONDITIONS

The following Safety, Health and Environment conditions shall apply to the Contractor those who are working at HOCL, Ambalamugal.

- Shall ensure the availability and suitability of qualified and experienced personnel at the site for effective and efficient SHE management.
- Shall ensure that the equipment, materials, consumables are in conformity with the requirements.
- Shall ensure that all equipments/scaffolding used are having adequate stability.
- Shall ensure that appropriate and adequate PPEs are provided and worn by the personnel involved.
- Shall ensure that safety signs are posted as appropriate to the activity/hazard as required.
- Shall ensure the removal of material from site, which do not conform to the requirements.
- Shall ensure no adverse impact on environment due to activities.
- Shall maintain proper close supervision over their employee's activities.
- Shall identify the hazards related to their nature of work being executed and develop methods to eliminate/control those hazards where required to prevent any unwanted incidents/accident.
- Shall educate/train the workers throughout the work and improve their SHE awareness.
- Shall ensure adequate hygiene, (i.e. cleanliness, environment free from dust and fume, proper lighting and drinking water to all worker employed by the contractor).
- Shall ensure regular controls are in place for the following by doing regular checks/inspections but not limited to the following:
 - Vehicles & equipments
 - Tools, equipments, lifting appliances
 - Safety equipments
 - Fire protection
- Shall at his own expenses from time to time and whenever required clear away and remove all rubbish/scrap/unwanted materials from its work area to designated area.
- Shall report all incidents/accidents occurring if any connected with the job. The Contractor shall prepare and submit an incident/accident report to OWNER's Safety Department.

सुरक्षा, स्वास्थ्य एवं पर्यावरण (एस एच ई) की शर्तें

एस ओ सी एल, अंबलमुगल में काम करने वाले ठेकेदारों के लिए निम्नलिखित सुरक्षा, स्वास्थ्य एवं पर्यावरण शर्तें लागू होंगे।

1. सुरक्षा, स्वास्थ्य एवं पर्यावरण के प्रभावी एवं दक्ष प्रबंधन के लिए कार्यस्थल में योग्य एवं अनुभवी व्यक्तियों की उपलब्धता एवं उपयुक्तता सुनिश्चित करेंगे।
2. आवश्यकताओं के अनुरूप उपकरण, सामग्री और उपभोज्य सुनिश्चित करेंगे।
3. उपयोग किए जाने वाले सभी उपकरण / पाइ की सामग्रियों को पर्याप्त मजबूती / टिकाऊपन सुनिश्चित करेंगे।
4. यह सुनिश्चित करेंगे कि उचित एवं पर्याप्त पी पी ई प्रदान किए जाएंगे और संबंधित व्यक्तियों द्वारा पहने जाएंगे।
5. आवश्यकतानुसार कार्यकलाप/ जोखिम के उपयुक्त सुरक्षा चिहनों को लगाना सुनिश्चित करेंगे।
6. कार्यस्थल से ऐसे सामग्री जो आवश्यकता के अनुरूप नहीं हो, को हटाया जाना सुनिश्चित करेंगे।
7. यह सुनिश्चित करेंगे कि कार्यकलाप के कारण पर्यावरण में कोई प्रतिकूल प्रभाव न हो।
8. अपने कर्मचारियों की गतिविधियों पर उचित एवं सूक्ष्म पर्यवेक्षण सुनिश्चित करेंगे।
9. कार्यान्वित किए जा रहे कार्य की प्रकृति संबंधी दुर्घटनाओं का पहचान करेंगे और जहां अपेक्षित हो किसी प्रकार की घटनाओं / दुर्घटनाओं को रोकने के लिए ऐसी दुर्घटनाओं को दूर करने / नियंत्रित करने के उपाय विकसित करेंगे।
10. कर्मचारियों को कार्य के दौरान पर शिक्षित / प्रशिक्षित करना सुनिश्चित करेंगे और उनके एस एच ई जागरूकता में सुधार लाना भी सुनिश्चित करेंगे।
11. पर्याप्त स्वास्थ्य की व्यवस्था सुनिश्चित करेंगे (यानि सफाई, धूल एवं धूआं मुक्त पर्यावरण, उचित प्रकाश की व्यवस्था और ठेकेदार द्वारा काम के लिए नियुक्त सभी कर्मचारियों को पेय जल)
12. नियमित जांच / निरीक्षण करके निम्नलिखित के लिए नियमित नियंत्रण सुनिश्चित करेंगे लेकिन केवल निम्नलिखित के लिए सीमित नहीं करेंगे।
 - * वाहनों एवं उपकरणों
 - * टूल्स, उपकरण, लिफ्टिंग उपकरणों
 - * सुरक्षा उपकरणों
 - * आग संरक्षण
13. समय – समय पर और जब कभी आवश्यक हो, अपने व्यय पर कार्य स्थल से निर्दिष्ट क्षेत्र की ओर सभी कूड़े/ रद्दी/अनुपयोगी सामग्रियाँ निकाल देंगे और हटा देंगे।
14. प्रदत्त कार्य के संबंध में घटित होनेवाली सभी घटनाओं / दुर्घटनाओं यदि कोई हो तो, रिपोर्ट करेंगे। ठेकेदार घटना / दुर्घटना रिपोर्ट तैयार करके मालिक (ऑनेर्स) सेफ्टी विभाग में प्रस्तुत करेंगे।

ANNEXCURE -D

PROFORMA OF DECLARATION OF BLACK LISTING / HOLIDAY LISTING

In the case of a Proprietary Concern:

I hereby declare that neither I in my personal name or in the name of my Proprietary concern M/s. _____ which is submitting neither the accompanying Bid/Tender nor any other concern in which I am proprietor nor any partnership firm in which I am involved as a Managing Partner have been placed on black list or holiday list declared by any Government Public sector company (CPSU) or any of the administrative ministries, except as indicated below:

(Here give particulars of blacklisting or holiday listing, and in absence there of state "NIL")

In the case of a Partnership Firm :

We hereby declare that neither we, M/s. _____, submitting the accompanying Bid/ Tender nor any partner involved in the management of the said firm either in his individual capacity or as proprietor or managing partner of any firm or concern have or has been placed on blacklist or holiday list declared by any Government Public sector company (CPSU) or any of the administrative ministries, except as indicated below :

(Here give particulars of blacklisting or holiday listing and in the absence thereof state "NIL")

In the case of Company :

We hereby declare that we have not been placed on any holiday list or black list declared by any Government Public sector company (CPSU) or any of the administrative ministries, except as indicated below:

(Here give particulars of black listing or holiday listing and in the absence thereof state "NIL")

It is understood that if this declaration is found to be false in any particular, Hindustan Organic Chemicals Limited or its Administrative Ministry, shall have the right to reject my / our bid, and if the bid has resulted in a contract, the contract is liable to be terminated.

Place :

Signature of Bidder:

Date :

अनुबंध डी
काली सूची/अवकाश सूची की घोषणा संबंधी पत्र

स्वामित्व प्रतिष्ठान के संबंध में :-

मैं एतद्वारा घोषणा करता/ करती हूँ कि न तो मैं अपने नाम पर या मेरे स्वामित्व प्रतिष्ठान सर्वश्री के नाम पर जिसने संलग्न बोली /निविदा प्रस्तुत न कर रहे हैं या मेरे स्वामित्व में या किसी अन्य साझेदार कंपनी जिसमें मैं प्रबंध भागीदार के रूप में हो, वे नीचे सूचित को छोड़कर किसी केंद्रीय सरकारी सार्वजनिक कंपनी (सीपीएसयू) या किसी प्रशासनिक मंत्रालय द्वारा घोषित काली सूची या अवकाश सूची में न पड़े हैं। (यहाँ काली सूची या अवकाश सूची का विवरण दें , और उसके अभाव में शून्य सूचित करें)

साझेदार कंपनी के संबंध में

हम एतद्वारा घोषित करते /करती हैं कि न तो हम, सर्वश्री ने प्रस्तुत बोली/निविदा प्रस्तुत करता है या कंपनी से शामिल किसी भागीदार न उनके वैयक्तिक क्षमता या स्वामित्व के रूप में या किसी कंपनी/ कारोबार के प्रबंधन भागीदार के रूप में नीचे सूचित को छोड़कर किसी केंद्रीय सरकारी सार्वजनिक कंपनी (सीपीएसयू) या किसी प्रशासनिक मंत्रालय द्वारा घोषित काली सूची या अवकाश सूची में न पड़े हैं। (यहाँ काली सूची या अवकाश सूची का विवरण दें , और उसके अभाव में शून्य सूचित करें)

कंपनी के संबंध में

हम एतद्वारा घोषित करते/ करती हैं कि हमें नीचे सूचित को छोड़कर किसी केंद्रीय सरकारी सार्वजनिक कंपनी (सीपीएसयू) या किसी प्रशासनिक मंत्रालय द्वारा घोषित काली सूची या अवकाश सूची में न पड़े हैं। (यहाँ काली सूची या अवकाश सूची का विवरण दें , और उसके अभाव में शून्य सूचित करें)

यह समझता हूँ कि यदि इस घोषणा के किसी भी विवरण गलत हो जाने पर हिंदुस्तान ओर्गेनिक केमिकल्स लिमिटेड या इसके प्रशासनिक मंत्रालय को मेरा/हमारा बोली अस्वीकार करने का अधिकार है और यदि बोली ठेके के रूप में हो जाने पर , प्रस्तुत ठेका समाप्त करने का अधिकार है।

स्थान:

बोलीदाता का हस्ताक्षर :

तिथि: