



हिंदुस्तान ऑर्गेनिक केमिकल्स लिमिटेड HINDUSTAN ORGANIC CHEMICALS LTD
(भारत सरकार का उद्यम Government of India Enterprise)
अंबलमुगल, कोची AMBALAMUGAL, COCHIN – 682 302
दूरभाष Phone: (0484) 2720911, फ़ैक्स FAX No. (0484) 2720893

OPEN E- TENDER NOTICE

HOCL Invites open e Bids for the following item.

Sl.No.	Description of item and Tender No.	Qty (Approx) to be Supplied
1	SPA (SOLID PHOSPHORIC ACID) CATALYST HOCL tender ref : MAT/PUR/50789/20	80 MT (Or to the nearest packing size)

Tender documents may be downloaded from www.hoclindia.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.

This is an open Tender and interested parties may quote in two bid system.

EARNEST MONEY DEPOSIT (EMD):- INR.1, 00,000.00 for Indian Bidders.
\$1500 for Foreign Bidders

DUE DATE OF SUBMISSION : 04.01.2021 by 2.00 pm

DATE OF OPENING TENDER : 05.01.2021 BY 02.00 pm

K.R.Usharani

CGM (MATERIALS)



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MAT/PUR/50789/20

11.12.2020

Dear Sir,

We, Hindustan Organic Chemicals Ltd. is a Govt. of India Undertaking manufacturing Phenol & Acetone through Cumene synthesis route at its plant at Kochi, Kerala, India. Our installed capacity is 40,000 MT of Phenol, 26,000 MT Acetone & 56,000 MT Cumene. M/s.UOP is the technology supplier for the above plant. We are inviting tenders for supply of 80 MT (Or to the nearest packing size) Solid Phosphoric Acid Polymerization Catalyst for Cumene synthesis in the plant.

You may please get registered as a vendor with NIC (CPP Portal) for participating in this tender.

Tender documents are uploaded in HOCL website www.hoclindia.com and www.eprocure.gov.in

The details of the tender are as shown below.

HOCL tender ref: MAT/PUR/50789/20

Closing Date & Time for Bid submission: 04.01.2021 at 2.00 PM

Tender Opening Date & Time: 05.01.2021 at 02.00 PM

EMD : INR.100000/- for Indian Bidders. Fo Foriegn Bidders: \$1500.

You may submit your offer in **Two bid** system online before the due date and time specified. Tenders submitted other than through online procedure specified will not be accepted. Please visit the above sites regularly for any addendum/ corrigendum

Thanking you,

Yours faithfully,
For Hindustan Organic Chemicals Ltd.

K.R.USHARANI
CHIEF GENERAL MANAGER (MATERIALS)

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FOR THE SUPPLY OF SPA CATALYST**

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ऑनलाइन प्रस्तुतीकरण के लिए अनुदेश Instructions for Online Submission

बोलीदाताओं को अपनी बोलियों की सॉफ्ट प्रतियाँ मान्य डिजिटल सिग्नेचर सर्टिफिकेट का उपयोग करके सीपीपी पोर्टल पर इलेक्ट्रॉनिक माध्यम से जमा करनी है। नीचे दिए गए निर्देश सीपीपी पोर्टल पर पंजीकरण करने में बोली लगाने वालों की सहायता करने, उनकी बोलियों को आवश्यकताओं के अनुसार तैयार करने और अपनी बोलियों को सीपीपी पोर्टल पर ऑनलाइन जमा करने के लिए हैं।

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, 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.

सीपीपी पोर्टल पर ऑनलाइन बोलियां प्रस्तुत करने के लिए उपयोगी जानकारी:

<https://eprocure.gov.in/eprocure/app> पर प्राप्त की जा सकती है।

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

पंजीकरण REGISTRATION

1. बोलीदाताओं को सीपीपी पोर्टल पर "ऑनलाइन बोली नामांकन" लिंक पर क्लिक करके केंद्रीय सार्वजनिक खरीद पोर्टल के ई-प्रोक्योरमेंट मॉड्यूल) URL: <https://eprocure.gov.in/eprocure/app>) पर नामांकन करना आवश्यक है जो निःशुल्क है।

Bidders are required to enroll 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 Enrollment" on the CPP Portal which is free of charge.

2. नामांकन प्रक्रिया के भाग के रूप में, बोलीदाताओं को एक विशिष्ट उपयोगकर्ता नाम चुनना होगा और उनके खातों के लिए एक पासवर्ड निर्दिष्ट करना होगा।

As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.

3. बोलीदाताओं को सलाह दी जाती है कि वे पंजीकरण प्रक्रिया के रूप में अपना वैध ईमेल पता और मोबाइल नंबर पंजीकृत करें। इनका उपयोग सीपीपी पोर्टल के किसी भी संचार के लिए किया जाएगा।

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. नामांकन के बाद, बोलीदाताओं को अपने प्रोफाइल के साथ सीसीए इंडिया (जैसे Sify / nCode / eMudhra आदि) द्वारा मान्यता प्राप्त किसी भी प्रमाणन प्राधिकरण द्वारा जारी किए गए वैध डिजिटल हस्ताक्षर प्रमाणपत्र) डीएससी) (मुख्य उपयोग पर हस्ताक्षर करने के साथ कक्षा III प्रमाण पत्र (को पंजीकृत करने की आवश्यकता होगी।

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. बोलीदाता द्वारा केवल एक वैध डीएससी को पंजीकृत करना चाहिए। कृपया ध्यान दें कि बोलीदाता यह सुनिश्चित करने के लिए ज़िम्मेदार हैं कि वे अपने डीएससी को दूसरों को उधार न दें, जिससे इसका दुरुपयोग हो सकता है।

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. बोलीदाता तब अपनी यूजर आईडी / पासवर्ड और डीएससी / ई-टोकन के पासवर्ड को दर्ज करके सुरक्षित लॉग-इन के माध्यम से साइट पर जा सकता है।

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.

निविदा दस्तावेजों के लिए खोज SEARCHING FOR TENDER DOCUMENTS

1. सीपीपी पोर्टल में विभिन्न खोज विकल्प बनाए गए हैं, जिससे बोलीदाताओं को कई मापदंडों द्वारा सक्रिय निविदाएं खोजना सुविधा हो। इन मापदंडों में टेंडर ID, संगठन का नाम, स्थान, दिनांक, मूल्य ID शामिल हो सकता है। निविदाओं के लिए उन्नत खोज का एक विकल्प भी है जिसमें बोलीदाता सीपीपी पोर्टल पर प्रकाशित निविदा के लिए खोज कर सकते हैं। कई खोज मापदंडों जैसे संगठन का नाम, अनुबंध का प्रारूप, स्थान, दिनांक, अन्य कीवर्ड ID जोड़ सकते हैं।

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. एक बार बोलीदाताओं ने निविदाओं का चयन कर लिया है, तो वे निविदा दस्तावेज / निविदा कार्यक्रम डाउनलोड कर सकते हैं। इन निविदाओं को संबंधित "मई टेंडर" फोल्डर में लाया जा सकता है। यह सीपीपी पोर्टल को एसएमएस / ई-मेल के माध्यम से बोलीदाताओं को यदि निविदा दस्तावेज में कोई भी शुद्धिपत्र जारी किया गया, सूचित करना सुनिश्चित कर सकता है।

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. बोलीदाता को प्रत्येक निविदा को सॉपी गई अद्वितीय निविदा ID को नोट करना चाहिए, यदि वह स्पष्टीकरण / सहायता प्राप्त करना चाहता है।

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.

बोली की तैयारी PREPARATION OF BIDS

1. बोलीदाता को अपनी बोलियां जमा करने से पहले निविदा दस्तावेज पर प्रकाशित किसी भी शुद्धिपत्र पर विचार करना चाहिए।

Bidder should take into account any corrigendum published on the tender document before submitting their bids.

2. बोली के साथ प्रस्तुत किए जाने वाले आवश्यक दस्तावेजों को समझने के लिए कृपया निविदा विज्ञापन और निविदा दस्तावेज को ध्यान से पढ़ें। कृपया उन कवरों की संख्या पर ध्यान दें जिनमें बोली दस्तावेज जमा करने हैं, दस्तावेजों की संख्या - प्रत्येक दस्तावेज के नाम और सामग्री सहित जिन्हें प्रस्तुत करने की आवश्यकता है। इनमें से किसी भी विचलन से बोली की अस्वीकृति हो सकती है।

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. बोलीदाता को, पहले ही निविदा दस्तावेज / अनुसूची में दर्शाए अनुसार प्रस्तुत किए जाने वाले बोली दस्तावेज तैयार करना चाहिए और आम तौर पर, वे पीडीएफ/एक्सएलएस/आरएआर/डीडब्ल्यूएफ /जेपीजी प्रारूपों में हो सकते हैं। बोली दस्तावेजों को काले और सफेद विकल्प के साथ 100 डीपीआई के साथ स्कैन किया जा सकता है जो स्कैन किए गए दस्तावेज के आकार को कम करने में मदद करता है।

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. मानक दस्तावेजों जिनको प्रत्येक बोली के साथ प्रस्तुत करने की आवश्यकता होती है, के एक जैसे सेट को अपलोड करने में लगे जाने वाले समय और प्रयास से बचने के लिए, ऐसे मानक दस्तावेजों (जैसे पैन कार्ड प्रति, वार्षिक रिपोर्ट, लेखा परीक्षा प्रमाण पत्र आदि (को अपलोड करने का प्रावधान बोलीदाताओं को प्रदान किया गया है। बोलीदाता इस तरह के दस्तावेज अपलोड करने के लिए उनको उपलब्ध" मेरा स्थान "या 'अन्य महत्वपूर्ण दस्तावेज' स्थान का उपयोग कर सकते हैं। ये दस्तावेज सीधे बोली लगे जाने वाले समय" मेरा स्थान "से प्रस्तुत किया जा सकता है, और बार-बार अपलोड करने की आवश्यकता नहीं है। इससे बोली प्रस्तुत करने की प्रक्रिया के लिए आवश्यक समय में कमी आएगी।

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.

नोट: मई डोक्यूमेंट स्थान कक्षल अपलोड करना प्रक्रिया को आसान बनाने के लिए बोलीदाताओं को दिया गया एक संग्रह स्थान है। यदि बोलीदाता नई डोक्यूमेंट स्थान में अपना दस्तावेज अपलोड किए हैं, तो यह इन दस्तावेजों को तकनीकी बोली का हिस्सा के रूप में स्वयं सुनिश्चित नहीं कर सकता है।

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.

बोली की प्रस्तुति SUBMISSION OF BIDS

- 1 बोलीदाता को बोली जमा करने के लिए पहले से साइट पर लॉग इन करना चाहिए ताकि वे बोली समय पर अपलोड कर सकें यानी बोली प्रस्तुति समय पर या उससे पहले कर सकते हैं। बोलीदाता अन्य विषयों के कारण किसी भी देरी के लिए जिम्मेदार होगा।
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 बोलीदाता को डिजिटली हस्ताक्षर करना होगा और वश्यक बोली दस्तावेजों को एक-एक करके अपलोड करना होगा जक्षा कि निविदा दस्तावेज में दर्शाया गया है।
The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3 बोलीदाता को यथा लागू निविदा शुल्क / ईएमडी के भुगतान के लिए ऑफलाइन "भुगतान विकल्प का चयन करना है और लिखत के विवरण दर्ज करना है।
Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.
- 4 बोलीदाता को निविदा दस्तावेज में निर्दिष्ट निर्देशों के अनुसार ईएमडी तैयार करना चाहिए। मूल प्रति को बोली जमा करने की अंतिम तिथि तक या निविदा दस्तावेजों में निर्दिष्ट अनुसार, डाक / कूरियर द्वारा / संबंधित अधिकारी को व्यक्तिगत रूप से दिया जाना चाहिए। भौतिक रूप से भेजे गए डीडी/किसी भी अन्य स्वीकृत लिखत का विवरण, स्कैन की गयी कॉपी में उपलब्ध विवरण और बोली जमा करने के समय दर्ज किए गए डेटा के साथ मेल खाना चाहिए। अन्यथा अपलोड की गई बोली अस्वीकार कर दी जाएगी।
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 बोलीदाताओं से यह नोट करने का अनुरोध है कि उनको प्रदान की गई प्रारूप में अपनी वित्तीय बोलियां अवश्य रूप से प्रस्तुत करना चाहिए और कोई अन्य प्रारूप स्वीकार्य न है। यदि निविदा बोली के साथ मूल्य बोली को एक मानक बीओक्यू (BoQ) प्रारूप के रूप में दिया गया है तो वही डाउनलोड किया जाना है और सभी बोलीदाताओं द्वारा भरा जाना है। बोलीदाताओं को बीओक्यू (BoQ) फ़ाइल डाउनलोड करना, उसे खोना और अपने संबंधित वित्तीय भाव और अन्य विवरणों) जक्षे बोलीदाता का नाम (के साथ सफेद रंग) असुरक्षित (स्थानों को पूरा करने

की आवश्यकता होती है। किसी भी अन्य स्थानों में बदलाव नहीं करना चाहिए। एक बार विवरण पूरा हो जाना बाद, बोलीदाता को फ़ाइल सब करके नाम बदल बिना इस ऑनलाइन प्रस्तुत करना चाहिए। यदि बीओक्यू (BoQ) फ़ाइल को बोलीदाता द्वारा संशोधित पाया जाता है, तो बोली अस्वीकार कर दी जाएगी।

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 सर्वर समय) जिस बोलीदाताओं का डैशबोर्ड पर प्रदर्शित किया जाता है (को बोलीदाताओं द्वारा बोलियां प्रस्तुत करना) लिए समय सीमा को संदर्भित करना बोलियां खोलना आदि के लिए मानक समय माना जाएगा। बोली प्रस्तुति के दौरान बोलीदाताओं को इस समय का पालन करना चाहिए।

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 डेटा की गोपनीयता सुनिश्चित करने के लिए बोलीदाताओं द्वारा प्रस्तुत किए जा रहे सभी दस्तावेजों को पीकेआई कूटलक्षण) एन्क्रिप्शन (तकनीकों का उपयोग करके कूट) एन्क्रिप्ट (किया जाएगा। दर्ज किया गया डेटा अनधिकृत व्यक्तियों द्वारा बोली खोलने के समय तक नहीं देखा जा सकता है। बोलियों की गोपनीयता सुरक्षित साँकट लक्षर 128 बिट एन्क्रिप्शन प्रौद्योगिकी का उपयोग करके बनाए रखी जाती है। संवदनशील क्षेत्रों का डेटा संग्रह एन्क्रिप्शन किया जाता है। सर्वर पर अपलोड किए गए कोई भी बोली दस्तावेज सिस्टम द्वारा जनित सममित कुंजी का उपयोग करके सममित एन्क्रिप्शन के अधीन है। इसका अलावा, इस कुंजी को क्रमाओं /बोली खोलने वालों की सार्वजनिक कुंजी का उपयोग करके असममित एन्क्रिप्शन के अधीन किया जाता है। कुल मिलाकर, अपलोड किए गए निविदा दस्तावेज प्राधिकृत बोली खोलने वालों द्वारा निविदा खोलने के बाद ही पठनीय हो जाते हैं।

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 अपलोड किए गए टेंडर दस्तावेज अधिकृत बोली सलामी बल्लबाजों द्वारा निविदा खोलने के बाद ही पठनीय हो जाते हैं।

The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

- 9 बोलियों के सफल और समय पर प्रस्तुतीकरण) यानी पोर्टल में" फ्रीज बिड सबमिशन "पर क्लिक करने के बाद(, पोर्टल एक सफल बोली प्रस्तुत करने का सदेश देगा और बोली सख्यया तथा अन्य सभी प्रासङ्गिक विवरणों के साथ बोली प्रस्तुत करने की तिथि और समय के साथ एक बोली साराङ्खा प्रदर्शित किया जाएगा।

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 बोली साराङ्खा का प्रिण्ट किया जाना है और बोली प्रस्तुत करने की पावती के रूप में रखा जाना है। इस पावती का उपयोग किसी भी बोली खुलाव बैठकों के लिए प्रवेश पास के रूप में किया जा सकता है।

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.

बोलीदाताओं को सहायता ASSISTANCE TO BIDDERS

1. निविदा दस्तावेज और उसमें निहित नियमों और शर्तों से संबंधित किसी भी प्रश्न का निविदा के लिए निविदा
□ मंत्रण प्राधिकरण काया निविदा में उल्लेखित संबंधित संपर्क व्यक्ति का संबंधित किया जाना चाहिए।

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. ऑनलाइन बोली प्रस्तुत करने की प्रक्रिया से संबंधित कोई भी प्रश्न या सामान्य रूप से सीपीपी पोर्टल से संबंधित प्रश्न 24 x 7 सीपीपी पोर्टल हेल्पडेस्क का निर्देशित किए जा सकते हैं।

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.

ANNEXURE- II**GENERAL INSTRUCTIONS TO BIDDERS FOR BID SUBMISSION**

Please submit your e-bids under the two bid system conforming to the specifications and the terms and conditions attached as per instructions given below:-

1. HOCL has entered into an Agreement with **NIC** for e procurement through their portal www.eprocure.gov.in. Quotations shall be submitted online on or before the due date and time of closing the tender. The Techno commercial bid containing the Technical specification of the Products and Proof of satisfactorily meeting the Eligibility Criteria and all commercial terms should be uploaded as per instructions given in Annexure II. The Price bid should be submitted in price bid format given.
2. Techno commercial bid shall be opened electronically on specified date and time given in NIT. Bidders can witness the electronic opening of bid .The date and time of opening of the price bids will be intimated to the technically qualified bidders after evaluation of the Technical bids via email alerts through the valid emails confirmed.
3. The bid shall contain as integral part of the same the following compliance statement: "We have read, understood and accepted the terms and conditions of purchase and related documents forming part of this enquiry and agree to supply the goods in compliance with the same."
4. The bids shall be neatly typed in English language with pages consecutively numbered and shall be signed on all pages by authorized persons. Bids shall be free from over writing and all corrections shall be duly attested by the bidder.
5. Bidders should carefully study the documents of this enquiry. All terms and conditions set out there in the enquiry shall be binding on the bidders unless conflicting with any terms and conditions expressly stated by HOCL while accepting any bid, in the event of such acceptance.
6. HOCL reserves the right, without assigning any reason whatsoever, to accept or reject any or all bids in part or in full or cancel this enquiry.
7. HOCL reserves the right to extend without giving any reason(s) the closing date/time of the enquiry.
8. Bids shall be valid for a minimum of 120 days from the due date for receipt and opening of the bids.
10. Purchase Preference to Central Public Sector Enterprises of Govt Of India and MSMEs shall be as per Govt. of India policy in vogue.

ANNEXURE-III**PARAMETERS OF THE CATALYST OFFERED**

Solid Phosphoric Acid Polymerization catalyst for Cumene synthesis.

Technical specification of the catalyst should include the following:

- i. Guaranteed Cumene yield per M3 of catalyst offered by you.
- ii. Guaranteed Cumene yield per MT of Catalyst offered by you.
- iii. The Reactor Liquid Hourly Space Velocity (LHSV).
- iv. Reactor operating pressure and temperature.
- v. Catalyst shape & size.
- vi. Specified ratio of propylene to propane and propylene to Benzene.
- vii. Hydration level.
- viii. Propylene conversion rate.
- ix. Selectivity to Cumene/byproduct formation.
- x. Density of catalyst offered.
- xi. Crushing Strength.

ANNEXURE-IV**SPECIFICATIONS OF BENZENE USED BY US IN THE MANUFACTURING PROCESS**

Sl.No	Parameters	Specifications
1.	Colour (Pt-Co Scale), max.	15
2.	Relative Density at 15°C/15°C	0.8790-0.8860
3.	Solidification Point(°C) on dry basis, min.	5.40
4.	Distillation Range (°C) (including 80.1°C), max.	1.0
5.	Acid wash test, max.	No.1
6.	Purity by GC(wt %), min.	99.90
7.	Non-aromatics by GC(wt.ppm), max.	700
8.	Heavy Aromatics by GC (wt.ppm), max. (including Toluene 150 ppm max.) (Ref.ASTM D5871-07/IS:534-92 Specification)	300

ANNEXURE-V**REQUIRED CUMENE SPECIFICATION**

Sl.No	Parameters	Specifications
1	Appearance	Clear liquid, free of sediment or Haze @ 18.3 to 25.6 Deg.c
2	Colour (HU), max.	15
3	Purity by GC(Wt.%), min.	99.92
4	Other impurities by GC (Wt.%), max.	0.08
5	Bromine Index, max.	100
6	Phenols (ppm),max. (Ref.ASTM D-4077-07)	5

ANNEXURE-VI**BRIEF PROCESS DISCRIPTION /CUMENE REACTOR PARAMETERS**

The reactor is an up flow reactor with four beds with equal quantity of catalyst loaded in each bed. The reactor operating temperature is upto 243 Degree and the inlet temperature is 170 to 200 Degree Centigrade and 220 to 243 at the reactor outlet. The normal operating pressure is 34 -36 Kg/cm² (g)/500 psig.

A mixture of Propylene, Propane & Benzene in the ratio 1:2:8 is converted to Cumene in the presence of SPA catalyst. By multistage fractionation technique, the Cumene and heavy aromatics are separated. The un-reacted Benzene and part of propane are recycled back to the reactor and Excess propane is removed from the system.

The catalyst in the reactor is filled in 4 equal beds of 21 m³ each totaling 84 m³.

HOCL's annual production of Cumene is 56,000.00 MT and replacement of catalyst is done generally once in two years. **Hence the yield to be guaranteed should be 1,12,000.00 MT per charge of the catalyst which is 84 m³. The minimum guaranteed yield under the above condition works out to 1,333 MT/per m³ (1,12,000 MT for 84 m³) of Catalyst loaded.**

The current LHSV rate is 0.70 to 1.00 per Hr. **The supplier also need to guarantee that there will be no fluidization under the above operating conditions/parameters .**

ANNEXURE - VII**Eligibility criteria for participating in the bid.****Offers of bidders who satisfy the following Eligibility Criteria only will be considered .**

- 1) The bidder should be a manufacturer or bonafide distributor/dealer of the manufacturer of the Catalysts.
- 2) The bidder should have supplied at least 160 MT of the catalyst during the past 3 year period to reputed manufacturers of Cumene using fixed bed reactors and having a minimum 1,00,000 TPA manufacturing capacity. Please enclose purchase order copies for the supply of the same from reputed manufacturers
- 3) Any bidder from a country which shares a land border with India will be eligible to bid, only if the bidder is registered with the Department for promotion of Industry and Internal Trade (DPIIT). Such bidders should submit the valid copy of registration certificate along with tender.
- 4) Please enclose performance evaluation certificate from the above manufacturers of Cumene indicating their manufacturing capacity and yield obtained for the Catalyst supplied by you for the last 3 year period.
- 5) You must guarantee a minimum yield of 1,333 MT Cumene per m³ of catalyst. Corporate Guarantee valid for two years should be provided along with the technical bid documents.
- 6) You should be able to deliver the catalysts within minimum period after the placement of the orders on you.
- 7) M/s UOP & M/s Sud-Chemie, being existing approved suppliers of HOCL for the above catalyst are exempted from furnishing details on clause 1 & 2 of Eligibility criteria. However in case if UOP and SUD CHEMIE are offering Catalysts of different specification than which is used and proven at HOCL, they should provide performance Certificate from the current user/ users of the product being offered. They should provide details of the Plant/Plants where the Product is currently used along with the quantity charged per reactor (Both Weight and Volume) and the yield as on date as well as the yield committed by the Party. Technical offers submitted by existing suppliers will be evaluated considering the past performance of the catalysts supplied by them to HOCL.
- 8) Bidders may confirm adherence to all the above points in your technical bid with documentary evidence.

ANNEXURE-VIII**TERMS AND CONDITIONS FOR SUPPLY OF SPA CATALYST**

1. **PRICE**:- The rate quoted should be for supply of Catalysts in damp proof M.S. containers (around 200 Kg) and in Seaworthy export packing on FOB on per MT basis . For Indian suppliers, indigenous component to be explicitly mentioned and quoted in firm Indian Rupees and foreign component, if any also to be indicated.
2. **QUANTITY**:-80 MT approximately.
3. **SUBMISSION OF BIDS** : Bids shall be uploaded as per the instructions given in Annexure II
4. **DELIVERY** : Foreign suppliers shall dispatch the full ordered quantity on FOB basis through M/s. Shipping Corporation of India vessel. Indian suppliers may arrange the supply on FOR destination basis to HOCL Ambalamugal. You may confirm the minimum delivery period required for supply from the date of placement of order.
5. **VALIDITY** :- Validity of the offer should be 120 days from the due date of the quotation.
6. **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 submitting 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 reason.(Please refer Point No.7 in Annexure VII)
7. **Earnest Money Deposit** :
Bid shall be accompanied with an refundable EMD of Rs.1,00,000/- or USD 1500.00 along with the technical bid. EMD may be submitted in the form of Account payee DD or bankers cheque drawn in favour of Hindustan Organic Chemicals Ltd. payable at Kochi/Bank transfer through our banker **M/s State Bank Of India, Ambalamedu Branch, A/c No:80255929025; IFS Code:SBIN0001108**. EMD may also be submitted by way of Bank Guarantee from any scheduled banks.Details of bank transfer should be indicated in your offer. EMD of the successful tender may be adjusted against the security Deposit payable.
EMD of a tenderer shall be forfeited if he withdraws or amends his tender or impairs or derogates from the tender in any respect within the validity period of the tender.
8. **PAYMENT TERMS**:- Payment terms shall be through irrevocable L/C against dispatch documents and with interest free credit for 90 days period. If anybody offers a lesser credit period, necessary loading will be done based on the prevailing SBI PLR to make all the offers at par.
9. **COUNTRY OF ORIGIN** : At Seller's option – Please refer Point No 2 in Annexure VII
10. **MANUFACTURERS TEST CERTIFICATE/GUARANTEE CERTIFICATE**:- You must enclose the manufacturers test certificate of the item & Guarantee certificate for the specific yield for the product.

11. Tenders are to be uploaded in English language only.
12. HOCL shall arrange the transit insurance for the materials. However, the supplier shall promptly inform HOCL regarding despatches for arranging insurance.
13. For comparison of tenders, the Currency of tendered price will be converted to Indian rupees based on State Bank of India TT selling exchange rates applicable on the close of the previous working day of price bid opening date.
14. LIQUIDATED DAMAGES:
In the event of the supplier's failure to deliver the goods by the dates specified in the contract, the purchaser may without prejudice to his any other rights hereunder, recover from the supplier liquidated damages @ 0.5 percent per week of delay of the contract price of the undelivered goods, subject to a maximum of 5 %.
15. SECURITY DEPOSIT: In the event of placement of order , the supplier shall furnish a security deposit of Rs.10,00,000.00 (ten lakhs)or in equivalent foreign currency within 21 days of placement of order. This may be submitted in the form of a Performance Bank Guarantee from a Scheduled bank. SD will be forfeited in the event of a breach of any of the terms of the contract by the supplier. SD amount will be returned within 60 days of successful completion of the order.
16. PERFORMANCE BANK GUARANTEE - Supplier shall furnish a Performance Bank Guarantee from a Scheduled bank for 5 % value of order which shall be valid for a period of one year from the date of supply.

17. DOCUMENTATION:-

I. Sellers to provide following documents to the Bank within 21 days of B/L date.

- (a) Bill of Lading corresponding to the quantity loaded – 2 originals and 3 non-negotiable.
- (b) Certificate of Origin issued by Chamber of Commerce/Department of Trade – 1 original and 2 copies.
- (c) Certificate of analysis/quality – 1 original and 2 copies
- (d) Certificate of Guarantee for yield of Cumene per MT of catalyst consumed
- (e) Packing slip – 3 copies
- (f) Commercial Invoice for the catalyst supplied. – 2 Original and 3 copies

One set of copies of above documents to be faxed or mailed to HOCL immediately on dispatch of goods. Cont - 3

17. OPENING OF BIDS : Techno commercial bids will be opened electronically at **2.00 pm on 05.01.2021**. HOCL, after evaluation of the techno commercial bids, will subsequently inform all those technically acceptable vendors regarding the date and time of opening of the price bids.

18. Jurisdiction: All questions, disputes or differences arising under or in connection with this contract shall be subject to the exclusive jurisdiction of the courts in Ernakulam, Kerala, India only:

- a) When the contract is with domestic supplier, the applicable arbitration procedure will be as per Indian Arbitration & Conciliation Act, 1996 or any statutory modifications or reenactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceedings.
- b) When the contract is with foreign supplier, the supplier has the option to choose either Indian arbitration and Conciliation Act, 1996 or arbitration in accordance with the provision of UNCITRAL (United Nations Commission on International Trade Law Arbitration) Arbitration Rules.

ANNEXURE-IX

TECHNICAL BID FORMAT

Techno commercial Bid should contain the following details which must be uploaded in the NIC website in pdf format :

- 1.Your covering letter of the offer on your company letter head.
- 2.If you are the authorized distributor of Manufacturer of Catalyst, Authorization letter from the manufacturer to be uploaded.
- 3.Details of EMD submitted-bank transfer details.
- 4.Detailed Technical specification of the Catalyst offered as per Annexure III
5. Proof of satisfactorily meeting all the Eligibility criteria Conditions given in Annexure-VII
6. Signed copy of the terms and conditions of the enquiry as given in Annexure-VIII

ANNEXURE-X

PRICE BID FORMAT

FOR FOREIGN SUPPLIERS

1. DESCRIPTION OF THE ITEM:
2. QUANTITY OFFERED
3. TOTAL COST ON PER MT FOB PORT OF SHIPMENT BASIS :
4. ESTIMATED FREIGHT CHARGES PER MT FROM THE PORT OF LOADING TO COCHIN PORT, INDIA (By Shipping Corporation Of India vessel)

FOR INDIAN SUPPLIERS

1. DESCRIPTION OF THE ITEM:
2. QUANTITY OFFERED
3. BASIC COST PER MT, EX WORKS:
4. GST in %
5. FREIGHT CHARGES PER MT TO HOCL, KOCHI
6. ANY OTHER CHARGES APPLICABLE

अनुबंध ANNEXURE XI-A**वाणिज्यिक अवधि प्रपत्र COMMERCIAL TERM FORMAT***(आपके पत्र शीर्ष एवं मुद्रित कर अपलोड किया जाए)**(To be printed on your letter head& uploaded)*

(कृपया अपने पत्र शीर्ष में नीचे दिये गए विवरण भरें और अपनी बोली के साथ अपलोड किया जाए)

(Please fill up the details mentioned below in your letter head and upload along with your bid)

संस्थान का नाम और पता

Name and Address of Organization:

फोन और फ़ैक्स संख्या Phone & Fax No:

जीएसटी/ईएन GSTIN :

पत्राचार के लिए ई मेल आईडी

E-mail id for correspondence:

संपर्क अधिकारी के नाम और दूरभाष संख्या

Contact Person Name and Mobile No:

एमएसएमई/एनएसआईसी के साथ पंजीकृत है

Whether registered with MSME/NSIC:

(यदि हाँ तो दस्तावेज प्रमाण सलग्न करें)

(If so pl. enclose documentary proof)

दी गयी भुगतान अवधि Payment Term offered:

दिये गए वितरण शर्तें :Terms of delivery offered: We require the material on FOR HOCL basis. In case any other terms of delivery is offered, please specify the P&F & Freight charges, in the BOQ itself

प्रस्ताव की वैधता Validity of offer:

वितरण अवधि Delivery period:

लागू कर Taxes Applicable:

पूर्ति के साथ प्रदान प्रमाणपत्र Certificates provided along with supply.

विनिर्देशन में विचलन यदि कोई हो तो Deviation in specification if any

हस्ताक्षर और मोहर Signature and Stamp

अनुबंध ANNEXURE XI - B**(KINDLY FILL THIS SHEET AND SUBMIT IN -COMMERCIAL/TECHNICAL BID)**

Name of Bidder:		
Sr. No.	Commercial Clauses	Bidder Confirmation (Please put V in front of your confirmation)
1	Whether bidder (a proprietary concern, Partnership Firm, Company) is currently on holiday list/black list/de-listed or has been put on holiday/blacklisted/de-listed at any PSU/govt. Organization. If so, give details.	<input type="checkbox"/> Yes, We are on holiday List/Black List/De-List <input type="checkbox"/> No
2i	Whether the party is registered under Micro/Small/Medium Enterprises act 2006 (Please furnish the proof)	<input type="checkbox"/> Micro <input type="checkbox"/> Medium <input type="checkbox"/> Small <input type="checkbox"/> No
2-ii	Status of MSE Bidder	<input type="checkbox"/> Manufacturer <input type="checkbox"/> Services <input type="checkbox"/> Not Applicable
2-iii	Whether MSE bidder is offering product manufactured by him/her	<input type="checkbox"/> Yes <input type="checkbox"/> No
3i	All MSE bidders shall register / declare their UAM Number on CPP Portal and copy of this registration / declaration shall be attached with the offer; failing which such bidders will not be able to enjoy benefits as per PP Policy for MSME order, 2012. <u>SSI/MSME/NSIC/UAM /DIC registration certificate</u>	<input type="checkbox"/> Mention UAM Number <input type="checkbox"/> Not Applicable
3-ii	Submitted valid document against clause no 3i	<input type="checkbox"/> Submitted <input type="checkbox"/> Not Applicable
4i	Whether the proprietor of "MSME" enterprise is from SC/ST category (Please attach caste certificate issued by competent authority)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4ii	Whether the proprietor of "MSME" enterprise is woman (i.e. Woman proprietorship, or holding minimum 51% shares in case of Partnership/Private Limited Companies)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4iil	Submitted certificate against clause no 4ii	<input type="checkbox"/> Submitted <input type="checkbox"/> Not Applicable
5	AGREED TO ALL TERMS AND CONDITIONS OF ENQUIRY: It is hereby stated that the quotation/offer submitted 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. Non-acceptance or deviation to HOCL's standard terms and conditions mentioned in enquiry documents may lead to rejection of offer, no correspondence shall be done for clarifications	<input type="checkbox"/> Agreed <input type="checkbox"/> Not Agreed
DATE:SIGN AND STAMP OF BIDDER		

निविदा संविरुद्ध बोली का संलग्नक

(प्रस्तुत शीट भरें और वाणिज्यिक और तकनीकी बोली के साथ प्रस्तुत करें)

बोलीदाता का नाम Name of Bidder:		
क्रमांक	वाणिज्यिक खंड	बोलीदाता की पुष्टि (आपकी पुष्टि के आगे कृपया ✓ करें)
1	क्या बोलीदाता वर्तमान में अवकाश सूची/काली सूची/डी सूची में है या किसी पीएसयू/सरकारी संगठन द्वारा होलिडे/कालीसूची/डी सूची में रखा गया है। यदि हाँ तो विवरण दें?	<input type="checkbox"/> हाँ हम अवकाश सूची/ काली सूची/डी सूची में हैं <input type="checkbox"/> नहीं
2i	क्या पार्टी ने सूक्ष्म/लघु/मध्यम उद्यम अधिनियम 2006 के विरुद्ध पंजीकृत किया है। (कृपया प्रमाण प्रस्तुत करें)	<input type="checkbox"/> सूक्ष्म <input type="checkbox"/> मध्यम <input type="checkbox"/> लघु <input type="checkbox"/> नहीं
2-ii	एमएसई बोलीदाता की हैसियत	<input type="checkbox"/> विनिर्माता <input type="checkbox"/> सेवाएँ <input type="checkbox"/> लागू नहीं
2-iii	क्या एमएसई बोलीदाता अपने द्वारा विनिर्मित उत्पाद दे रहे हैं?	<input type="checkbox"/> हाँ <input type="checkbox"/> नहीं
3i	सभी एमएसई बोलीदाताएं अपनी यूएम सं की घोषणा सीपीपी पोर्टल पर किए जाएंगे और पंजीकरण/घोषणा की प्रति प्रस्ताव के साथ रखेंगे, ऐसे बोलीदाताएं जो इस प्रकार करने में असफल होने पर एमएसएमई आदेश 2012 के पीपी पॉलिसी के अनुसार फायदाओं का लाभ नहीं उठाएंगे। <u>एसएसआई/एमएसएमई/एनएसआईसी/ यूएम/ डीआईसी/ पंजीकरण प्रमाणपत्र</u>	<input type="checkbox"/> यूएम सं दें <input type="checkbox"/> लागू नहीं
3-ii	खंड सं 3i के विरुद्ध प्रस्तुत वैद्य प्रमाणपत्र	<input type="checkbox"/> प्रस्तुत <input type="checkbox"/> लागू नहीं
4i	क्या एमएसएमई उद्यम का मालिक एससी/एसटी संवर्ग से हैं? (कृपया सक्षम प्राधिकारी द्वारा जारी जाति प्रमाणपत्र संलग्न करें)	<input type="checkbox"/> हाँ <input type="checkbox"/> नहीं
4ii	क्या एमएसएमई उद्यम का मालिक महिला हैं?(अर्थात महिला मालिकाना, या सांझेदारी /निजी लिमिटेड कंपनीस के मामले में 51% शेयर रखते हैं?)	<input type="checkbox"/> हाँ <input type="checkbox"/> नहीं
4iii	खंड सं 4ii के विरुद्ध प्रस्तुत प्रमाणपत्र	<input type="checkbox"/> प्रस्तुत <input type="checkbox"/> लागू नहीं
5	पूछताछ के सभी निबंधन और शर्तों से सहमत है इसके द्वारा कहा गया है कि प्रस्तुत किया गया कोटेशन/ प्रस्ताव पूछताछ के विरुद्ध जारी किए गए दस्तावेजों के साथ पूर्ण अनुपालन में है और यह भी पुष्टि की गई है कि पूछताछ के अनुसार सभी नियमों और शर्तों में कोई विचलन नहीं है। जांच दस्तावेजों में उल्लिखित एचओसीएल के सभी मानक नियमों और शर्तों से कोई अस्वीकृति या विचलन प्रस्ताव की अस्वीकृति का कारण हो सकता है, स्पष्टीकरण के लिए कोई पत्राचार नहीं किया जाएगा।	<input type="checkbox"/> सहमत है <input type="checkbox"/> सहमत नहीं है
दिनांक: बोलीदाता के हस्ताक्षर और मोहर		

ANNEXURE XI - C				
(For Purchase Order/ Work Order with estimated value more than FIVE Lakhs) FORM-F ANNEXURE TO BE SUBMITTED ALONG WITH THE BID AGAINST TENDER NO _____ (KINDLY FILL AND SUBMIT ALONG WITH COMMERCIAL/TECHNICAL BID)				
NAME OF BIDDER:				
Sr.No.	COMMERCIAL CLAUSES	BIDDER CONFIRMATION (PLEASE PUT √)		
1	Please mention whether you are a Class-I/Class II Local supplier.(Please see the definition given below)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Class I</td> </tr> <tr> <td style="padding: 5px;">Class II</td> </tr> </table>	Class I	Class II
Class I				
Class II				
2	Specify the percentage (%) of local content.	_____ %		
3	Details of location at which the local value addition is made.			
4	Mention whether the product offered is manufactured in India under a license from a foreign manufacturer who hold intellectual property rights and there is a technology collaboration agreement / Transfer of technology agreement	Yes / No		
<p style="text-align: center;"><u>SELF DECLARATION OF LOCAL CONTENT</u></p> <p>We hereby declare that the percentage(%) of local content specified against mentioned against Sr.No.2 is _____%. We also understand that submitting False self-declarations and auditors will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a Bidder or its successors can be debarred for up to Two Years as per the Rule 151 (iii) of the General. Financial Rules along with such other actions as may be permissible under Law.</p> <p>Definitions Local Content: - The amount of value added in India(Total value of item procured minus the value of imported content in the item(including all customs duties) as a proportion of total value, in percentage.</p> <p>Class I Local Supplier: - Supplier or service provider whose goods, services or works offered for procurement has local content equal to or more than 50%.</p> <p>Class II Local Supplier: - Supplier or service provider whose goods, services or works offered for procurement has local content more than 20% but less than 50 %.</p> <p>Purchase Preference: -Will be as per the applicable Government order.</p>				
DATE		SIGNATURE AND STAMP		

