

**TENDER NO. SFY/08/28/2020**

**DEVELOPMENT OF CONFINED SPACE SAFETY TRAINING  
THROUGH VIRTUAL REALITY**

**TENDER DOCUMENT**



**COCHIN SHIPYARD LIMITED  
PO BAG NO 1653, PERUMANOOR PO  
KOCHI - 682 015, KERALA  
INDIA**

**[www.cochinshipyard.com](http://www.cochinshipyard.com)**

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**COCHIN SHIPYARD LIMITED**  
**SAFETY AND FIRE SERVICES DEPARTMENT**

**TENDER NOTICE**

Name of work	DEVELOPMENT OF CONFINED SPACE SAFETY TRAINING THROUGH VIRTUAL REALITY IN CSL
Tender enquiry No. and date	(SFY/08/28/2020), 04.01.2021
Tender Earnest Money Deposit	Rs. 30,000/-
Last date for seeking clarifications	28.01.2021
Pre-bid Meeting	04.02.2021
Last date & time of receipt of Tenders (Part I – Techno-Commercial & Part II-Price Bid)	18.02.2021
Date & time of opening of Tenders (Part I – Techno-Commercial)	18.02.2021
Date & time of opening of Financial Bid (Part – 2)	Will be informed later after evaluation of technical bids (Only to the bidders who successfully qualify the Technical Evaluation)
Validity of the tender	90 days from the last date of submission of tender.
For clarifications please contact	1. Saleen A (AGM) : +91 484 2501600 <a href="mailto:saleen.a@cochinshipyard.com">saleen.a@cochinshipyard.com</a> 2. A L Jackson (CSO) : +91 484 2501430 <a href="mailto:cs@cochinshipyard.com">cs@cochinshipyard.com</a>

1. Sealed competitive tenders in the prescribed form are invited from experienced firms/ agencies for the work specified above, subject to the terms and conditions as mentioned

in the annexures to tender enquiry, so as to reach the undersigned on or before the date and time as stipulated:-.

2. The tenders are to be submitted in two bid system; **Part I : Techno-Commercial** and **Part II : Price Bid**
3. **Mode of Submission of Bids:** Tenders (Part I & Part II) should be submitted in separately sealed covers super scribing the tender enquiry number, name of the work and clearly indicating which part it contains therein, and both the sealed part I & II bids shall be enclosed in a sealed cover super scribing the tender enquiry number and due date of submission.
4. The tender should be addressed to the **Chief General Manager (Technical), Cochin Shipyard Limited, P. B. No. 1653, Cochin 682 015, India.**
5. The bids are to be submitted either by Registered post with AD or by Speed post or by Courier or drop into the tender box kept at the Customer Facilitation Centre at North Gate of Cochin Shipyard Limited (Ravipuram). **No other modes of receipt of the bids are acceptable.** Bids submitted by other modes (by e-mail or by ordinary post or handed over in person to Cochin Shipyard Limited) will not be considered and will be rejected.
6. **The Bids shall be received at Cochin Shipyard Ltd on or before 1300 Hrs on 18.02.2021** and Part I Techno-Commercial Bid will be opened at **1400 Hrs** on the same day.
7. ***Bidders shall not be allowed to attend the part I techno-commercial bid opening.***
8. After evaluating the bids for both technical aspects and commercial terms, the techno-commercially qualified bidders will be intimated regarding the date and time of opening of Part II - Price Bid. The Price Bids will be opened at the intimated time in the presence of bidders or their authorized representative who would like to be present at that time. Merely opening of Techno-Commercial Bid cannot be construed as acceptance of offer for awarding of contract.
9. **The following shall be submitted along with Part I (Techno-commercial) Bid:-**
  - (i) **Original tender document duly signed on all pages** - including scope of work at Annexure I and Terms & Conditions placed at Annexure II.
  - (ii) **The Techno Commercial Check List** at Annexure V filled up completely and duly signed. **The non submission of duly filled Techno Commercial Checklist will lead to the rejection of the bids.**
  - (iii) **Copy of un-priced bid format** (price bid WITHOUT prices/numerals) (Annexure IV)

- (iv) **Documents to prove credentials of the bidder** to undertake the subject work.
  - (v) EMD as specified in the tender.
10. The price bid shall be prepared based on the price bid format at Annexure IV
11. The acceptance of tender or part thereof will rest with the **Chief General Manager (Technical)**, Cochin Shipyard Limited, who does not bind himself to accept the lowest tender and reserves the authority to reject any or all of the tenders received without assigning any reason. CSL takes no responsibility for delay, loss or non-receipt of tenders sent by post.

Chief General Manager (Technical)

**Encl:**

- |  |            |
|--|------------|
| I. Scope of work (Annexure – I)                  | – 06 Pages |
| II. Terms & conditions of Enquiry (Annexure II)  | – 09 Pages |
| III. Techno Commercial Bid Format (Annexure III) | – 02 Pages |
| IV. Price Bid format (Annexure IV)               | – 01 Pages |
| V. Techno Commercial Check List (Annexure V)     | – 01 Pages |

**TENDER NO. SFY/08/28/2020**

**DEVELOPMENT OF CONFINED SPACE SAFETY TRAINING THROUGH VIRTUAL  
REALITY**

**ANNEXURE - I to TENDER ENQUIRY**

**SCOPE OF WORK**

**1. DESCRIPTION OF WORK**

1.1 This tender enquiry pertains to the engagement of Virtual Reality Company / Firm for developing confined safety training for employees through Virtual Reality (VR) at Cochin Shipyard Limited.

The work includes General Induction training through Virtual Reality, preparedness to the work site and safety training for confined space.

1.2 Bidders are requested to obtain clarifications, if any, and carefully study the documents and the scope of work of the firm and CSL, before submitting the offer

**2. SCOPE OF WORK OF VIRTUAL REALITY COMPANY/FIRM**

2.1 The firm shall design the story board/video sequence for virtual reality programme. Tentative story board / Sequence will be provided by CSL. The output to be loaded in the VR gadget is as follows.

2.1.1 All the terrains, avatars, work areas object have to be in 3D rigged format, preferably in “.fbx” format, for a fully immersive and animated simulation.

2.1.2 The quality of the avatars, equipment and other objects commonly used at CSL should be in 3D models, some animated as necessary, and be realistic in appearance as their actual object counterparts.

2.1.3 Avatars, equipment and other objects in 3D to be developed in Unity or equivalent platform with high quality and should exhibit real-time Interactive Scenario with high quality Rendition.

2.2 Firm shall supply 5 nos. Head set with the following specifications with 5 year warranty and loaded with VR confined training materials

2.2.1.1 Minimum 6 DoF (Degree of Freedom) Portable VR Head set with at least 128 GB Storage and 6 GB RAM

2.2.1.2 Gadget should all in one system i.e., no connection to PC, phones, no wires, and no external sensors.

2.2.1.3 Mobile based VR devices shall not be considered.

2.2.1.4 The firm should provide direct warranty certificate from the manufacturer or Agency for VR gadget supplied.

### **3 SEQUENCE OF THE PROJECT:**

#### **Preproduction: 1 month**

Story Creation

Script development

Story Board of 3D animation for each scenes

#### **Production: Duration: 1.5 months**

Content Creation - 3D animation

1. Scene development ( 3D characters, objects, motion control, color grading, rendering )

2. game integration

3. Programming

4. Rigging interactivity

#### **Production: (Language – English)**

- Sound – Dialogue
- Sound – Narration ( voice over – English)
- Music ,Effects – Background score, pop up text etc
- Visuals effects – explosion, falling down etc
- Color correction
- Integration : Test evaluation of Pre test and final test

#### **Post Production: Duration: 1 month**

- Corrections in 3D , music, visual effects etc

- Final out
- Conversion to other languages – Malayalam, Tamil, Hindi, Marathi, Bengali, Kannada.
- Easy to integrate with other languages in future.
- Multi-language integration
- Preview with headset
- Translation, Dubbing , Editing
- Final out of multi languages
- VR content loaded into VR gadget and testing
- Onsite training in CSL for one month for familiarization

#### **4 VR TRAINING CONTENT**

**Part 1** - PPE's test : user walk toward the table and take necessary safety equipments and he got the marks

**Part 2:** Confined space – 3 sequences ( interactive )

3 sequences in each scenario ( pre test, learning and post test)

Sequence 1 : Pre test ( Interactive )

Sequence 2 : Procedure – Learning ( self running video )

Sequence 3 : Post test ( Interactive ) – Examination with marks

Fully interactive safety training on VR gadget with immersive content. The user can hold the various objects using hand controller engage with various objects and encounter scenarios which are possible in real life. The user inputs name/ID no and the score is emailed at the end.

#### **5 STORY BOARD CONTENT OF CONFINED SPACE TRAINING VIDEO:**

**Treatment : 3D visuals, Narrations and Text**

**Duration : approximately 5 min. story**

**Language : English, Malayalam, Tamil, Hindi, Marathi, Bengali, Kannada**

**General**

Enter your Code/ ID No . and Name (he can type virtual number /word box)

General Induction training through Virtual Reality - 1 no.



## **Expected training method for Confined space entry**

### **Sequence A :**

Text and Sound : Welcome to Safety Training - Confined space entry

Visual: a man walking towards Ship repair facility (with sound effects)

**Narration** : You are going to do a work at confined space at Ship repair.

Visuals with sound effects: The person is in a room . There he sees an open cupboard in their hygiene centre with basic PPE's (Personal Protective Equipment). The user is supposed to pick up all the necessary items using the controller. Once he picks up the items he clicks on next, based on the objects he has picked up he is scored, the items he failed to pick up and shown in red and the score is shown. If he hasn't reached the threshold, he fails the test then he has to complete the PPE lesson and redo the test.

If he clears the first sequence of basic PPE's (sound and text will come).

**Narration** : Congratulation, you have passed basic PPE's test . Now press the next button.

### **Sequence B :**

Note : PPE's sequence is applicable for all stories.

Moving to confined space area (automatically) on board ship by walking. There is a notice fixed in front of confined space. He has to click the notice (voice - Please select the notice). Now notice will come up in zoom position.

**Narration about notice** : “ Please ensure the today's date, level of Oxygen (O<sub>2</sub>), Carbon Monoxide (CO), Sulphur Dioxide (H<sub>2</sub>S) and Hydrocarbon. If there is no harmful fumes in this confined space and you can do the work with proper safety equipments. Work recommendation is Okay “

**Sequence C** : User moves inside the confined working area. There he can see blower button and 24V hand lamp, mask, harness etc. (essential and nonessential items are

showed here). He takes only the hand lamp and going inside. He can see confined space with his hand lamp but full of fumes inside. The fumes are toxic and upon inhaling he becomes unconscious suddenly accident occurs.

**Narration :** Before entering into the confined space make sure that you have switched on the blower.

**Sequence D :** Man standing in front of the confined space and he switch on the blower then entering into confined space without the hand lamp. The space has poor visibility and the user can barely see then he slips and falls down.

**Narration :** Never enter a confined space without proper lighting equipment.

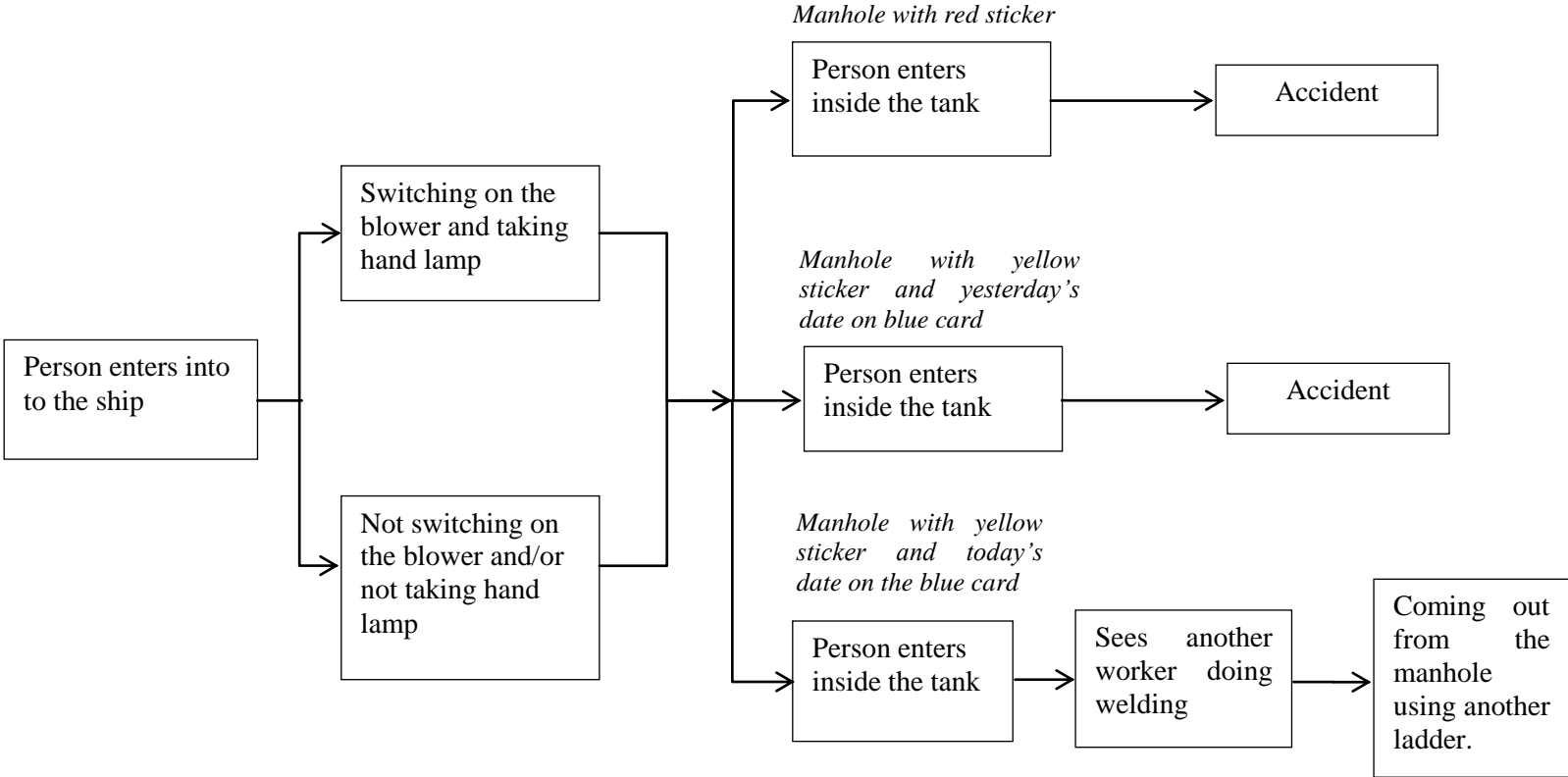
**Sequence E :** Man standing in front of the confined space and he switch on the blower and takes the hand lamp. Entering into confined space and sees inside very clearly. Co-worker doing the welding works inside. Finally he is coming out from the confined space safely.

**Narration Conclusion :** when you enter into confined space you have to be very careful, do not forget to switch on the blower and carry sufficient lights. Now you are aware about the safety measures to be taken before entering into a confined space.

**Narration:** You have successfully completed the confined space entry training. Please take off your VR headset.

***Refer below flow chart for better understanding.***

**CONFINED SPACE ENTRY**



## **TENDER NO. SFY/08/28/2020**

### **DEVELOPMENT OF CONFINED SAFETY TRAINING THROUGH VIRTUAL REALITY**

#### **ANNEXURE - II to TENDER ENQUIRY**

#### **TERMS & CONDITIONS OF ENQUIRY**

##### **1. ABOUT COCHIN SHIPYARD LTD**

- 1.1. Cochin Shipyard Limited (CSL) is a premier Ship Building & Ship Repair company owned by the Government of India. Incorporated in the year 1972, the yard has, over the years, developed adequate capabilities to handle complex and sophisticated repair jobs. The Shipyard also trains around 100 graduate engineers to marine engineers who later join ships both Indian and foreign as 5th Engineers.
- 1.2. The long-term business success of Cochin shipyard Ltd depends on our ability to continuously improve the overall business performance of the organization, of which an integral part is the assured quality of the ship building, ship repair and the marine training services, enhanced occupational health of the employees & safety practices within the organization and sustained environmental protection for the benefit of the society. We also on a war footing are educating all our people involved in ship building and ship repair activities on health and safety practices on the job and off the job.
- 1.3. CSL is certified for;
  - a) ISO 9001:2015 (Quality Management Systems)
  - b) ISO 14001:2015 (Environmental Management Systems)
  - c) ISO 45001:2018(Occupational Health and Safety Management Systems).
- 1.4. Further details of our yard can be obtained from the website: '[www.cochinshipyard.com](http://www.cochinshipyard.com)'.

##### **2. MINIMUM ELIGIBILITY CRITERIA**

- 2.1. **A.** Company/Firm/Agency Background - Provide a brief of your company/firm/Agency including but not limited to:
  - (a) Company/Firm/Agencyname and profile;
  - (b) Contact person and title;
  - (c) Complete address;

**B.** In case of Joint venture Companies or two or more companies /firms bidding together as specified in Clause 2.2 , each of the firms/Companies shall submit their individual details as stated in Clause 2.1 (A).

## 2.2. **Virtual reality company or Film production company Experience / Requirements**

- a. Company / Firm participating in tender shall have at least 3 years' experience in making virtual reality industrial safety training programs (minimum 3 projects in the last 3 years).
- b. Companies/ firms having experience in making industrial safety training videos(minimum 4 industrial safety films) may jointly bid in collaboration with Companies/firms having experience in making virtual reality or augmented reality programs( minimum 3 works in the last 3 years) or vice versa . In such a case, the bidder company/firm must submit the following documents.
  - Agreement duly executed on stamp paper of adequate value between the Virtual reality company and the Company/firm having experience in making industrial training videos to associate/work together in making virtual reality industrial safety training programs. This agreement must be valid for at least 03 years.
- c. The company/Firm having prior experience in making safety training videos for marine industry will be given preference (A copy of the Work order / completion / appreciation certificate must be attached).
- d. The Company/firm should have experience in multi lingual production.
- e. The company/firm should have worked on computer generated interactive VR walkthrough projects in Google cardboard Oculus Go / Oculus quest / HTC Vive etc (APK to be submitted or working files) will be asked to present during pre-bid meeting or for technical evaluation of firms for evaluating the requirements in the scope of work.

2.3. **References** -Please attach references including names, organization (shipyards/ marine fields/ heavy engineering industries), and contact information for two (2) clients from last 3 years who can provide insights regarding experience.

2.4. **Financial Capabilities** –Company/Firms submitting the bid shall enclose with their proposal, certificate issued by its Statutory Auditors with their seal and signature, stating its net worth from professional fees during the past three years. In case of firms/Companies bidding together, the statutory Auditors certificate from both the participating Companies/firms should be provided. Average net worth for 3 previous financial year to be positive.

- 2.5. The average annual turnover of the bidder Company/firm during last three audited financial years (2017-18, 2018-19, and 2019-20) should not be less than Rs. 15 lakhs. In case of firms/Companies bidding together, the average annual turnover of the each of the participating Companies /firms during last three audited financial years (2017-18, 2018-19, and 2019-20) should not be less than Rs. 15 lakhs
- 2.6. If the tenderer provides no or NIL financial data for any of the above financial year, then his application shall not be considered and summarily rejected.

### **3. VALIDITY**

The offer shall be valid for acceptance for a minimum period of 90 days from the date of opening of the Part- I Techno-Commercial Bid. However, CSL may extend the validity period with the consent of tenderers.

### **4. PRE BID MEETING**

- 4.1 Any bidder requiring a clarification of the proposal document must notify CSL by email on or before 28.01.2021
- 4.2 Any request for clarification in writing must be addressed to;  
[saleen.a@cochinshipyard.com](mailto:saleen.a@cochinshipyard.com), [cso@cochinshipyard.com](mailto:cso@cochinshipyard.com).
- 4.3 The compilation of all clarifications sought / queries raised during the pre bid meeting and its replies shall be made available as corrigendum in CSL website. Any modification of the tender documents which may become necessary as a result of the pre bid meeting shall be made by CSL exclusively through the issuance of corrigendum in CSL website.
- 4.4 The bidder or his official representative is advised to attend the pre bid meeting.

### **5. PRICE BID REQUIREMENT/GUIDELINES**

- 5.1. The bid shall be comprehensive of the nature of the service to be provided and shall be inclusive for all the applicable charges envisaged under the scope of the company/ firm as specified at scope of work at Annexure II.
- 5.2. **Price Bid Format:** The price bid shall be prepared as per the format given in annexure IV to enquiry.
- 5.3. **Currency:** The price bid shall be prepared in Indian National Rupees for all bidders.
- 5.4. The bids that are not prepared/ submitted as per the price bid format or without the adequate documents to prove the experience/ other requisites may be summarily rejected.

5.5. The prospective bidders are advised to refer to CSL website for any modification to the tender document and the bidders shall ensure that the tender documents submitted by them contain such modifications, failing which the bids are liable to be rejected.

## **6. TAXES**

6.1. GST shall be applicable extra on the prescribed work from 01.07.2017 onwards. You are requested to furnish the following details in the invoice/Bill.

- (i) Applicable rate of GST/SAC Code
- (ii) Firms GST Reg. NO.
- (iii) Service accounting code (SAC) as prescribed by statutory authorities.
- (iv) GST Reg. No. of Cochin Shipyard Ltd (**32AAACC6905B1ZD**).

6.2. Any new tax/duty that may be made effective by the government for this work and paid by the contractor shall be reimbursed on production of documentary evidence.

## **7. PAYMENT TERMS**

7.1. Payment will be made based on invoice raised after the completion of the project. Invoices have to be certified by HOD, Safety & Fire Services Department.

7.2. The company/ firm shall be responsible for the costs towards travel/stay, daily allowance or any other allowances with respect to their staff deployed for the execution of this project before or after the award of the contract.

7.3. Payment shall be released within 30 days of receipt of invoice.

7.4. Stage payments to the company/Firm are as follows against certification of DGM(S&F) after completion of stages mentioned below – Refer Scope of Work

- a. Stage 1 - 20 % - Preproduction
- b. Stage 2 - 30 % - Production
- c. Stage 3 – 50 %- Post production and supply of VR gadget 5 nos.

7.5. All claims for payment shall be submitted by the company/ firm within one month of completion of work.

7.6. Statutory levies such as TDS shall be deducted from the bill as applicable.

7.7. Payment will be made by RTGS/NEFT to the account of Virtual reality company/ firm. The name of the bank, branch, A/C No., IFSC code & other particulars shall be furnished by the Virtual reality company in the proforma of CSL.

## 8. EARNEST MONEY DEPOSIT (EMD)

The tenderer shall remit an EMD of Rs.30,000/- in the form of Demand Draft/ Bankers cheque/ FD receipt (valid for 3 months) drawn in favour of Cochin Shipyard Limited, Kochi-15, from any of the Nationalized Banks, valid for a period of 3 (three) months from the date of opening of the tender. EMD will be forfeited in case the offer is withdrawn by the tenderer or modified by the tenderer after submission of the offer or if after acceptance of the work order fails to furnish Security Deposit of this tender before the due date. Tenders without EMD are liable to be rejected. **EMD will not bear any interest. EMD particulars must be submitted in a separate sealed cover and shall accompany Technical Bid.** Technical Bid not accompanied with the requisite amount of earnest money shall be rejected. The Earnest Money will be returned to all unsuccessful bidders on completion of the tendering process and issue of work order to successful bidder. No interest will be payable to the EMD, in any case.

Bids submitted without EMD (Except MSME firms having valid NSIC registration and certificate) will be rejected, if EMD is insisted in the tender. The EMD can be remitted either in the form of DD/Bankers Cheque /FDR drawn/ NSC in favour of Cochin Shipyard Ltd (with a minimum validity of 3 months from the date of tender opening). Cheques are not acceptable.

## 9. SECURITY DEPOSIT

The successful tenderer shall remit 10% of the value of the contract as security deposit within 15 days of receipt of the work order. This amount after adjusting the EMD may be remitted by way of demand draft or bank guarantee (in approved proforma of CSL) from any of the nationalized banks, valid till the satisfactory completion of the entire work. In case the contract is extended further, the validity of the Security Deposit shall stand automatically extended. The Security Deposit will be released within two months from the satisfactory completion of the contract and on certification of nil liability to CSL by Officer-in charge. The Security Deposit retained will not bear any interest. In case of non-performance of agreed terms and / or breach by the virtual reality company/ firm, the Security Deposit shall be forfeited after obtaining approval of Competent Authority, or to the extent of cost involved, if any, which shall be adjusted in the Security Deposit.

## 10. AGREEMENT

- a. The firm has to execute an agreement in stamp paper of adequate value within 10 days of receipt of work order for execution of work.
- b. The firm has to execute an agreement in a stamp paper of adequate value within 10 days after the successful completion of the work valid for three years for the warranty of VR gadgets.



## **11. FORCE MAJEURE**

Should failure in performance of any part of this contract arise from war, insurrection, restraint imposed by Government act or legislation of other statutory authority, from explosion, riot, legal lock-out, flood, fire, act of Government or any inevitable or unforeseen event beyond human control which will be construed as a reasonable ground for extension of time, CSL may allow such deviation as is mutually agreed to be justified by the circumstances of the case. The occurrence/ cessation of force majeure situation is to be informed with documentary evidence within 15 days from the date of occurrence/ cessation.

## **12. ARBITRATION**

- 12.1 Any disputes arising during the currency of the contract shall, in the first instance be settled by mutual discussions and negotiations. The results of such resolution of dispute shall be incorporated as an amendment to the contract, failing which the parties can resort to arbitration.
- 12.2 If any dispute, disagreement or question arising out of or relating to or in consequence of the contract, or to its fulfillment, or the validity of enforcement thereof, cannot be settled mutually or the settlement of which is not herein specifically provided for, then the dispute shall within thirty days from the date either party informs the other in writing that such disputes, disagreement exists, be referred to arbitration, by a sole arbitrator to be appointed by mutual consent of the parties. The arbitration proceedings shall be conducted in accordance with and subject to the Arbitration and Conciliation Act, 1996 (No. 26 of 1996) as amended from time to time and the decision of the Arbitrator shall be final and binding on the parties hereto. Each party shall bear its own cost of preparing and presenting its case. The cost of arbitration shall be shared equally by the parties unless the award provides otherwise. The enforcement of the award shall be governed by the rules and procedures in force in the State in which it is to be executed. Performance under this Contract shall however, continue during arbitration proceedings and no payment due or payable by the parties hereto shall be withheld unless any such payment is or forms a part of the subject matter of arbitration proceedings. The seat of Arbitration shall be Kochi, Kerala.

## **13 MSME Firms**

Order dated 23<sup>rd</sup> March 2012, from Ministry of MSME, pertaining to Public Procurement Policy is applicable for this Tender. MSME bidders have the following benefits:

- A. For all the Firms who are registered with District Industries Centre and come under the category of Micro & Small Enterprises holding a valid EM Part II certificate or UdhyaogAdhaar certificate, the following benefits are extended.
- i. Tender forms shall be issued free of cost.
  - ii. Payment of Earnest Money Deposit (EMD) is exempted.

- B. For all the Firms who are registered with NSIC and come under Micro & Small Enterprises holding a valid NSIC certificate, the below benefit is also extended in addition to 'A' above.
- C. Waiver of Security Deposit (SD) for the performance of the contract (10% of the order Value by the way of Bank Guarantee till the supplies are completed). However to ensure performance of the item during the guarantee period a Performance Bank Guarantee (PBG) (10% of the Order Value by the way of Bank Guarantee) to be submitted by the firm as applicable.

**14 LIQUIDATED DAMAGES:**

In case any delay in works beyond the stipulated completion period, the firm/ Company has to pay as Liquidated Damage (LD) a sum equivalent to ½ % (half percentage) per week or part of the week of the order value for the actual period of delay subjected to maximum of 5% of the order value. In case of reasons attributed to CSL side LD can be waived proportionately.

**15. JURISDICTION**

All questions, disputes or differences arising under/out of or in connection with this contract shall be subject to the jurisdiction of the Courts in Kochi, Kerala

**16. SECRECY CLAUSE**

- 16.1 The firm shall be responsible to ensure that all persons employed by them in the execution of any work in connection with this contract are aware of the provisions of the official secrets act 1923 and to comply with the same. Any information provided to you under this contract is to be treated as strictly confidential and is not to be disclosed to any person or persons not concerned therewith.
- 16.2 The firm shall ensure that, they shall not use, details of CSL and its work done, procedures/ documents handed over for the purpose of this project, for use in advertising, publicity, sales, or in any other medium except with the prior written consent of CSL.

**17. TERMINATION OF THE CONTRACT**

The contract with the L1 company/ firm may be terminated in the following circumstances:

- 17.1 In the event of the company/ firm having been adjudged insolvent or going into liquidation or winding up their business or failing to observe any of the provisions of the contract or any of the terms and conditions governing the contract or failure to render the contracted services in time, CSL shall be at the liberty to terminate the contract forthwith without prejudice to any other right or remedies under the contract and to get the work done by other agencies at the risk and cost of the company/ firm and to claim from the company/ firm any resultant loss sustained or costs incurred.
- 17.2 When the performance of the company/ firm is found not satisfactory with regard to faculty, program quality, delivery etc and other contractual obligations.

17.3 When the Virtual reality company/ firm is found to have made any false or fraudulent declaration or statement to get the contract or he is found to be indulging in unethical or unfair practices.

17.4 When both parties mutually agree to terminate the contract.

## **18. AMENDMENTS TO THE TENDER DOCUMENT**

If CSL deems it appropriate to revise any part of this tender document or to issue additional data to clarify any provisions, CSL may issue supplements to the tender document. Any amendments shall be published on the website ([www.cochinshipyard.com](http://www.cochinshipyard.com)). Prospective vendors are advised to periodically visit the website.

## **19. GENERAL CONDITIONS**

19.1 CSL reserves the right to accept / reject any offer.

19.2 Contents for each programme shall be finalised with the approval of CSL

19.3 The bids that are not prepared / submitted as per the price bid format or without the adequate documents to prove the experience / other requisites may be summarily rejected.

19.4 Compliance of all statutory safety requirements and other safety rules stipulated by CSL and other applicable statutory bodies shall be the responsibility of the Firm while working at CSL premises.

19.5 Any damages caused to the Shipyard properties / tools / accessories should be rectified by the Firm at their cost or proportional recoveries will be made from the Firm while passing their bills for payment.

19.6 The Firm shall also be governed by the General Conditions of Contract of CSL, General Safety Rules and other relevant labour laws.

19.7 CSL may invite the L1 bidder for further discussion for deciding various aspects of the project and finalization of work order including payment terms.

19.8 Firm that have been blacklisted/ debarred by Govt. Depts. / PSU's in performance of similar contracts during the last five years shall not be eligible to submit the tender. The bidder will have to submit a declaration to CSL in this regard at the time of submission of tender.

19.9 The company/ firm should have intellectual property rights in the material/ application used for this project. The company/ firm shall be liable to indemnify CSL in the event of any third

party claim against CSL for infringement of intellectual property rights in connection with any material/ application used or shared by the company/ firm.

19.10 Chief General Manager (Tech) or his authorized representative will be the Officer-in-charge of this Contract.

19.11 Person/s signing the tender should have all the requisite power and authority in this behalf under applicable laws and must state in what capacity he/they is/are signing the tender. The vendor shall also submit to CSL such resolutions/authorisations /deeds as may be required to establish the authority of the person signing the tender /work order on its behalf, at the time of execution of contract.

## **20 OVERWRITING & CORRECTIONS**

Tenders shall be free from overwriting or erasures. Corrections and additions, if any, shall be duly attested and a separate list of such corrections shall be attached with the offer.

Chief General Manager (Tech)

**TENDER NO. SFY /08/28/2020**

**DEVELOPMENT OF CONFINED SPACE SAFETY TRAINING**

**ANNEXURE - III to TENDER ENQUIRY**

**TECHNO COMMERCIAL BID FORMAT**

<b>SI No</b>	<b>Description</b>	<b>Documents Required</b>
1	<b>Name of the firm</b>	
1(a)	<b>Name of the Joint firm if applicable</b>	
2	<b>Name (s) of the Proprietor/ Partners/ Directors</b>	
2(a)	<b>Name (s) of the Proprietor/ Partners/ Directors of the joint firm if applicable.</b>	
2(b)	Agreement, if joint ventures (if applicable) as per the clause 2.2 of terms and conditions(annexure II)	
3	<b>Profile</b> of the firm(s)	
4	<b>Registered address</b> of the firm with phone, fax & email address	Please attach copies of, registration certificate from ROC/ copy of PAN/ GST registration
5	Name of the <b>Contact person</b> , his title, phone & email address	
6	Details of <b>earnest money deposit</b> with name of bank and payment details	

7	<b>Experience -</b>	Self attested copies of work orders/ agreements signed with clients/ work completion certificates/ experience certificates from the client clearly indicating the period and nature/scope of work etc shall be attached. Applicable to both firms in the case of joint venture.
8	References	Attach names of organizations and contact information for two (2) clients from last 3 years who can provide insights regarding experience. (Refer clause 2.3 of terms and conditions(annexure II)
9	Financial Capabilities	Attach certificate issued by its Statutory Auditors with their seal and signature, stating firms net worth & revenues from professional fees during the past three years .(Refer clause 2.4,2.5 and 2.6 of terms and conditions(annexure II)
10	Annual Maintenance Contract of hardware for a period of 3 year from the date of supply.	
11	Items applicable mentioned in Clause 2 of Terms and Conditions (annexure II)	

- I. Submission of documentary proof for the above Technical Bid Format is mandatory. In case of absence of any documentary proof as desired above, the bid is liable to be rejected. Also the documentary proofs attached should be duly attested by the authorized signatories.
- II. An undertaking for the subsequent submission of any of the above documents will not be entertained under any circumstances. Before submitting the offer, the bidder may check with the checklist attached (Techno commercial checklist), whether all the documents are enclosed.

Signature of authorized signatory

Name of authorized signatory

Designation :

Seal :

Date :

**TENDER NO. SFY/08/28/2020**

**DEVELOPMENT OF CONFINED SPACE SAFETY TRAINING  
THROUGH VIRTUAL REALITY**

**ANNEXURE - V to TENDER ENQUIRY**

**TECHNO COMMERCIAL CHECK LIST (To be submitted by the bidder)**

(Bidders may confirm acceptance of the Tender Conditions)

<b>SL No</b>	<b>Tender Enquiry Requirements</b>	<b>Confirmation from bidder (<u>strike off</u> <u>whichever is not</u> <u>applicable</u>)</b>	<b>Specific comments /Remarks</b>
1	Submission of Information/Documents with bid as per Annexure III	Submitted/ Not submitted	
2	All the documents including all annexure duly signed by the authorized signatory	Confirmed/ Not confirmed	
3	Confirm all terms and conditions of this tender enquiry are acceptable.	Confirmed/ Not confirmed	
4	Confirm, un-priced price bid (price bid without price) is submitted with Part – I bid	Confirmed/ Not confirmed	
5	Mode of submission of tender (Postal / Tender box at CSL)	Confirmed/ Not confirmed	
6	Items applicable mentioned in Clause 2 of Terms and Conditions (annexure II)	Confirmed/ Not confirmed	
7	EMD with validity of 3 months	Confirmed/ Not confirmed	

Signature of authorized signatory

Name of authorized signatory

Designation :

Seal :

Date :