



संशोधनेन संवृद्धिः

**VASANTDADA SUGAR INSTITUTE
MANJARI BK., HAVELI, PUNE- 412307**

Phone: 020-26902316/26902286 Fax. 020-26902244

WEBSITE: www.vsisugar.com

TENDER NOTICE

Sealed offers in two envelopes (in prescribed format) are invited from reputed firms/Suppliers/Manufacturers for VR Based Training Solution of Module Based on Brewery, as detailed below;

Sr. No.	Item/Description	Tender form fees	EMD Amount
1.	VR based training Solution of Module Based on Brewery (as per specification) : Qty.- 1 Nos.	Rs. 4,020/- Inc. GST	Rs.20,000/-

The tender form can be downloaded from website during the period from 09.08.2024 to 19.08.2024. The Pre bid meeting will be on **14/08/2024 (03.00 PM) at VSI, Manjari Bk Office.** Last date for submission of Tender form is **19/08/2024.** Institute reserves the right to accept or to reject any or all tenders without assigning any reason thereof.

DIRECTOR GENERAL

Tender Terms & Conditions

1. Please quote for the rate including freight, warranty, loading & unloading, installation, commissioning & successful operation and Taxes separately.
2. Offer should be valid for 120 days from the last date of submission.
3. Demand Drafts of Tender form fee and Earnest money deposit (as mentioned in tender notice) should be of Nationalized/schedule Bank in favor of Vasantdada Sugar Institute, Pune.
4. Supplier/Agency will have to complete the order/work as per the purchase/work order. If the supplier/agency failed to complete the job within 30 days, penalty equal 0.5% of cost of contract value per week will be recovered as liquidated damages.
5. The Institute is not responsible for any accidents/claims during the transportation/work/installation of the material/equipment.
6. Supplier/Agency should submit the delivery challan, without delivery challan/invoice unloading will not be allowed.
7. The Supplier/Agency should give prior intimation before unloading.
8. No advance payment is allowed.
9. Earnest money deposit will be forfeited if supplier withdraw his offer or refuse to sign an agreement of supply after opening of offers.
10. The decision of Director General, Vasantdada Sugar Institute is binding on supplier in respect of the entire dispute.
11. T.D.S. provisions of I.T. Act are applicable, and according T.D.S. at applicable rate would be deducted from bill amount.
12. Selected Supplier/Agency will have to deposit the security deposit of 4 % of the total order cost and sign an Agreement before placement/receiving of purchase order on non-judicial stamp paper of Rs.500/-.
13. The demand drafts of tender form fee and earnest money deposit should be submitted along with offer in envelope no.1 (Technical bid)
14. 100% payment will be made against completion of work as per order/specification at our site & submission of satisfactory work completion report of user department within 30 days from the date of receipt of bill.
15. Security deposit shall remain in the hands and custody of VSI without interest up to warranty period.
16. If the Supplier/Agency failed to complete the work ordered, the same would be purchased from other agency at the risk & cost of the firm.

IMPORTANT: The Tender should be submitted in two separate sealed envelopes in the following manner with clearly mentioning the subject of the tender.

Envelope No. 1. : D.D. of Tender form fee and EMD, a copy of firm registration, a copy of GST registration, a copy of PAN card, technical manpower available, the list of customers for whom similar work done. Technical Information & brochure, if any

Envelope No. 2. Commercial offer only. The rates should be quoted both in words and in figures. In case of variation in rate quoted in figures & word, the rate quoted in word shall be considerable.

Chief Accountant & I/c. Purchase

TENDER FORM

(Tender form for VR based training Solution of Module Based on Brewery (as per specification))

From: _____

Ph/Mobile No. _____

To,
The Director General,
Vasantdada Sugar Institute,
Manjari Bk., 412 307,
Tal. - Haveli, Dist. - Pune

Sub: Tender for “VR based training Solution of Module Based on Brewery (as per specification)”

Dear Sir,

As per your tender notice published in Daily _____ dated: / /2024,
We are submitting herewith our lowest offer as under.

Sr.No.	Particulars	Rate	Quantity	Amount Rs.

Note: The rate should be quoted in words & figure.

Terms & Conditions:

1. Taxes :
2. Delivery :

Declaration: I/We agreed to supply the material/complete the work within stipulated period and also accept all terms and conditions mentioned in tender.

Yours faithfully,

Signature:
Name :
Stamp of the firm:

Annexure - A

Tender Technical Specification for VR based training solution of module based on brewery

A. Software Specifications

1. The software should be cloud based ready platform.
2. The software platform should be able to bring in any CAD model (either in native form or in neutral format) such as standard CAD software like CATIA, NX, Creo, Solid works, Solid Edge, Inventor, AutoCAD, Blender etc.)
3. The software should be able to bring in other assets like 360 videos, 360 images, normal images (.jpg format), Audio files (mp3 formats), Video files, Avatars, backgrounds, point clouds/scan output etc.
4. The software should be able to automatically convert the models into VR/AR enabled formats which can be easily accessed by various devices. The process needs to be automatic without any need for manual optimization.
5. The required software must allow quick visual reviews of existing 3D CAD models in 1:1 scale.
6. Software will have visual interface to manage VR experience, user experiences and various user settings
7. Software must support displaying 3D CAD on fully immersive Head Mounted display device connected to the Workstation or non-connected headsets (standalone headsets)
8. The software must be able to collaborate instantly in immersive mode or non-immersive mode with other participants like a Teams meeting. The participants will be able to walk around the model and also able to interact with the model.
9. Software must provide a configuration mechanism to configure various user parameters.
10. Software must provide an in-VR graphical user interface with menu options, allowing users to select options and interact with the data.
11. The software must have options like rotating, move, highlight, explode, section, make transparent etc.
12. Software must have the capability to walk through the 3D CAD model by using controllers.
13. The software must allow for rapid iterations and unified updates to experiences.
14. The user must be able to view the 3D CAD models and other data and interact with the

data in non-VR mode and AR mode.

15. The software has to integrate with external business systems with APIs.
16. The software must have the ability to segregate data by users/ projects so that there is data privacy.
17. The software must have the ability to quickly create training modules for assembly/ disassembly sequence or similar operations.
18. The software has the ability to quickly build walkthrough experiences for plant/ building walkthroughs.
19. The software will have editor to modify experiences/ reuse experiences and other manipulation of the logic.
20. The software must have ability to package the experiences into modules which can be easily integrated with Website, Google doc, Word Doc.
21. All necessary components and required safety of the system should be provided.
22. Supplier should provide updation and maintenance of software within warranty period.
23. Supplier should specify Annual Maintenance Contract (AMC) cost of software after warranty period.

B. Operational requirements

1. The systems should run continuously (24 X 7) if needed.
2. Simple to install and commission, if required to be relocated
3. Easy and comprehensive User Interface for monitoring and operations.

C. Scope of Supply, Installation and Monitoring

1. Supply of VR based training solution of module based on brewery
2. Supplier should provide the authentic software and its license for use of VR based technology.
3. Assist with development and deployment of AR/VR technology to support Vasantdada Sugar Institute (VSI) in use of AR/VR technology for training and education
4. Provide support and other professional services necessary to maximize the benefits of AR/VR technology.
5. The supplier should train the technical staff of VSI in use of VR Platform and build module for Brewery plant OR various plants as per requirement of VSI up to complete satisfaction.

6. Supplier should train the VSI staff for CAD model creation, CAD model configuration for VR compatibility and Building of VR working module during creation of module based on brewery OR various plants as per requirement of VSI.
7. Understand any special work that needs to be done on the CAD models required for module based on brewery and any processes for cleaning, merging of data if required.
8. The VR based module must work on any devices – AR headset, VR headset, MR headset, Tablet, PC, Mobile.

The supplier should consider following points.

1. The user should be able to access the experience in an immersive manner in AR/VR/MR on any industry standard devices. The software platform should be flexible enough to in a short time upgrade to any new devices in the future.
2. The user should be able to see the same experience in a non-immersive mode on a laptop, tablet or mobile without any modification of the content, program, or software.
3. The software will have provision to work in VR mode/ as well as Pass-through AR, MR mode, AR on tablet or non-VR mode on a Tablet, PC, Mobile
4. The user should be able switch from VR to MR/AR mode on the same platform

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