



Notice Inviting E-Tender

E-Tender No. ADM:STR:3151:MOF-19: CAD SolidWorks:2023-24

Date : **27/06/2023**

C.I.R.T., Bhosari, Pune invites E-Tender in Two Bid Systems (Technical and Financial) from Original software Developer (OEM) / Authorised Distributors for **Supply, Installation & commissioning of Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis** at C.I.R.T., Bhosari, Pune.

Sr. No	Description	EMD	Last Date for Online Submission	Technical Bid Opening
01	Supply, Installation & Commissioning of Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis	INR 45,000/-	01/08/2023 Time- 17.30	02/08/2023 Time-11.00

Interested Original software Developer/ Authorised Distributors of Original software Developer, with valid authorisation letter of Original software Developer may view and download detailed tender documents from

C.I.R.T.'s e-Tender portal.

www.cirtindia.com/tendernotice.html or <https://tenderwizard.com/CIRT>

All Bids must be submitted through the Online portal.

Salient information about the E-Tender :

1] **Who can participate in this e-Tender:** The bidders who have registered with C.I.R.T.'s e-Tender portal can only participate in this tender process.

2] **How to Register:**

a) The prospective bidders have to register with CIRT by paying **Annual Registration Charge of Rs. 2,000/- (+) G.S.T.** (as applicable) to M/s. I.T.I. Ltd. through E-Tender portal of CIRT by online payment. On completion of the registration process, the bidders will be provided user ID and Password. After receipt of User ID and Password, Bidders can log on at our e-Tender portal for downloading & uploading tender documents.

b) **Tender Processing Fee (Non-Refundable) with G.S.T.** (as applicable) is payable online on the portal of CIRT e-tendering website for applying the tender online.

Note: Banking Transactions charges are applicable for online payment

3] **Device requirement for participation in e-Tender :** Bidder should have valid Class III Digital Signature Certificate (DSC) device for participating in e-Tender. For integrity of data, its authenticity /non-repudiation of electronic records shall be in compliance with IT Act 2000 as amended from time to time. It is necessary for each user to have a Digital Certificate (DC), also referred to as Digital Signature Certificate (DSC) of Class III issued by a Licensed Certifying Authority (CA). The contact details for e-Tendering are furnished below :-

Name of the Service Provider:

Contact Persons of I.T.I. Mr. Sanjay Chandak	Telephone / Email Mobile: 9665721619 Email :sanjay.kc@etenderwizard.com Email: twhelpdesk651@gmail.com	For vendor Registration / DSC/Any other issue regarding e- Tender Process, Please contact I.T.I.
Mr. Arijeet Kumar	Contact No : 8800445981 Email: arijeet@etenderwizard.com	
I.T.I.'s Tenderwizard Helpdesk :	Contact No : 01149424365	

Note: Above contact details are only related to technical queries pertaining to submission / upload of E-Tender, for any other queries please email to stores@cirtindia.com or contact Stores officer on 020 – 67345300.

4] **Availability of Tender Documents:** All bid documents (Technical and Commercial) are available ONLINE at CIRT's e-Tender portal. The registered bidders can download the Bid from these websites. If tender form fee of Rs.2000/- plus GST is not received along with physical technical bid submission, the bid will be disqualified.

5] **Mode of Submission:** The Tender Document should be submitted in two parts:

PART-A TECHNICAL BID – Technical Bid shall be submitted **online** (all documents to be signed and scanned) and a hard copy of the same along with Tender form Fee and EMD vide DDs drawn in favour of Director, CIRT and payable at Pune, in the envelope superscribed as Technical Bid for “**Supply, Installation & Commissioning of Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis** ” to be submitted by the bidder.

Note : 1. Bidder should clearly mention the Tender no. and Title of the tender which is submitted.

2. Technical bid must be compulsorily submitted both online and hard copy within stipulated date and time, failing which the bid would stand disqualified.

Part –B COMMERCIAL BID – Commercial Bid to be submitted **online only**. Commercial bid sent through hard copy will not be accepted and shall be disqualified. **The bidder should submit the Commercial Bid online only in the attached Excel Format as detailed at chapter 5.**

While uploading / submitting the documents, it should be ensured that the correct tender no. and tender title is mentioned.

6] All pages of Tender documents and Addenda / Corrigenda (if any) must be signed with proper official stamp and date by the authorized signatory of the Bidder / or authorized power of Attorney holder (relevant authorization document to be enclosed) at the lower right-hand corner.

7] Bidders are advised to visit CIRT's e-Tender portal regularly for any Addenda / Corrigenda.

CENTRAL INSTITUTE OF ROAD TRANSPORT**Post Box No.1897, Bhosari, PUNE – 411 026 (INDIA)****Tel. (91) 20 67345300 (30 Channels)****Fax : (91) 20 67345403****Website : www.cirtindia.com****TENDER DOCUMENT SUBMISSION – A BRIEF**

Sr. No.	Particulars	Details
1.	Tender Reference No.	ADM:STR:3151:MOF-19: CAD SolidWorks:2023-24
2.	Tender Title	Supply, Installation & Commissioning of Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis
3.	Tender Issuing Authority	Central Institute of Road Transport, Pune
4.	Software Installation Location	Central Institute of Road Transport, Pune
5.	Tender Form Fee	Rs.2000/- (Rupees Two thousand only) Plus GST to be paid through Demand Draft in favour of "Director CIRT" *Firms having MSME registration are exempted from payment of tender form fee. Note: * MSME registered firm shall submit copy of MSME UDYAM registration certificate.
6.	Earnest Money Deposit	Rs. 45,000 (Rupees Forty Five thousand only) through Demand Draft in favour of "DIRECTOR CIRT" *Firms having MSME registration are exempted from payment of Earnest Money Deposit. Note: * MSME registered firm shall submit copy of MSME UDYAM registration certificate. However, Tenders of MSME firms not submitting MSME registration certificate are liable for rejection
7.	Submission of Pre-bid queries (For Pre-Bid Query Format Refer Annexure A)	<ul style="list-style-type: none">• On or before 1700 hrs on 07/07/2023 by email• Email to be sent to stores@cirtindia.com
8.	Pre-bid meeting Date, Time and Mode	On 12/07/2023 at 14.30 hrs. in Online & Offline mode-
9.	Pre-bid meeting Venue	Central Institute of Road Transport Conference Hall Pune Nasik Road, Pune 411 026 For online Link will be sent upon receipt of request to stores@cirtindia.com The request should be received on or before 1700 hrs on 07/07/2023 by email.
10.	Last Date of submission of online bids Technical & Financial	01/08/2023 at 1730 hrs.
11.	Physical Submission of only Technical Bid	01/08/2023 at 1730 hrs.
12.	Technical Bid Opening	02/08/2023 at 1100-hrs @ CIRT, Pune

13.	Commercial Bid Opening	Date will be finalized on conclusion of technical bid evaluation.
14.	Address for Communication and Submission of Technical bids	DIRECTOR Central Institute of Road Transport Post Box. 1897, Pune Nasik Road, Pune 411026. Tel: 020-67345300
15.	Download Request for Proposal & Upload e-tender	A copy of the tender document should be downloaded from www.cirtindia.com/tenderNotice.html or https://tenderwizard.com/CIRT

The Director, C.I.R.T. Bhosari, Pune 411 026 reserves the absolute right to accept / reject any or all bids at any stage of the tender process without assigning any reason whatsoever.

Check List for Documents to be enclosed (bidder is requested to fill the relevant details):-

(please ✓ in appropriate column)

1	Payment of Tender form fee [Non-refundable] [DD No._____dt.____Bank_____for Rs.2000/- plusGST]	
2	Demand Draft favouring Director, CIRT for EMD (Refundable) (DD No._____dt.____Bank_____for Rs /-]	
3	Compliance Statement of Terms & Conditions(As per below Table - 1)	
4	List of Clientele (As per below Table - 2)	
5	Prebid Queries format – Annexure A	
6	Financial Details of the Bidder – Annexure B	
7	Bidder Information Sheet - Annexure C	
8	Anti- Blacklisting Certificate- Annexure D	
9	Details for Pre-requisite Infrastructure Requirements for Supply, Installation & Commissioning of Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis - Annexure 'E'	
10	Technical Compliance Sheet - Annexure 'G'	
11	Undertaking from the Original software Developer in case of bidder is Original software Developer - Annexure 'H'	
12	Undertaking from the Original software Developer in case of bid is submitted by authorized distributor - Annexure 'I'	
13	Self Certification under preference to Make in India Order Certificate- Annexure 'J'	
14	Self-Certification to be submitted by Non-local suppliers Annexure 'J1'	
15	Format for submission of letter from purchaser of Computer Aided Design (CAD) software - SolidWorks Annexure 'K'	

Table 1**COMPLIANCE STATEMENT OF TERMS & CONDITIONS**(Please read the Terms & Conditions of Tender at Chapters 1-5)**I hereby accept all the terms & conditions of the tender including following:**

Clause	Chapter No./point no.
Pricing, Schedule of Payment Terms and Taxes & Duties	3(1-3)
<u>Warranty</u> A) Minimum 1 year (comprehensive) B) Free Replacement on Door Delivery basis. C) Performance Bank Guarantee D) Extension of Warranty	2(5) 2(5-a) 2(4) 2(6)
<u>Delivery</u> A) Door Delivery B) Penalty on delayed delivery	2(2-A) 2(2-B)
Pre-despatch Inspection	2(1)
Installation, Commissioning of CAD software and Training	2(3)
Technical & Commercial compliances:	
Technical Specification: Compliance to the Technical Specification/details	4 (1-3) & Annexure 'F & G'
Annual Maintenance Contract (AMC): Compliance to the AMC as per the tender condition.	2(7 b)
Performance Bank Guarantee: Compliance to the performance bank guarantee as per the tender condition.	2(4) 2(7-g) 3 (2-c)
Customer Service Support after Warranty Period: Compliance to the customer service support after warranty period as per the tender condition.	2 (7)
Authorized distributor for Technical Services: If bid is submitted by an authorized distributor then distributor shall be associated with Original software Developer for minimum last 3 years and have expertise of supply, installation, commissioning & repair in most effective manner. Accordingly, the relevant documents of the OEM for authorisation shall be submitted with tender. In case the authorised distributor fails, it is the responsibility of the Original software Developer to fulfil the commitments as per undertaking Annexure 'I'.	2(10)

In the event of any dispute, the legal matter shall be subjected to the jurisdiction of Pune Court only. We confirm with our acceptance to the instructions as given.

Name & Signature of Authorised Signatory

Table 2: Client List

Tenderer must provide existing client list. A list of such clients shall be furnished in the following format.

Sr. No.	Name of Company, Postal Address	Name of Contact Person; contact no., email id	*Purchase Order /Work Order Details (completed projects)	Date of Installation	Feedback from Clientson their letterhead
1					
2					
3					
4					

*Copy of Purchase order/work order/ Feedback letter from client/s must be scanned and uploaded (for minimum three clients)

Name & Signature of Authorised Signatory

(with Company stamp)

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Chapter 1 Instruction to Bidders

1. Earnest Money Deposit (EMD) / Bid Security:

Earnest Money Deposit [EMD] will have to be paid along with the tender by a Crossed Demand Draft drawn on any Nationalised /Scheduled Bank in favor of the Director, CIRT, and payable at Pune. The details of the same should be submitted in the envelope containing Technical Bid. Tender without Earnest Money Deposit will be rejected. Submission of Bank Guarantee, in lieu of EMD draft will not be accepted.

Bidder shall submit the EMD of an amount INR 45,000/- (In words Rs. Forty five thousand only) along with Technical Bid before the due date & time of closing of the bidding process.

In case of foreign manufacturers, EMD to be in Indian Rupees (INR) only. The CIRT shall not be liable for payment of any interest on EMD.

Firms having MSME registration are exempted from payment of Earnest Money Deposit. MSME registered firm shall submit copy of MSME UDYAM registration certificate (MSME from top). However, Tenders of MSME firms not submitting MSME registration certificate are liable for rejection.

A. Refund of EMD to unsuccessful Tenderers: EMD will be refunded by cheque/DD/NEFT to the unsuccessful tenderer, after decision on the acceptance of the successful tenderer is taken or within 6 months from the date of opening of tender, whichever is earlier. Transaction will be done in INR for refund of EMD to foreign bidders.

B. Earnest Money Deposit of successful tenderer: EMD will be refunded by cheque/DD/NEFT to the successful tenderer only on satisfactory execution of Purchase Order (PO) and submission of **Performance Bank Guarantee**. If the successful tenderer refuses to accept the PO with terms and conditions of tenders and/or as mutually agreed terms, EMD will be forfeited, and no further correspondence will be entertained in the matter. In cases, where the successful tenderer does not convey a written acceptance of order within 15 days of date of issue of purchase order, the purchase order will be cancelled and EMD will be forfeited.

C. Validity of offer: The offer should be kept valid for a minimum period of 90 Days from date of opening of the tender. In the case of successful tenderer, the approved prices shall remain valid till Purchase Order is fully executed. The bidder shall not withdraw or modify their Bids during the period of validity.

2. Tender Form Fee

A complete set of tender documents may be downloaded by interested eligible tenderer.

For MSME registered Firms are exempted from tender form fee.

MSME registered firm shall submit copy of MSME UDYAM registration certificate.

The tender form fee and EMD to be paid by two separate Demand Drafts and kept in two sealed envelopes. For physical submission, the two envelopes along with Technical document should be kept in one envelope superscribed "Supply, Installation & Commissioning of Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis -Technical bid" so as to reach CIRT, Pune by **01/08/2023 upto 17.30 hrs.** of bid submission. Late tenders shall not be accepted, under any circumstances. The technical bid shall be opened as per schedule at CIRT Office, Pune in the presence of bidders who may like to be present.

3. Eligibility criteria of bidder

Sr. No.	TECHNICAL ELIGIBILITY CRITERIA	SUPPORTING DOCUMENTS TO BE SUBMITTED BY BIDDER
1	Bidder must be registered as per the relevant Act (e.g. Companies Act or Partnership Act or any other relevant Act) in India or as per the country of registration.	Copy of Certificate of Incorporation (Copy of registration certificate under Company Act) or (Copy of registration, under Partnership Act) or equivalent document, as applicable, issued by a Competent Government Authority to be submitted by bidder.
2	Bidder must be class I or class II local supplier Or Non-Local supplier as per order no. P45021/2/2017-PP (BE II) dated 16.9.2020 and P-45021/102/2019-BE-II Part(1) (E-50310) dated 04.03.2021 of MoCI, GOI and latest amendments, if any.	Declaration is to be submitted by Class I and Class II suppliers in Technical bid as per the Annexure J and Non-Local Suppliers shall submit declaration as per Annexure J1 of this tender.

3	Bidder must be Original Software Developer (OEM) / Authorized Distributors of Software Developer (OEM), with valid authorization letter of Original software Developer (OEM) with Average annual turnover of the OEM in the 3(three) financial years (FY 2017-18, FY 2018-19 and FY 2019-20) shall be at-least Indian Rupees Ten Crores and Average annual turnover of the Authorized Distributors of OE in the 3(three) financial years (FY 2017-18, FY 2018-19 and FY 2019-20) shall be at- least Indian Rupees Two Crores .	Copy of the audited annual accounts of the Original software Developer (OEM) & Authorized Distributors, as applicable, for each of the three financial years (FY 2017-18, FY 2018-19 and FY 2019-20) and a certificate (on the letter head) of the Statutory Auditor of the Original software Developer (OEM) / Authorized Distributors duly signed & stamped and clearly mentioning the turnover details of each year in the three financial years (FY 2017-18, FY2018-19 and FY 2019-20) Details to be submitted as per Annexure B. “For MSME registered firms Average annual Turnover in the 3 (three) financial years (FY 2017-18, 2018-19, 2019-20) shall be as per MSME Norms. Details to be submitted as per Annexure B.												
4	Original Software Developer (OEM) should have sold at least 50 (fifty) SolidWorks Licenses in last three years to the reputed organizations. In case the bid is submitted by authorized distributor, the bidder should have sold at least 10 (Ten) SolidWorks Licenses in last three years to the reputed organizations.	The bidder shall submit information as per Table 2 (page 6) and Annexure C along with documentary evidence such as Copy of contract and/or work order or purchase order and copy of delivery challan and invoice for the sold SolidWorks Licenses .												
5	1. Bidder shall submit the list of clients to whom they have sold the CAD software - SolidWorks in last 3 years. 2. The bidder shall submit the letter from at least three such purchaser who have purchased the CAD software - SolidWorks during last 3 years on the letter head of purchaser about the present satisfactory operation of the sold CAD software - SolidWorks	1. List of clients to whom bidder have sold the CAD software - SolidWorks in last 3 years in following format: <table><tr><td>Sr. No</td><td>Name & addresses of the purchaser</td><td>Name of the contact person</td><td>Email ID of purchaser</td><td>Contact number/ Mobile number of purchaser</td><td>Presently the CAD Software is operating satisfactorily please mention (Yes/ NO)</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> 2. The Letters from three purchasers during last 3 years on the letterhead of the purchaser about satisfactory operation of CAD software - SolidWorks presently as per Annexure K .	Sr. No	Name & addresses of the purchaser	Name of the contact person	Email ID of purchaser	Contact number/ Mobile number of purchaser	Presently the CAD Software is operating satisfactorily please mention (Yes/ NO)						
Sr. No	Name & addresses of the purchaser	Name of the contact person	Email ID of purchaser	Contact number/ Mobile number of purchaser	Presently the CAD Software is operating satisfactorily please mention (Yes/ NO)									
6	Bidder should have GST registration and valid PAN documents	Valid GST registration Certificate, PAN documents shall be submitted.												

7	Bidder must not have been blacklisted/ terminated for fraudulent practices or for non-fulfilment of contract by any of its clients including Indian government / State Government departments / Ministries / Government Undertakings or Corporations/ Government Bodies / Autonomous bodies / VMs and Public Sector Undertakings in India or abroad, as on the date of submission of Bid.	Self-certification undertaking signed by the Authorized Signatory of the bidder on the Bidder's letter head. Details to be submitted as per Annexure D . In Case the tender is submitted by authorized Distributor, Self-certification undertaking is to be submitted by both the Original Software Developer and the authorized distributor.
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Note:

1. It is mandatory to submit the specified documents in support of the above Technical Eligibility Criteria and the Bidder shall be disqualified, if the bidder fails to provide any of the above specified documents.
2. Bidders should necessarily give the details in the formats given in Annexure/forms of this tender. All the details should be given in the prescribed format only and in accordance to the terms and conditions as mentioned in this tender.
3. Bid should be comprehensive and must consider the Scope of Work to be completed.
4. CIRT at its sole discretion may seek clarifications from any Bidder on the Technical Eligibility Criteria and any information submitted in his Bid.
5. Any Bidder submitting any information regarding price/financial quote in his Technical Bid shall be disqualified from the Bidding Process.
6. For authorized distributor of original Software Developer pertaining to countries, sharing land border with India, the manufacturer should have registration certificate of appropriate competent authority of Government of India, as per the applicable statutory Government of India Rules. The copy of valid certificate shall be submitted along with tender.
7. Bidders should submit supporting documents like Installation and commissioning report, copies of PO of purchasers during last 3 years and all other documents listed above with technical bid. This will be verified before evaluating technical specifications. In case bidder does not meet the criteria or CIRT come across any information about negative feedback from their purchasers then the bid will be not considered for further evaluation and shall be rejected.

4. Terms and conditions for Submission of Tender document

- a) Bidders should submit their Technical Bid physically and online on the e-tender portal. Commercial Bid should be submitted only online on e-tender portal as per tender schedule. Bidders are also requested to submit their Tender form fee and EMD vide Demand Draft in two separately sealed envelopes superscribed as "Tender No: ADM:STR:3151:MOF-19: CAD SolidWorks:2023-24" and "Tender

title - Supply, Installation & Commissioning of Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis" and each one appropriately identified as "Tender Form Fee", "EMD" as applicable.

- b) These two sealed envelopes along with the technical documents are to be put in one larger envelope and sealed. This envelope is to be marked as Title: TECHNICAL BID for Supply, Installation & Commissioning of Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis, Tender form fee, and EMD for Tender No **ADM:STR:3151:MOF-19: CAD SolidWorks:2023-24**.
- c) The Tender document shall be addressed to "The Director, Central Institute of Road Transport, Pune" and submitted to the Head-ASD, Administration Division, CIRT by post or courier on or before due date and time.
- d) The bids of applicants who physically submit their Commercial bid along with the physical technical bid shall be rejected.
- e) CIRT, Pune may, at its discretion, may extend the deadline for the submission of bids by amending the Tender Documents, in which case all rights and obligations of CIRT, Pune and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended. The prospective Bidders are advised to remain in touch with CIRT website for any update in respect of their tender.
- f) All pages of original bid and all copies of the bid shall be signed by a person duly authorized to sign on behalf of the Bidder. The written confirmation of authorization (in form of letter on the Bidder's letter head) to sign on behalf of the Bidder confirming the signature as a person duly authorized to sign should be attached with the technical bid of the tender.

Opening of Tender: Only Technical Bids will be opened on the stipulated opening date/time in physical presence of tenderers or their representatives whosoever may like to be present. Commercial bids of those who are technically qualified after scrutiny of technical suitability/acceptance of the technical bid will be opened at a later date. The communication in this regard will be sent to the technically qualified bidders by CIRT. The L1 bidder shall be selected on the basis of final cost of CAD Software, accessories, including all taxes excluding AMC charges.

Rejection of tender due to late submission: Late / delayed and incomplete tender will be rejected. CIRT shall not be responsible for any delays in transit or otherwise due to

postal and/or any other reason.

5. Pre Bid Meeting:

Tenderers are requested to send their queries, if any, on tender documents to CIRT by post or by email at id: stores@cirtindia.com. The time schedule for receipt of queries and date and time of pre-bidding will be as instructed at **Tender Document submission – a brief, page no. 3**. If a bidder does not participate or submit any query, then no subsequent representations from them regarding the Technical specifications and term and conditions shall be entertained. CIRT, if required, shall issue Addendum / Corrigendum to Tender documents which, if issued, will be considered as part of Tender documents. Bidders will have to take cognizance of these Addendum / Corrigendum issued and submit Addendum / Corrigendum duly signed by Authorized Signatory of Bidder and stamped with Company Seal along with original Tender document. In case Bidder fails to do so, his tender will be outrightly rejected. If required, Bidders will be requested to give a technical presentation to CIRT after the Technical Bid opening.

6. CIRT's Right to Accept Any Bid and to Reject Any or All Bids:

1. The Director, C.I.R.T. reserves the right to reject any or all the tenders or partially accept or reject any or all the tenders without assigning any reasons.
2. The Director, CIRT reserves the right to reject any or all tenders in case the tenderers have put in their own terms & conditions.
3. The Director, CIRT reserves the right to accept or reject any bid, and to cancel the bidding process and reject all bids at any time prior to placing purchase order/ contract award, without thereby incurring any liability to Bidders.
4. In case of any dispute, on any account related to the said tender & or any activity related thereto, the Director, CIRT's decision will be final and binding on the tenderers.
5. In case of cancellation of tender, EMD submitted by tenderers shall be returned to the Bidders.

Chapter 2 Conditions of the Tender

1. Pre dispatch Inspection

Pre-Dispatch Inspection of the CAD software - SolidWorks shall be carried out at CIRT's discretion if required by CIRT personnel and the expenditure towards the same shall be borne by the bidders.

2. Delivery

- (A) CAD software shall be supplied to CIRT within a period of **30 days** from the date of acceptance of P. O., further decision, if any for delivery period, will be at the discretion of Director, CIRT. The CAD software – SolidWorks as applicable shall be delivered to **CIRT on DOOR DELIVERY** basis at F.O.B. prices, without any additional cost to CIRT. All Incidental Charges shall be borne by successful bidder.

For Foreign Vendor – The rates shall be quoted for door delivery basis at CIRT, Pune with transit Insurance covering all type of risks during transit from vendor's works to final Destination i.e. CIRT premises at Pune-411026 (India) **Custom duty shall be borne by CIRT.**

The Bidder shall provide suitable packing of the CAD Software- SolidWorks, as required to prevent their damage without limitation, rough handling during transit. In case the consignment is received with damaged packaging, the CIRT, Pune would not accept the delivery.

The CAD Software shall be secured and protected from mechanical damage, moisture etc., suitable for both storage and transit according to the nature of the material and mode of transport. The Bidder shall be responsible for any loss/damage during transportation to the designated location.

- (B) **Penalty for delayed delivery:** A penalty @ **1.0 %** of the total cost of the CAD software will be charged to the OEM/successful bidder **per week or part thereof** of delayed delivery subject to maximum Thirty (30) days after expiry of scheduled delivery date (further decision if any in this regard will be **at Director**, CIRT's discretion). After that the Purchase Order shall be cancelled and EMD will be forfeited. Bank guarantee obtained for advance payment made to bidder will be encashed. Bidder will be debarred from participation in any future tenders.

3. **Installation & Commissioning** of the CAD software at CIRT site shall be carried out by the successful bidder on FREE OF COST basis, within a maximum period of 30 days from the date of arrival of the consignment at CIRT. Beyond 30 days, **penalty for delayed installation and commissioning @ 1%** of the total cost of the CAD software will be charged to the OEM/successful bidder **per week or part thereof** subject to a maximum 10% of cost of the CAD software and subject to maximum period of 45 days, failing which EMD will be forfeited. (However, the final discretion is reserved with Director, CIRT)

(A) Successful bidder shall be responsible for the safe installation/commissioning of the CAD software - SolidWorks with necessary documentation shall be provided for the CAD software - SolidWorks.

(B) The Bidder shall not arrange part shipments and/or trans-shipments without the permission of CIRT, Pune. The insurance cover including insuring the goods against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery/installation & commissioning shall be obtained by the Bidder in his own name and not in the name of CIRT, Pune.

4. **Performance Bank Guarantee** valid for 1½ years to ensure the fulfillment of warranty obligation shall be provided for 10 % Value of the total cost of CAD software (10 % CIF Cost in the case of foreign vendors) (A specimen format of Bank Guarantee will be provided along with the Purchase Order).

We shall accept a Bank Guarantee of a foreign bank having a branch in India.

The Bank Guarantee to be in Indian Rupees only.

In case of non-performance and violation of terms and conditions by the supplier the performance bank guarantee will be revoked.

5. **Warranty:** The offered CAD Software shall strictly conform to the specifications & must be guaranteed for satisfactory performance & against manufacturing and other defects at least for a minimum period of 1 year (Comprehensive) including preventive and breakdown maintenance from the date of commissioning of CAD Software at CIRT. During the warranty period the successful bidder shall carry out the maintenance of the **CAD software - SolidWorks** free of cost.

(a) Free replacement of defective CAD software during warranty period should be arranged **ON FREE OF COST on DOOR DELIVERY BASIS** and installation thereof. All expenditure for door delivery such as freight, insurance, taxes, any other duties, customs duty & clearance charges (in the cases of imported items) towards replacement shall be borne by the successful bidder.

(b) Service call charges including all incidental charges, will not be applicable

for the services provided by bidder during the warranty period.

- (c) Bidder shall have to make arrangement for the rectification of defective software. CIRT will not bear any expenditure for returning / rectification the defective software. Defective software of CAD rejected on inspection or during warranty period shall be replaced within a week as applicable.
- (d) CIRT will not be responsible for the safe custody of such software beyond 60 days for any loss/damage to the rejected software. CIRT also reserves the right to dispose such defective software.
- (e) If the software is not replaced within 45 days of communication from CIRT. CIRT reserves the right to impose penalty appropriately at Director CIRT's discretion.
- (f) During the warranty period, service personnel shall be deputed at site by the Bidder within three working days from the date of request from CIRT, Pune to rectify and fixing the defects of CAD Software at the location where CAD Software(s) are supplied. The cost of deputation of service personnel and any other associated expenditure shall be borne by the Bidder.
- (g) The Bidder to supply three (03) sets of the following manuals in hard copy and soft copy along with supplied CAD Software(s):
 - i. Installation Manual
 - ii. Operation Manual
 - iii. Maintenance and Trouble Shooting Manual

Note: All manuals shall be latest and duly signed/stamped by the bidder.

6. **Extension of Warranty:** During warranty period the service personnel shall attend the service calls and replace / repair the **CAD software - SolidWorks**. If the **CAD software - SolidWorks** is not put into operation within a week in case of minor breakdown and a month incase of major break down then warranty period will be extended by number of days equivalent to five times the delayed days beyond the specified period of 1year.

7. Customer Service Support (after Warranty period)

- a) Customer Service Support shall be provided for minimum period of 10 years including minimum warranty period of 1 year from date of installation and commissioning of **CAD software - SolidWorks**. In case bidder is Original software Developer, the undertaking from Original software Developer shall be submitted as per Annexure H and in case, bid is submitted by authorized distributor of Original software Developer then Original software Developer shall submit the undertaking as per Annexure I.
- b) **Annual Maintenance Contract:** The successful bidder shall enter into an Annual Maintenance Contract (AMC) after warranty period of one year. Bidders should give the Annual Maintenance Contract charges for 9 years after warranty period of 01 year.
Bidder shall quote the comprehensive annual maintenance cost separately, after lapse of warranty period of One (1) year for next Nine (9) years, year-wise

considering the utilization of CAD Software in 10 years as a normal use.

Annual Maintenance Contract can be terminated at any time and it will be at the discretion of CIRT, Pune.

The quoted AMC charges shall not be considered for financial evaluation for selection of L1 bidder. Selection of L1 bidder will be on the basis of final cost of Software and accessories quoted including taxes. For AMC charges, CIRT reserves the right to negotiate the AMC charges. Entering into an AMC will be at the discretion of CIRT. Decision of Director, CIRT shall be final in this regard.

c) Service Call attendance - The successful bidder's service personnel shall attend the service calls and replace/ repair the software within 48 hours as applicable.

d) Customer Service Support Bank Guarantee after Warranty Period -

Customer Service Support Bank Guarantee for 3% of the CIF Value of the CAD software shall be provided by the Bidder two months before the expiry of Performance Bank Guarantee issued towards initial warranty period of One (1) year to ensure the fulfillment of Customer Service Support for a further period of Nine (9) years.

However, if the bank guarantee is for shorter period than the period of 9 years, the same shall be renewed further for every such period, 2 months before expiry of existing bank guarantee to roll it over for up to a period of Nine years.

(A specimen format of the Bank guarantee will be provided along with the Purchase Order.)

8. Training of CIRT personnel and officials

OEM/Successful Bidder shall provide free hands on training to CIRT Personnel after successful installation and commissioning.

Training to the CIRT officials shall be given for Two (2) weeks wherein the training shall be about all functions, commands, operations, instructions, maintenance as well as trouble shooting & all other areas which are necessary for smooth functioning of **CAD software - SolidWorks**. Training shall be provided to at least two persons designated by CIRT, Pune. Training for the CIRT personnel shall be free of cost.

9. Recovery of damages

a) The Director, C.I.R.T. reserves the right to recover the amount of loss incurred to C.I.R.T., if any due to non-execution of order / non-Supply, Installation & Commissioning of CAD Software, damaged / short supply/ wrong supply/ delayed delivery in any part or full of the CAD Software, from the dues of the tenderer.

b) Recovery of Estimated damages or Shortfall:

- (i) Supplier should abide by and be responsible for the CAD Software supplied to CIRT, and if CAD Software/ part/ computer/ software of the CAD Software is not found or damaged or deficient, without prejudice or shortfall as per the technical specifications or shortfall with accessories may lead to rejection of CAD Software by CIRT.
- (ii) The supplier shall abide for any recovery against shortfall in the supplies.

10. Authorized distributor for Technical Services: If bidder has an authorized distributor / distributors for technical services, then same shall be declared while furnishing the Technical Bid. Such distributor shall be associated with Bidder for minimum three years and have expertise of installation, maintenance & repair in most effective manner. However, overall responsibility of providing technical service lies with the bidder/ supplier/ OEM. Authorization Certificate from the manufacturer for the dealership / distributorship / stockist status should be attached with the tender.

11. Pending Litigation cases if any, with CIRT in the court of law against any of the prospective bidder, will render particular bidder/Joint Ventures of the particular bidder to be disqualified for participation in Tender.

12. Arbitration, Legal formalities Arbitration:

Any dispute arising during the contract period of three years and the procedure pertaining to administration or financial or technical issues shall be referred to the Technical Advisory Committee headed by the Director, CIRT to resolve the issues. The decision of Director, CIRT will be final in this regard.

In case of dispute between both the parties, same will be referred to the Sole Arbitrator for the Arbitration Proceeding as per Arbitration and Conciliation Act,

1996 as amended by Arbitration and Conciliation (Amendment) Act, 2015. The Arbitrator will be appointed by CIRT or with consent of both parties. The venue of the arbitration proceeding will be at Pune and the cost of arbitration proceeding will be borne by each of the party as to 50%. The language of the Arbitration Proceeding will be in English. The District Court at Pune will have the administrative jurisdiction for the Civil and Arbitration Proceeding.

In case of non-settlement of disputes through arbitration, the appropriate Indian Laws will prevail.

Force Majeure Clause:

The services of both parties are subject to FORCE MAJEURE condition. While every effort will be made to carry out the obligation of the contract, the successful bidder / CIRT will not be liable for non-performance either in whole or in part of the contract for any delay in performance thereof in consequences of the Force Majeure Event such as Acts of GOD, Floods, War, Pandemic situation (if declared by Central / State Government) or any other cause beyond control. The decision of Director CIRT will be final in this regard.

Chapter 3 Schedule of Requirements

1. Pricing:

a) For Bidders in India

Price quoted shall be on the basis of “**Door Delivery**” at **CIRT Bhosari, Pune-411026** F.O.R. destination. All incidental charges such as packing, forwarding, freight and transit insurance charges shall be borne by successful bidder.

b) For foreign bidders

Price quoted shall be on the basis of “Door Delivery” at CIRT Bhosari, Pune-411026 F.O.R. destination with transit insurance coverage upto final destination (CIRT Bhosari, PUNE 411026, premises)

c) Price & Payment

- i) Price shall be quoted in INR only. If there is a discrepancy between words and figures, the amount in words shall prevail.
- ii) If the bidder is from overseas countries, then Bidders are requested to quote in **Indian Rupees only**.

Note : Price should be quoted only in “Commercial Bid”

2. Schedule of Payment:

- a) 10% advance along with Purchase Order on submission of Bank Guarantee for equivalent amount, of validity of 12 months.
- b) 20 % against delivery and post preliminary inspection at CIRT, Pune.
- c) 70 % after successful installation, commissioning, training and satisfactory inspection report of the CAD Software and after receipt of the Performance Bank Guarantee valid for 1½ years to ensure the fulfilment of warranty obligation. (for 10 % Value of the total cost of CAD Software (10% CIF Cost in the case of foreign vendors).

3. Taxes & Duties:

- a. The rates of G.S.T. or any other taxes, if chargeable, shall be indicated separately or else it will be presumed that the quoted price is inclusive of taxes.
- b. Customs Duty: CIRT will avail Custom Duty Exemption, as applicable, under Government Notification No. 51/96-Customs dated 23.07.1996, No. 24/2007-Customs dated 01.03.2007; No.43/2017-Customs dated 30.6.2017 being Scientific and Industrial Research Organisations (SIRO) recognized R&D Institution. However, the tenderer should quote the application rate of Custom Duty, if any, in the appropriate column for information.

Chapter 4 Specification & Allied technical details

Specification:

Technical Specification: Supply, Installation & Commissioning of Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis

- 1) **The CAD Software (SolidWorks)** shall be in compliance to the Technical Specification as attached **Annexure - F**.
- 2) Complete specification of the Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) offered shall clearly be specified. Basic CAD Software shall be the CAD Software capable to perform required basic functions asked for. Brand name, Trade name, Model No., part No. Item description etc. shall be described clearly in the bid. Printed technical literature / catalogue stating all the technical parameters must be enclosed along with the bid, failing which the tender will be rejected. Rates shall be quoted separately for the basic CAD Software, add on/optional CAD Software's, Offers having confused technical specifications, terms and conditions and prices will be liable to be rejected.
- 3) Pre-requisite Infrastructure Requirements for Installation & Commissioning of the CAD Software - Bidder shall submit the details of Pre-requisite /Civil/Electrical/Any other Infrastructure requirements for installation & commissioning of **CAD software – SolidWorks** as per the enclosed **Annexure – E**.

Chapter 5 Price Schedule for bidders to quote prices

CENTRAL INSTITUTE OF ROAD TRANSPORT

Post Box No.1897, Bhosari, PUNE – 411 026 (INDIA)

Tel.: (020) 67345300 (30 Channels)

Fax : (020) 67345403

Website : www.cirtindia.com

TENDER DOCUMENTS

Part B – Commercial Bid



TENDER NO : ADM:STR:3151:MOF-19: CAD SolidWorks:2023-24

ITEM	Supply, Installation & Commissioning of Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis
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EMD	As per Tender Document.
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1. Commercial bid is to be submitted online only.
2. Hardcopy not to be submitted.
3. Please enter the values in yellow cell only.

Price Schedule – 1

		<h1>Central Institute of Road Transport</h1>						
NIT No. : ADM:STR:3151:MOF-19: CAD SolidWorks:2023-24								
Supply, Installation & Commissioning of Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis								
<h3>SCHEDULE OF ITEMS</h3>								
Name of the Bidder								
Price Schedule - 1								
Sr. No.	Particulars	Qty.	Rate per Unit in INR	Total Amount in INR Excl. of Taxes	Add Tax %	Tax Amount	Total Amount with Tax	
1.0	Supply, Installation & Commissioning of Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis	2		0		0	0	
2.0	Custom Duties, if applicable							
3.0	Other charges if any							
4.0	Total of Price Schedule -1 including above Taxes						0	
5.0	Total in Words							

Instructions:	
1	Please enter the values in yellow cell only.
2	Please fill the Price Schedule 1 and Price Schedule 2. Filling up of Price Schedule is mandatory else Commercial Bid will be disqualified.
3	Commercial bid is to be submitted online only.
4	Hardcopy not to be submitted.
5	The total price should be F.O.R. destination.

Price Schedules – 2



Central Institute of Road Transport

NIT No. : ADM:STR:3151:MOF-19: CAD SolidWorks:2023-24

Supply, Installation & Commissioning of Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis

SCHEDULE OF ITEMS

Name of the Bidder

Price Schedule - 2

Sr. No.	Particulars	Amount in INR Excl. of Taxes	Add Tax %	Tax Amount	Total Amount with Tax
Annual Maintenance Contract (AMC)					
1	Comprehensive Annual Maintenance charges year-wise after completion of warrantee period of 1 year as per the terms & condition of tender				
1.1	AMC (Comprehensive) in 2 nd year			0	0
1.2	AMC (Comprehensive) in 3 rd year			0	0
1.3	AMC (Comprehensive) in 4 th year			0	0
1.4	AMC (Comprehensive) in 5 th year			0	0
1.5	AMC (Comprehensive) in 6 th year			0	0
1.6	AMC (Comprehensive) in 7 th year			0	0
1.7	AMC (Comprehensive) in 8 th year			0	0
1.8	AMC (Comprehensive) in 9 th year			0	0
1.9	AMC (Comprehensive) in 10 th year			0	0
1.10	Other Charges				

Instructions:

1	Please fill the Price Schedule 1 and Price Schedule 2. Filling up of Price Schedule is mandatory else Commercial Bid will be disqualified.
2	Commercial bid is to be submitted online only.
3	Hardcopy not to be submitted.
4	Please enter the values in yellow cell only.

Note:

- 1) AMC Price:
 - a) Price shall be quoted in Indian Rupees only.
 - b) If the bidder is from overseas countries, then Bidders are requested to quote in Indian Rupees.
- 2) At the time of submission of Financial Bid, every bidder has to quote AMC rates in given format for 9 years which will be effected after 1 year of warranty period, if CIRT enters into AMC Agreement with the bidder.

Annexure A

Prebid Queries format

Name of Organization:___

Date:___

Tender Title : Supply, Installation & Commissioning of Computer Aided Design (CAD) software - SolidWorks (Qty. 02 No's of Licenses) for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis

Tender No.: ADM:STR:3151:MOF-19: CAD SolidWorks:2023-24

SI. No.	Page no.	Clause no.	Clause	Suggestion / Query

- Email to be sent to stores@cirtindia.com in pdf format.

Annexure-B

FINANCIAL DETAILS OF THE Original Software Developer (OE) /Authorized Distributors

(On the letterhead of Statutory Auditor of the Original Software Developer (OE))/ **Authorized Distributors**

1. AVERAGE ANNUAL TURNOVER

Annual Turnover in INR			Average Annual Turnover (FY 2017-18, FY 2018-19 and FY 2019-20) in INR
Year 1 (FY 2017-18)	Year 2 (FY 2018-19)	Year 3 (FY 2019-20)	

Date:

Name of the Bidder:

Name of the audit firm:

Seal of the audit firm

(signature, name and designation of the authorized signatory)

Registration Number: Address of the audit firm: UDIN No.:

Seal of the Bidder

(signature, name and designation of the authorized signatory)

Note: If the bidder is distributor of OEM, Annexure 'B' should be submitted for the details of both OEM and Authorised distributor.

Annexure C

BIDDER INFORMATION SHEET

1	Name & Full Address of the firm (If there is a separate address for manufacturing unit/sales office/ godown, please mention specifically)	
2	Telephone/Telex/Fax/E-Mail/mobile number	
3	Name of contact person[s]/Representative Telephone/ Fax/ e-mail/mobile number	
4	Whether your firm is registered under Shop Act/ SSI Unit/ Other categories[specify and attach relevant documents]	
5	Product/Supply Range [Please specify brand/make dealt by your firm] Technical literature/brochures/leaflets are to be attached for technical product. Pl. attach separate sheet, if space provided is insufficient.	
7	Reputed clients' list of your firm: [preferably in and around Pune & Maharashtra, if you are a local vendor]	[Pl. enclose separate sheet]
8A	Number of CAD Software Licenses Sold in last 3 years by original software developer	
8B	Number of CAD Software Licenses Sold in last 3 years by Authorized Distributor of original software developer, if applicable	
9	Purchase order ; Year of supply ; delivery challan; Invoice (Please provide copies of the documents for the sold CAD Software)	
10	Bank details	
	Name of the Beneficiary & Address	
	Name of Bank & Address	
	Account No.	
	Branch Code	
	IFSC Code	
	MICR Code	
	SWIFT Code / Routing No.	
11	GST IN No.	
12	HSN Code	
Seal Date:		(Signature of Authorised Person) Name Designation

Annexure D

ANTI-BLACKLISTING CERTIFICATE

(To be Submitted on the letterhead of the Original software Developer
and/ or Authorized distributor as the case may be)

I / We hereby certify and confirm that M/s.....(Name of the Bidder) that the company/ any of the promoter/s / director/s are not blacklisted or barred by Government of India (GOI) / any other entity of GOI or any state government/ department / local government / agency in India or from abroad from participating in Project/s, either individually or as member of a Consortium as on the (Bid Due Date).

We further confirm that we are aware that our tender will be liable for rejection and EMD will be forfeited, in case any material misrepresentation is made or discovered with regard to the requirements of this tender at any stage of the Bidding Process or thereafter during the agreement period.

Yours faithfully,

(Signature, name and designation of the authorized
signatory) For and on behalf of

Annexure-E

Pre-requisite Infrastructure Requirements for Installation & Commissioning of the CAD software - SolidWorks.

S.N.	Description	Requirement
1.0	Civil Infrastructure -	
1.1	CAD software – SolidWorks store area requirement	
1.2	Fire Protection facilities (devices) if any	
1.3	Any other specific requirement for Civil Foundation work	
2.0	Electrical Infrastructure -	
2.1	Provision of Internet for CAD software - SolidWorks	
2.2	Specific air conditioning	
3.0	Safety requirements	
4.0	Miscellaneous Provision of power, air, light, water, etc, as required during installation.	
5.0	Any other specific requirements	

ANNEXURE 'F'

Technical specifications for Supply, installation & commissioning of **Computer Aided Design (CAD) Software - SolidWorks** for Establishment of Virtual Simulation Lab for Evaluation of Bus Body Strength (Roll over), Stability, RUPD, SUPD, FUPD, Roof and Rear Wall Strength & other types of CAE analysis.

1. Scope: Demonstration, Delivery, Installation, Commissioning, License Management, Training, Configuration, Customization, Warranty with On-Site Technical Support & free updates, Inspection, Testing & Supply of Computer Aided Design (CAD) Software - SolidWorks

2. The applicable standards for which the use of CAD software is intended but not limited to shall be as below:

- Evaluation of Strength of Bus Superstructure as per AIS 031 / AIS 052 (Clause 6.1) / ECE R66 / ECE R107
- Determination of Bus Stability Angle as per AIS 052 (Clause 6.2) / ECE R107
- Evaluation of Lateral Protection Device (LPD) as per IS 14682
- Evaluation of Strength of Sleeper Coach Superstructure and Berth as per AIS 119
- Evaluation of Natural Frequency of Bus Superstructure as per AIS 153
- Evaluation of Strength of Cab Roof & Rear Wall as per AIS 029 (Part B & C) / ECE R29
- Evaluation of Front Underrun Protection Device (FUPD) as per AIS 069
- Evaluation of Rear Underrun Protection Device (RUPD) as per IS 14812
- Evaluation of Lateral Protection Device (LPD) as per IS 14682
- Evaluation of Truck Load Body Strength as per AIS 093
- Evaluation of Trailers as per AIS 113
- FOPS Evaluation as per IS/ISO 3449
- ROPS Evaluation as per IS/ISO 3471
- Evaluation of Bus Superstructure Design as per MoUD UBS-II Requirements
- Any other National/ International Standard which comes into force.

3. Qty. of Supply- 02 No's of perpetual Floating Licences.

4. Technical Specification of Computer Aided Design (CAD) Software – SolidWorks – Shall have following features.

Sr. No.	Feature	Description/ Minimum Requirements
4.1	Ease of Use	<ul style="list-style-type: none">• The software shall have a simple, user-friendly GUI, including menu driven tool bars, which shall be easy to learn and use.• The software shall be provided with Contextual toolbar menus, command search, built in tutorials, searchable online and/or offline help documentation.• The software shall be provided with Hot Keys, Customizable Commands, API's to facilitate working with objects in a faster way.• The software shall be provided with Sketch & UI support features for Touch compatible devices.• The software supplier shall be capable to provide online and / or offline Local and Worldwide Support services
4.2	Part and Assembly Modelling & virtual generic4Assembly simulation	<p>The Software shall provide at least the following features of Part and Assembly Modelling:</p> <ul style="list-style-type: none">• 3D Solid Modeling & Drafting.• Conceptual Design (Bottom up or Top to Bottom).

		<ul style="list-style-type: none"> • Assembly structure planning & Drafting. • Direct Model Geometry modification. • Large Assembly design & Manipulation. • Advanced Surface Design Algorithms. • Sheet Metal Design & Drafting. • Virtual Realization of Weldments. • Plastic Part Design & Drafting. • Parametric Geometry mapping during modelling. • Basic, advanced & secondary mates in assembly mode. • Assembly & Model Tree visualization with mates, constraints, child & master parts or components etc.
4.3	2D Drawings	<p>The Software shall provide at least the following features of 2D Drawings:</p> <ul style="list-style-type: none"> • Automatic drawing view creation & updates adjunct to model or assembly alterations • Drafting Standards: ANSI, ISO, DIN, JIS, BSI, GOST, GB • Manual & automated dimensioning & tolerancing. • Annotations & Symbols. • Automatic Bill of Materials (BOM) Exploded views, Balloon notes. • Hole tables, weld tables, pipe bend tables, cut lists. • Sheet metal bend notes. • Automated creation of radical/ cylindrical exploded views
4.4	Design Reuse and Automation	<p>The Software shall provide at least the following features of Design Reuse and Automation:</p> <ul style="list-style-type: none"> • Find, identify & index your data. • Design Automation for repetitive design applications. • Part & assembly configurations. • Reuse 2D & 3D CAD data using import or export functions. • Import of 3D CAD models of off the shelf components shall be possible.
4.5	Animation & Visualization	<p>The Software shall provide at least the following features of Animation & Visualization:</p> <ul style="list-style-type: none"> • Move & manipulate assembly by dragging CAD components pertaining to applied mates & constraints. • Automated movements of assembly with motors. • Preparing Animations & Extraction of CAD Videos • Rendering of CAD environment with high quality material render library. • 3D Walk Through/ Fly through of the CAD model.
4.6	Interference Check	<p>The Software shall provide at least the following features of Interference Check:</p> <ul style="list-style-type: none"> • Collision & Interference Detection during simulation. • Hole Alignment & Thread Checks, mates & constraints checks.
4.7	Collaborate and Share CAD Data	<p>The Software shall provide at least the following features of Collaborate and Share CAD Data with other softwares:</p> <ul style="list-style-type: none"> • 3D Interconnect for Associative Import of 3D models • Import/ Export over all available CAD formats like iges, step, stl etc. • Import/ export shall be compatible with CAE/FEA softwares like Altair Hyperworks, LS-Dyna. • Print Directly to 3D Printers: AMF & 3MF formats • MCAD to AEC: Prepare and export to AEC Applications • 3D Models for CAD/CAM Integration with CAM partners • View e Drawing files

		<p>43D Dimensioning and tolerancing models (Model based definition)</p> <ul style="list-style-type: none"> • 2D DXF/DWG data • Maintain and update Existing 2D Drawings edit & viewing DWG files • 2D To 3D CAD conversion tools • Convert 3D solid parts to Sheet metals. • Intellectual property protection (defeature) • Design review markup and Viewing (Large Design Review)
4.8	CAD File Imports	<p>The software shall be provided with following advanced file import features like:</p> <ul style="list-style-type: none"> • Interactive Feature Recognition and Conversion • Automatic Feature Recognition and Conversion
4.9	Basic Analysis Tools	<p>The software shall be provided with Basic Analysis Tools like Part environmental Impact Analysis, Part Structural Analysis, Basic Flow Analysis etc.</p>
4.10	Productivity Tools	<p>The software shall be provided with Productivity Tools like Power Selection Tools, Symmetry Check, Copy feature info into other features (Feature Paint), Find and Replace in Drawings etc.</p>
4.11	CAM standard	<p>The software shall provide basic CAM software interface support.</p>
4.12	Design for Manufacturing	<p>The Software shall provide at least the following features for Design for Manufacturing:</p> <ul style="list-style-type: none"> • Thickness Analysis • Geometry checks for CAM • Compare parts and drawing for changes • Rules based manufacturability checks • Draft and Undercut analysis • Sheet metal checks and flat pattern
4.13	CAD Libraries	<p>The software shall provide following:</p> <ul style="list-style-type: none"> • All available Standard Fasteners and components (Toolbox) • Beam, Bearings and CAM design & import Wizard • Automatic Assembly fasteners and components
4.14	The software shall be provided with Automatic Task Scheduling and Batch Processing feature.	
4.15	Design for Cost and Cost Estimation	<p>The software shall provide the following features of Design for Cost and Cost Estimation:</p> <ul style="list-style-type: none"> • Compare manufacturing costs • Automated manufacturing cost estimation • Customizable manufacturing settings • Output cost report
4.16	Advanced Photorealistic Rendering	<p>The Software shall provide at least the following features for Advanced Photorealistic Rendering:</p> <ul style="list-style-type: none"> • Photo quality images and Animations • Control Camera view, lighting, materials, textures
4.17	CAD Standard Checking	<p>The Software shall provide at least the following features for CAD Standard checking:</p> <ul style="list-style-type: none"> • Verify designs against company standard/s • Automatically correct non-conforming issues • Customize Design check rules
4.18	File management	<p>The Software shall provide at least the following features for file management:</p> <ul style="list-style-type: none"> • User and Group Access Rights • File Vaulting • Secure Check-in and Check-out • Automated revision control

4.19	Reverse Engineering (Scan to 3D)	<p>The Software shall provide at least the following features for Reverse Engineering (Scan to 3D):</p> <ul style="list-style-type: none"> • Import, edit, evaluate, and create solid geometry from point cloud and mesh data • Import adobe & Illustrator files • Import image files and convert Raster to vector data
4.20	Motion Analysis	<p>The Software shall provide at least the following features for motion analysis:</p> <ul style="list-style-type: none"> • Kinematic and Dynamic Analysis • Inputs: Forces, Springs, Dampers, Gravity, Contact, Bushings • Output displacement, velocities, accelerations, body loads, Joint Forces • View/publish animations, Graphs, reports
4.21	Structural Part and Assembly Analysis	<p>The Software shall provide at least the following features for Structural Part and Assembly Analysis:</p> <ul style="list-style-type: none"> • Inputs: Variable Forces/ Pressures, Full resistance sets, connectors, gravity, contact materials • Outputs: Factor of Safety, Stress displacement, Strain • View/publish animations, Graphs, reports
4.22	The software shall also provide the features like Routing of Rectangular and other sections, Advanced surface flattening, Assembly level Cost up etc.	

5.0	Computational Resources License, Demonstration, User/Technical Manuals & Tutorials Requirements	
5.1	PC Platform; Operating System and Network Compatibility for CAD software	<p>The software shall be compatible to run on the following hardware configuration. The supplier shall confirm the compatibility of the software to the suggested hardware configuration. Additional hardware and software requirements like graphics accelerator cards; third party software; if any; shall be clearly brought out at the time of quotation. Since the supply of the computational hardware is not part of the scope of supply. GPU acceleration requirements related to graphics cards if any, shall be clearly stated. Hardware that available is as follows.</p> <ol style="list-style-type: none"> 1. Operating System: Windows 10/11, 64 bits 2. Latest Intel core i9-12900K, 3.7GHz or higher, (5.3 GHz Turbo Boost), 8Cores 3. Graphics Card: GeForce / Radeon GPU compatible with OpenGL 3.2 with 4 GB RAM with support for dual display. 4. Hard disk: 2 TB or Higher 5. SSD: 1TB or higher 6. Ram: 64 GB RAM or higher 7. Monitor: 32" Dual-Monitor. <p><i>The bidder shall confirm the compatibility of the software with above mentioned hardware along with technical bid. In this regard, the bidder shall submit undertaking as per ANNEXURE 'L' of the bid documents.</i></p>
5.2	Software License	<ul style="list-style-type: none"> • A set of two standalone licenses for use and operation of this software is required for each of the independent modules of the software set, mentioned in this technical specification. The supplier shall arrange for user licenses from the parent company, authorizing the purchaser the legal right to use the software and claim credit for all the results for all times to come (perpetual). It is essential to have a perpetual license (no time limit), beginning from the time of acceptance of supply; without any requirement of periodic renewal of the license from any source; free or otherwise. This

		<p>requirement is an important requisite and is meant to safeguard the long-term interest of the purchaser.</p> <ul style="list-style-type: none"> • The software shall have ability to provide floating license on the client network as specified by the client. Wherein Installation, configuration, and resolution of any issue shall be responsibility of the supplier. • The supplier shall provide the necessary certificate for the Licenses backed-up by authentication, warranty, and support from the manufacturers/principals of these set of software respectively. • The supplier shall note that the PCs on which software shall be installed, or the license servers shall be selectively connected to the internet.
5.3	CAD Software Demonstration	<ul style="list-style-type: none"> • At the time of technical evaluation, the suppliers shall be in a position to make available the same make and model of the offered products on compatible computer hardware to the purchaser's representative at the purchasers site i.e. CIRT, Pune. Shall arrange to have the features of the software demonstrated through their qualified representatives at no additional cost. It may please be noted that, at this stage, there shall not be any commitment from the purchaser's side to eventually procure the demonstrated products. The supplier shall arrange the necessary software and licenses to achieve this. Offers of suppliers not meeting the demonstration requirement shall not be accepted. • The supplier shall have to demonstrate the user-friendliness; in-built intelligence and productivity enhancement features of the software proposed to be supplied and shall also have to demonstrate the capability of the software help modules, including the user; administrator; tutorial and training manuals and documentation. This aspect shall also form important criteria in the product technical evaluation process • The supplier shall also be required to prepare simple sample projects; at no additional cost; for demonstration of the full range of the desired/proposed capabilities of the software. The purchaser shall provide a sample problem during this product evaluation phase. This demo-projects shall provide a means to understand and evaluate the capabilities of the offered software in meeting the purchasers' specified requirements in a hands-on manner. All necessary software shall be arranged by the supplier at no additional cost and no commitment by the purchaser at this stage.
5.4	User and Technical Manuals	<ul style="list-style-type: none"> • The software shall be supplied along with one set of all the user & technical help manuals of all the modules of the software as a soft copy (preferably in pdf format). These help manuals shall cover both the usage and theory specs of software. It shall be possible to freely distribute these s/c manuals to as many numbers of users. It shall be possible to open the s/c manuals in any third-party pdf reader like adobe-reader without engaging the license of the software. • In addition to the help manuals the software shall have a fully featured help support system seamlessly placed within the software, so that, these are accessible at all point of time. software shall have a feature of context sensitive help, which helps explain the definition, significance, and connotation etc. of a subject at hand along with illustrative examples, tutorials and case studies. All these help files shall be supplied for the exact make and version of the software supplied. • User and Technical manuals shall be supplied along with the software, it shall not be internet based.
5.5	Tutorials	<ul style="list-style-type: none"> • The software shall be supplied along with a comprehensive set of tutorials & Solved Examples covering all the important aspect and modules of the supplied software. These tutorials shall cover a sample problem along with

		<p>various hints and explanations in pdf and avi format with audio commentaries. The tutorials shall be supplied along with sample data problem, so that, the problem can be quickly recreated in the parent software. These Tutorials shall be supplied along with software in a set of DVDs/Pen/Portable drives.</p> <ul style="list-style-type: none"> • In addition to the tutorial DVDs, the licensed user of this software shall be provided access to the manufacturer internet website, where additional sample problems and tutorials are available for consultation and downloading, free of cost.
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6.0	Delivery, Installation, Commissioning, License Management, Training, Configuration, Customization, Warranty with On-Site Technical Support, Inspection, Testing, Supply and Annual Maintenance Support Requirements	
6.1	Delivery:	<p>the software along with the other items covered in the scope of supply shall have to be delivered by the supplier to CIRT. The software must be necessarily supplied in the form of a suitable storage media like DVDs, Pen Drives OR Download package etc. as applicable.</p>
6.2	Installation & Commissioning:	<p>On the receipt of the purchase order, the supplier shall arrange to have the entire software/license server software installed and commissioned on the computer systems made available by the purchaser i.e. CIRT, Pune, at that time based on mutual agreement.</p>
6.3	License Implementation & its Management	<p>As a part of the installation and commissioning procedure, the supplier shall arrange the implementation of the license keys for perpetual use (without any time limit and no interlock from any agency) as per the details for the full software covered under the scope of supply and provide the necessary documentation, certificates, agreement from the supplier, backed up by an authentication and endorsement of continuity of licensing and support by the respective principals, as per the terms of supply of the purchase order. The license is to be issued in the name of “CIRT, Pune, India”, unilaterally, on the strength and terms of the purchase order, for perpetual use (no time limit whatsoever) without any condition of periodic renewal of license, free or otherwise.</p>
6.4	Training of the full CAD software configuration	<ul style="list-style-type: none"> • The supplier shall provide systematic and comprehensive hands-on training on every feature/module of the software to at least 2 of the purchaser’s representatives. This training shall be arranged at purchaser premises at CIRT, Pune. The supplier shall arrange all necessary training material required for the training. The training shall cover classroom lectures as well as ‘hands-on training covering all the commands, menus, modules as well as functions of each command of SolidWorks. The supplier shall indicate the essential training program as per the need of their software set. • A write-up on the proposed training methodology; training course content; duration for each module; etc. shall be submitted along with the quotation. The supplier shall provide training manuals/course material covering all its features to each user. • The venue of training shall preferably be CIRT, Pune. The purchaser shall provide conference-room facility with projection system and one workstation. The supplier shall note that there is no option of training through video conferencing or via internet at the purchaser site. If training is to be conducted for some modules by the supplier through video conferencing or through Web-Meeting, Desktop sharing etc. through the internet, such type of training shall be planned at the purchaser’s site in CIRT, Pune where all necessary infrastructures and resources shall be made available based on mutual agreement.

		<ul style="list-style-type: none"> • The duration of this training shall as per Cl. No. 8 of Chapter 2 of this tender document to demonstrate and practice all the basic and advanced usage of all the software features; and shall provide Handholding support as and when required for the ongoing live projects, covered in the scope of supply. • The quality of the training shall be such that the training shall enable the trained personnel to work independently on all the aspects in terms of modules and features of the software after the completion of the training.
6.5	On-Site Comprehensive Warranty with Free Up-Dates and On-Site Technical Support	<ul style="list-style-type: none"> • The supplier shall provide a comprehensive on-site (i.e. at CIRT, Pune) Warranty, free of cost, for all the items covered in the scope of supply as mentioned in Cl. No. 5 of chapter 2 of this tender document and commissioning (as per this tender document) of this software. • The comprehensive on-site warranty shall include but not limited to the following <ol style="list-style-type: none"> 1. The replacement of the software in case the master backup media is corrupt and is required for fresh installation of the software. 2. Software mal-functioning, or the software has been rendered unusable during the normal usage and storage of these products as specified by the supplier. • A replacement by a de-bugged version of the software shall be provided in case a software bug has been found in the supplied software which adversely affects the reliability of the software or degrades its performance. • During the warranty period, the supplier shall undertake to provide free of cost software updates and upgrades on a CD/DVD/Any suitable online or offline media that shall be released by the parent company. At such instances, they are also expected to reload; install and commission the new software version on the Purchasers PC and train the purchaser's personnel in the modified features. • As a part of this free of cost technical support during warranty period; the supplier shall undertake to provide the necessary on-site technical support and help required by the purchaser's representatives in the installation; usage, technical aspects and management of the software. As a part of this mechanism all Technical and User level support issues shall have to be resolved by the servicing agency within 7 working days. If the issue is not resolved within this time, they must intimate the concerned agencies and seek their guidance to this effect. Till the time they solve it or address it conclusively, it shall continue to remain a pending issue to be coordinated by the servicing agency and the user kept fully abreast of the developments. • The supplier shall provide the necessary certificate for the warranty and on-site technical support backed-up by the manufacturers/principals of this software set.
6.6	Inspection and Testing	<p>After the software has been installed and commissioned on the purchasers Computers/ Server at CIRT and the steps listed in Part-4.1 to 4.5 above have been completed, the supplier shall arrange to have the software covered in the scope of supply inspected by the representative of the purchaser at the purchaser's site i.e. CIRT, Pune at no additional cost. During the part of this inspection and testing stage, the supplier shall allow one week's time for the purchaser's representatives and assist them to test the software and benchmark it against its rated specifications. After successful results have been obtained from this stage, the supplier shall be issued an inspection report.</p>

6.7	Supply	The items covered in the Scope of Supply; shall be deemed to be completed successfully after completion of all the work in this Tender document as detailed in Part-3 & 4 (4.1 to 4.6) and the respective documents have been provided
6.8	Annual Maintenance Support (AMC)	<ul style="list-style-type: none"> • CIRT will enter Comprehensive on-site Annual Maintenance Contract (AMC) with bidder of the full range of software covered in the scope of supply as mentioned in chapter 2 of this tender document essentially starting from date of lapse of warranty period. The rights shall be reserved with Director CIRT to enter into AMC after completion of Warranty period. • The AMC is for an on-site, User, Technical and Product Support and shall cover software version up-grades, up-dates, renewals and on-site product maintenance. It shall in no way affect the perpetual use of the software at any time, with or without AMC. The supplier shall note that the License supplied shall be for perpetual use from the very outset and is independent of whether the purchaser opts for the AMC, or its renewal subsequently. • As a part of this AMC, the supplier shall undertake to provide the necessary on-site technical and user support, backed up by assurance to this affect from the parent company, as applicable and help required by the purchaser's representative in the installation, implementation, usage and management of the software. During this period, the supplier shall also undertake to provide free of cost software up-dates and up-grades on a CD/DVD/Pen drives/portable drives etc. that shall be released by the parent company and provide on-site support and maintenance for the supplied software. As a part of this mechanism all Technical and User level support issues shall have to be resolved by the servicing agency within 7 working days. If the issue is not resolved within this time, they must intimate the concerned OEM and seek their guidance to this effect to resolve the issue. Till the time they solve it or address it conclusively either way, it shall continue to remain a pending issue to be coordinated by the servicing agency and the user kept fully abreast of the developments.

Annexure 'G'

Technical Compliance Sheet

The technical compliance Sheet must be completed and submitted with your offer. Please ensure that all these points are covered in your offer. These will ensure that your offer is properly evaluated. Please mark "Yes" Or "NO" and specify page no. of your bid document where details or compliance has been confirmed. All technical parameters should be reflected in original OEM Brochure.

Sr. No.	Particulars	Complied / Not Complied (Yes / No)	If deviation, please give proper justification that deviation suggested is equivalent or better	Page no. in Bid/ Reference of document in bid
4.1	Ease of Use <ul style="list-style-type: none"> The software shall have a simple, user-friendly GUI, including menu driven tool bars, which shall be easy to learn and use. The software shall be provided with Contextual toolbar menus, command search, built in tutorials, searchable online and/or offline help documentation. The software shall be provided with Hot Keys, Customizable Commands, API's to facilitate working with objects in a faster way. The software shall be provided with Sketch & UI support features for Touch compatible devices. The software supplier shall be capable to provide online and / or offline Local and Worldwide Support services 			
4.2	Part and Assembly Modelling & virtual generic Assembly simulation The Software shall provide at least the following features of Part and Assembly Modelling: <ul style="list-style-type: none"> 3D Solid Modeling & Drafting. Conceptual Design (Bottom up or Top to Bottom). Assembly structure planning & Drafting. Direct Model Geometry modification. Large Assembly design & Manipulation. Advanced Surface Design Algorithms. Sheet Metal Design & Drafting. Virtual Realization of Weldments. Plastic Part Design & Drafting. Parametric Geometry mapping during modelling. 			

	<ul style="list-style-type: none"> • Basic, advanced & secondary mates in assembly mode. • Assembly & Model Tree visualization with mates, constraints, child & master parts or components etc. 			
4.3	2D Drawings The Software shall provide at least the following features of 2D Drawings: <ul style="list-style-type: none"> • Automatic drawing view creation & updates adjunct to model or assembly alterations • Drafting Standards: ANSI, ISO, DIN, JIS, BSI, GOST, GB • Manual & automated dimensioning & tolerancing. • Annotations & Symbols. • Automatic Bill of Materials (BOM) Exploded views, Balloon notes. • Hole tables, weld tables, pipe bend tables, cut lists. • Sheet metal bend notes. • Automated creation of radical/ cylindrical exploded views 			
4.4	Design Reuse and Automation The Software shall provide at least the following features of Design Reuse and Automation: <ul style="list-style-type: none"> • Find, identify & index your data. • Design Automation for repetitive design applications. • Part & assembly configurations. • Reuse 2D & 3D CAD data using import or export functions. • Import of 3D CAD models of off the shelf components shall be possible. 			
4.5	Animation & Visualization The Software shall provide at least the following features of Animation & Visualization: <ul style="list-style-type: none"> • Move & manipulate assembly by dragging CAD components pertaining to applied mates & constraints. • Automated movements of assembly with motors. • Preparing Animations & Extraction of CAD Videos • Rendering of CAD environment with high quality material render library. • 3D Walk Through/ Fly through of the CAD model. 			
4.6	Interference Check The Software shall provide at least the following features of Interference Check: <ul style="list-style-type: none"> • Collision & Interference Detection during simulation. • Hole Alignment & Thread Checks, mates & constraints checks. 			
4.7	Collaborate and Share CAD Data The Software shall provide at least the following features of Collaborate and Share CAD Data with other softwares: <ul style="list-style-type: none"> • 3D Interconnect for Associative Import of 3D models • Import/ Export over all available CAD formats like iges, step, stl etc. • Import/ export shall be compatible with CAE/FEA softwares like Altair Hyperworks, LS-Dyna etc. • Print Directly to 3D Printers: AMF & 3MF formats • MCAD to AEC: Prepare and export to AEC Applications • 3D Models for CAD/CAM Integration with CAM partners • View e Drawing files • 3D Dimensioning and tolerancing models (Model based definition) • 2D DXF/DWG data • Maintain and update Existing 2D Drawings edit & viewing DWG files • 2D To 3D CAD conversion tools • Convert 3D solid parts to Sheet metals. 			

	<ul style="list-style-type: none"> • Intellectual property protection (defeature) • Design review markup and Viewing (Large Design Review) 			
4.8	CAD File Imports The software shall be provided with following advanced file import features like: <ul style="list-style-type: none"> • Interactive Feature Recognition and Conversion • Automatic Feature Recognition and Conversion 			
4.9	Basic Analysis Tools The software shall be provided with Basic Analysis Tools like Part environmental Impact Analysis, Part Structural Analysis, Basic Flow Analysis etc.			
4.10	Productivity Tools The software shall be provided with Productivity Tools like Power Selection Tools, Symmetry Check, Copy feature info into other features (Feature Paint), Find and Replace in Drawings etc.			
4.11	CAM standard The software shall provide basic CAM software interface support.			
4.12	Design for Manufacturing The Software shall provide at least the following features for Design for Manufacturing: <ul style="list-style-type: none"> • Thickness Analysis • Geometry checks for CAM • Compare parts and drawing for changes • Rules based manufacturability checks • Draft and Undercut analysis • Sheet metal checks and flat pattern 			
4.13	CAD Libraries The software shall provide following: <ul style="list-style-type: none"> • All available Standard Fasteners and components (Toolbox) • Beam, Bearings and CAM design & import Wizard • Automatic Assembly fasteners and components 			
4.14	The software shall be provided with Automatic Task Scheduling and Batch Processing feature.			
4.15	Design for Cost and Cost Estimation The software shall provide the following features of Design for Cost and Cost Estimation: <ul style="list-style-type: none"> • Compare manufacturing costs • Automated manufacturing cost estimation • Customizable manufacturing settings • Output cost report 			
4.16	Advanced Photorealistic Rendering The Software shall provide at least the following features for Advanced Photorealistic Rendering: <ul style="list-style-type: none"> • Photo quality images and Animations • Control Camera view, lighting, materials, textures 			
4.17	CAD Standard Checking The Software shall provide at least the following features for CAD Standard checking: <ul style="list-style-type: none"> • Verify designs against company standard/s • Automatically correct non-conforming issues • Customize Design check rules 			
4.18	File management The Software shall provide at least the following features for file management: <ul style="list-style-type: none"> • User and Group Access Rights • File Vaulting • Secure Check-in and Check-out • Automated revision control 			

4.19	Reverse Engineering (Scan to 3D) The Software shall provide at least the following features for Reverse Engineering (Scan to 3D): <ul style="list-style-type: none"> • Import, edit, evaluate, and create solid geometry from point cloud and mesh data • Import adobe & Illustrator files • Import image files and convert Raster to vector data 			
4.20	Motion Analysis The Software shall provide at least the following features for motion analysis: <ul style="list-style-type: none"> • Kinematic and Dynamic Analysis • Inputs: Forces, Springs, Dampers, Gravity, Contact, Bushings • Output displacement, velocities, accelerations, body loads, Joint Forces • View/publish animations, Graphs, reports 			
4.21	Structural Part and Assembly Analysis The Software shall provide at least the following features for Structural Part and Assembly Analysis: <ul style="list-style-type: none"> • Inputs: Variable Forces/ Pressures, Full resistance sets, connectors, gravity, contact materials • Outputs: Factor of Safety, Stress displacement, Strain • View/publish animations, Graphs, reports 			
4.22	The software shall also provide the features like Routing of Rectangular and other sections, Advanced surface flattening, Assembly level Cost up etc.			
5.1	PC Platform; Operating System and Network Compatibility for CAD software The software shall be compatible to run on the following hardware configuration. The supplier shall confirm the compatibility of the software to the suggested hardware configuration. Additional hardware and software requirements like graphics accelerator cards; third party software; if any; shall be clearly brought out at the time of quotation. Since the supply of the computational hardware is not part of the scope of supply. GPU acceleration requirements related to graphics cards if any, shall be clearly stated. Hardware that shall be tentatively available is as follows. <ol style="list-style-type: none"> 8. Operating System: Windows 10/11, 64 bits 9. Latest Intel core i9-12900K, 3.7GHz or higher, (5.3 GHz Turbo Boost), 8Cores 10. Graphics Card: GeForce / Radeon GPU compatible with OpenGL 3.2 with 4 GB RAM with support for dual display. 11. Hard disk: 2 TB or Higher 12. SSD: 1TB or higher 13. Ram: 64 GB RAM or higher 14. Monitor: 32" Dual-Monitor. <p><i>The bidder shall confirm the compatibility of the software with above mentioned hardware along with technical bid. In this regard, the bidder shall submit undertaking as per ANNEXURE 'L' of the bid documents.</i></p>			
5.2	Software License <ul style="list-style-type: none"> • A set of two standalone licenses for use and operation of this software is required for each of the independent modules of the software set, mentioned in this technical specification. The supplier shall arrange for user licenses from the parent company, authorizing the purchaser the legal right to use the software and claim credit for all the results for all times to come (perpetual). It is essential to have a perpetual license (no time limit), beginning from the time of acceptance of supply; without any requirement of periodic renewal 			

	<p>of the license from any source; free or otherwise. This requirement is an important requisite and is meant to safeguard the long-term interest of the purchaser.</p> <ul style="list-style-type: none"> • The software shall have ability to provide floating license on the client network as specified by the client. Wherein Installation, configuration, and resolution of any issue shall be responsibility of the supplier. • The supplier shall provide the necessary certificate for the Licenses backed-up by authentication, warranty, and support from the manufacturers/principals of these set of software respectively. <p>The supplier shall note that the PCs on which software shall be installed, or the license servers shall be selectively connected to the internet.</p>			
5.3	<p>CAD Software Demonstration</p> <ul style="list-style-type: none"> • At the time of technical evaluation, the suppliers shall be in a position to make available the same make and model of the offered products on compatible computer hardware to the purchaser's representative at the purchasers site i.e. CIRT, Pune. Shall arrange to have the features of the software demonstrated through their qualified representatives at no additional cost. It may please be noted that, at this stage, there shall not be any commitment from the purchaser's side to eventually procure the demonstrated products. The supplier shall arrange the necessary software and licenses to achieve this. Offers of suppliers not meeting the demonstration requirement shall not be accepted. • The supplier shall have to demonstrate the user-friendliness; in-built intelligence and productivity enhancement features of the software proposed to be supplied and shall also have to demonstrate the capability of the software help modules, including the user; administrator; tutorial and training manuals and documentation. This aspect shall also form important criteria in the product technical evaluation process <p>The supplier shall also be required to prepare simple sample projects; at no additional cost; for demonstration of the full range of the desired/proposed capabilities of the software. The purchaser shall provide a sample problem during this product evaluation phase. This demo-projects shall provide a means to understand and evaluate the capabilities of the offered software in meeting the purchasers' specified requirements in a hands-on manner. All necessary software shall be arranged by the supplier at no additional cost and no commitment by the purchaser at this stage.</p>			
5.4	<p>User and Technical Manuals</p> <ul style="list-style-type: none"> • The software shall be supplied along with one set of all the user & technical help manuals of all the modules of the software as a soft copy (preferably in pdf format). These help manuals shall cover both the usage and theory specs of software. It shall be possible to freely distribute these s/c manuals to as many numbers of users. It shall be possible to open the s/c manuals in any third-party pdf reader like adobe-reader without engaging the license of the software. • In addition to the help manuals the software shall have a fully featured help support system seamlessly placed within the software, so that, these are accessible at all point of time. software shall have a feature of context sensitive help, which helps explain the definition, significance, and connotation etc. of a subject at hand along with illustrative examples, tutorials and case studies. All these help files shall be supplied for the exact make and version of the software supplied. <p>User and Technical manuals shall be supplied along with the software, it shall not be internet based.</p>			

5.5	Tutorials <ul style="list-style-type: none"> The software shall be supplied along with a comprehensive set of tutorials & Solved Examples covering all the important aspect and modules of the supplied software. These tutorials shall cover a sample problem along with various hints and explanations in pdf and avi format with audio commentaries. The tutorials shall be supplied along with sample data problem, so that, the problem can be quickly recreated in the parent software. These Tutorials shall be supplied along with software in a set of DVDs/Pen/Portable drives. In addition to the tutorial DVDs, the licensed user of this software shall be provided access to the manufacturer internet website, where additional sample problems and tutorials are available for consultation and downloading, free of cost. 			
6.0	Delivery, Installation, Commissioning, License Management, Training, Configuration, Customization, Warranty with On-Site Technical Support, Inspection, Testing, Supply and Annual Maintenance Support Requirements			
6.1	Delivery: The software along with the other items covered in the scope of supply shall have to be delivered by the supplier to CIRT. The software must be necessarily supplied in the form of a suitable storage media like DVDs, Pen Drives OR Download package etc. as applicable.			
6.2	Installation & Commissioning: On the receipt of the purchase order, the supplier shall arrange to have the entire software/license server software installed and commissioned on the computer systems made available by the purchaser i.e. CIRT, Pune, at that time based on mutual agreement.			
6.3	License Implementation & its Management As a part of the installation and commissioning procedure, the supplier shall arrange the implementation of the license keys for perpetual use (without any time limit and no interlock from any agency) as per the details for the full software covered under the scope of supply and provide the necessary documentation, certificates, agreement from the supplier, backed up by an authentication and endorsement of continuity of licensing and support by the respective principals, as per the terms of supply of the purchase order. The license is to be issued in the name of "CIRT, Pune, India", unilaterally, on the strength and terms of the purchase order, for perpetual use (no time limit whatsoever) without any condition of periodic renewal of license, free or otherwise.			
6.4	Training of the full CAD software configuration <ul style="list-style-type: none"> The supplier shall provide systematic and comprehensive hands-on training on every feature/module of the software to at least 2 of the purchaser's representatives. This training shall be arranged at purchaser premises at CIRT, Pune. The supplier shall arrange all necessary training material required for the training. The training shall cover classroom lectures as well as 'hands-on training covering all the commands, menus, modules as well as functions of each command of SolidWorks. The supplier shall indicate the essential training program as per the need of their software set. A write-up on the proposed training methodology; training course content; duration for each module; etc. shall be submitted along with the quotation. The supplier shall provide training manuals/course material covering all its features to each user. The venue of training shall preferably be CIRT, Pune. The purchaser shall provide conference-room facility with projection system and one workstation. The supplier shall note that there is no option of training through video conferencing or via internet at the purchaser site. If training is to be conducted for some modules by the supplier through video conferencing or through Web-Meeting, 			

	<p>Desktop sharing etc. through the internet, such type of training shall be planned at the purchaser's site in CIRT, Pune where all necessary infrastructures and resources shall be made available based on mutual agreement.</p> <ul style="list-style-type: none"> • The duration of this training shall as per Cl. No. 8 of Chapter 2 of this tender document to demonstrate and practice all the basic and advanced usage of all the software features; and shall provide Handholding support as and when required for the ongoing live projects, covered in the scope of supply. • The quality of the training shall be such that the training shall enable the trained personnel to work independently on all the aspects in terms of modules and features of the software after the completion of the training. 			
6.5	<p>On-Site Comprehensive Warranty with Free Up-Dates and On-Site Technical Support</p> <ul style="list-style-type: none"> • The supplier shall provide a comprehensive on-site (i.e. at CIRT, Pune) Warranty, free of cost, for all the items covered in the scope of supply as mentioned in Cl. No. 5 of chapter 2 of this tender document and commissioning (as per this tender document) of this software. • The comprehensive on-site warranty shall include but not limited to the following <ul style="list-style-type: none"> 3. The replacement of the software in case the master backup media is corrupt and is required for fresh installation of the software. 4. Software mal-functioning, or the software has been rendered unusable during the normal usage and storage of these products as specified by the supplier. • A replacement by a de-bugged version of the software shall be provided in case a software bug has been found in the supplied software which adversely affects the reliability of the software or degrades its performance. • During the warranty period, the supplier shall undertake to provide free of cost software updates and upgrades on a CD/DVD/Any suitable online or offline media that shall be released by the parent company. At such instances, they are also expected to reload; install and commission the new software version on the Purchasers PC and train the purchaser's personnel in the modified features. • As a part of this free of cost technical support during warranty period; the supplier shall undertake to provide the necessary on-site technical support and help required by the purchaser's representatives in the installation; usage, technical aspects and management of the software. As a part of this mechanism all Technical and User level support issues shall have to be resolved by the servicing agency within 7 working days. If the issue is not resolved within this time, they must intimate the concerned agencies and seek their guidance to this effect. Till the time they solve it or address it conclusively, it shall continue to remain a pending issue to be coordinated by the servicing agency and the user kept fully abreast of the developments. • The supplier shall provide the necessary certificate for the warranty and on-site technical support backed-up by the manufacturers/principals of this software set. 			
6.6	<p>Inspection and Testing</p> <p>After the software has been installed and commissioned on the purchasers Computers/ Server at CIRT and the steps listed in Part-4.1 to 4.5 above have been completed, the supplier shall arrange to have the software covered in the scope of supply inspected by the representative of the purchaser at the purchaser's site i.e. CIRT, Pune at no additional cost. During the part of this inspection and testing</p>			

	stage, the supplier shall allow one week's time for the purchaser's representatives and assist them to test the software and benchmark it against its rated specifications. After successful results have been obtained from this stage, the supplier shall be issued an inspection report.			
6.7	Supply The items covered in the Scope of Supply; shall be deemed to be completed successfully after completion of all the work in this Tender document as detailed in Part-3 & 4 (4.1 to 4.6) and the respective documents have been provided			
6.8	Annual Maintenance Support (AMC) <ul style="list-style-type: none"> • CIRT may enter into Comprehensive on-site Annual Maintenance Contract (AMC) of the full range of software covered in the scope of supply as mentioned in chapter 2 of this tender document essentially starting from date of lapse of warranty period. The rights shall be reserved with Director CIRT to enter into AMC after completion of Warranty period. • The AMC is for an on-site, User, Technical and Product Support and shall cover software version up-grades, up-dates, renewals and on-site product maintenance. It shall in no way affect the perpetual use of the software at any time, with or without AMC. The supplier shall note that the License supplied shall be for perpetual use from the very outset and is independent of whether the purchaser opts for the AMC, or its renewal subsequently. <ul style="list-style-type: none"> • As a part of this AMC, the supplier shall undertake to provide the necessary on-site technical and user support, backed up by assurance to this affect from the parent company and help required by the purchaser's representative in the installation, implementation, usage and management of the software. During this period, the supplier shall also undertake to provide free of cost software up-dates and up-grades on a CD/DVD/Pen drives/portable drives etc. that shall be released by the parent company as applicable and provide on-site support and maintenance for the supplied software. As a part of this mechanism all Technical and User level support issues shall have to be resolved by the servicing agency within 7 working days. If the issue is not resolved within this time, they must intimate the concerned OEM and seek their guidance to this effect to fully resolve the issue. Till the time they solve it or address it conclusively either way, it shall continue to remain a pending issue to be coordinated by the servicing agency and the user kept fully abreast of the developments. 			

Annexure H

UNDERTAKING TO BE SUBMITTED IN CASE BIDDER IS Original software Developer

(To be submitted on the letterhead of the Original Software Developer in case bid is submitted by Original software Developer)

I / We hereby certify and confirm that we M/s(Name of the Bidder) here by give undertaking that we will extend our full warranty, maintenance service and Supply, Installation & Commissioning of software during warranty period and customer support service period, in accordance with terms and conditions of the tender document.

Yours faithfully,

(Signature, name, and designation of the authorized signatory)For and on behalf of

(Stamp of Original software Developer)

Annexure I

UNDERTAKING TO BE SUBMITTED BY ORIGINAL SOFTWARE DEVELOPER IN CASE BIDDER IS DISTRIBUTOR OF CAD SOFTWARE

(To be submitted on the letterhead of the Original software Developer)

I / We hereby certify and confirm that we M/s (Name of the Original software Developer) here by give undertaking that we will extend our full warranty, maintenance service and Supply, Installation & Commissioning of software during warranty period and customer support service period, in accordance with terms and conditions of the tender document.

I/ We also certify that M/s (Name of the Distributor) is our authorized distributor from last -----years. M/s----- (Name of the Distributor) is associated with us and have expertise of installation, commissioning, maintenance, and repair in most effective manner.

Yours faithfully,

(Signature, name and designation of the authorized signatory)

For and on behalf of

(Stamp of Original software Developer)

Annexure J

(to be printed in letter head)

Self-Certification under preference to Make in India order Certificate

In line with Government Public Procurement Order No. P-45021/2/2017-PP(BE-II) dated 16.9.2020 and its amendments, if any we hereby certify that we M/s

_____ are local supplier meeting the requirement of minimum local content i.e. _____ % as defined in above orders for the material against Tender No. dated... Details of location at which local value addition will be made as follows: _____.

We also understand, false declarations will be in breach of the 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 Rule 151(iii) of the General Financial Rules alongwith such other actions as may be permissible under law.

Thanking You,

Signature with date:

Name:

Designation:

Bidder Seal

(to be printed in letter head)

Self-Certification to be submitted by Non-local suppliers

We hereby declare that we are non-local suppliers
with factory of manufacturing unit at address as follows

We also understand, false declarations will be in breach of the 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 Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

Thanking You,

_____ Signature with date:

Name:

Designation:

Bidder

Seal

ANNEXURE K

Format for submission of letter from purchaser of CAD software - SolidWorks
(To be submitted on the letterhead of purchaser)

We, M/s. _____ have purchased **CAD software – SolidWorks** from
M/s. _____ in the year _____. Purchased **CAD software –**
SolidWorks in the year _____ is currently operating satisfactorily.

Signature of authorised signatory of purchaser with date:

Name:

Designation:

Company Name:

Seal of Purchaser Company :

UNDERTAKING

(to be printed in letter head)

Undertaking to be submitted by supplier confirming the compatibility of Software Quoted

We hereby give undertaking that the CAD software - SolidWorks quoted is fully compatible with all the software's mentioned under **"The applicable standards for which the use of CAD software is intended"** & all the hardware specifications mentioned under **"Technical Specification of Computer Aided Design (CAD) Software – SolidWorks"** of annexure 'F' of this tender document.

The CAD software - SolidWorks is compatible and can be used in conjunction with LS-dyna, & HyperWorks software for carrying out FEA analysis on hardware detailed at Sr. no. 5.1 of Annexure 'F' of this tender document.

Thanking You,

Signature with date:

Name:

Designation:

Bidder Seal