

Centre for Development of Advanced Computing (C- DAC)
A Scientific Society of the Ministry of Electronics & Information Technology
Government of India
A-34, Phase VIII, Industrial
Area, Mohali
Punjab – 160071
Tel: 0172-6619006
mmg-mohali@cdac.in
www.cdac.in

June 20, 2019

Tender Document

for

**Erection of Polyhouse & Hydroponics system at
GADVASU, Ludhiana, Punjab**

Tender No.: 1(756)2019/MMG

Last date for submission of bids: 15.07.2019 up to 1500 Hrs

Opening of technical bids: 16.07.2019 at 1500 Hrs.

The Tender Document can be downloaded from: www.cdac.in

Prospective Bidders may download the Tender Document from C-DAC's website (www.cdac.in) / Central Public Procurement Portal (CPP) (url:<https://eprocure.gov.in/eprocure/app>). Aspiring Bidders who have not enrolled/registered in e-procurement should enrol/ register before participating through the website <https://eprocure.gov.in/eprocure/app>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at 'Instructions for online Bid Submission' and submit duly filled bids online on the website <https://eprocure.gov.in/eprocure/app> as per the schedule given in the Tender Document.

TENDER SCHEDULE

Tender No: 1(756)2019/MMG

Name Of the Organization	Centre for Development of Advanced Computing, A-34, Phase Industrial Area, Mohali.
Date of Release of Tender	June 20, 2019
Last date of Uploading / Submission of bids	July 15, 2019, 1500 Hrs
Date of Opening of Technical bids	July 16, 2019, 1500 Hrs
Place of opening of technical bids	C-DAC, Mohali -160071.

Instruction for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal. More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION:

- Bidders are required to enrol on the e-Procurement module of the Central Public Procurement Portal (url: <https://eprocure.gov.in/eprocure/app>) by clicking on the link 'Click here to Enrol'. Enrolment on the CPP Portal is free of charge.
- As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- Bidders are advised to register their valid email address and mobile numbers for registration. These would be used for any communication from the CPP Portal.
- Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India with their profile.
- Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others, which may lead to misuse.
- Bidder then logs into the site through the secured login by entering their user ID / password and the password of the DSC / eToken.

SEARCHING FOR TENDER DOCUMENTS:

- There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / E-mail in case there is any corrigendum issued to the tender document.
- The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS:

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

SUBMISSION OF BIDS:

- Bidder should log into the site well in advance for bid submission so that he/she is able to upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay.
- The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- Bidder has to select the payment option as 'offline' to pay the EMD as applicable and enter details of the instrument(s).
- **Financial bids to be submitted in PDF format.**
- The system time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission,
- All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bid encryption technology. Data storage encryption of sensitive fields is done.
- The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- Upon the successful and timely submission of bids, the portal will give a successful bid submission message and a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

ASSISTANCE TO BIDDERS:

- Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the Tender.
- Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24*7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.

GENERAL INSTRUCTIONS TO THE BIDDERS:

- The tenders will be received online through portal <https://eprocure.gov.in/eprocure/app>. In **the Technical Bids, the bidders are required to upload all the documents in .pdf format.**
- Possession of Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/ e-Token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app>. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://eprocure.gov.in/eprocure/app> under the link 'Information about DSC'.

Tenderers are advised to follow the instructions provided in the 'Instructions to the Tenderers for the e-Submission of the bids online through the Central Public Procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app>.

SECTION I: INVITATION FOR BIDS (IFB)

1. Centre for Development of Advanced Computing (C-DAC) is a scientific society of the Ministry of Electronics & Information Technology, Government of India. C-DAC, Mohali, invites online bids from eligible bidders for **Erection of Polyhouse & Hydroponics system at GADVASU, Ludhiana** as per Technical Specifications (Annexure II).

2. Contact information:

Material Management Group
Centre for Development of Advanced Computing (C-DAC)
A-34, Phase VIII, Industrial Area, Mohali
Punjab-160071
Tel No.: 0172-6619006
E-mail: mmg-mohali@cdac.in

3. Online Two bid System:

The two bid system will be followed for this tender. In this system bidder must submit their offer online separately as explained below:

"Technical Bid" (to be uploaded online in CPP portal) and shall contain the following :-

- Scanned (in pdf format only) copy of Demand draft towards Earnest Money Deposit of INR 40,000/- (Rupees Forty Thousand Only) drawn in favour of Director, C-DAC, Mohali payable at Chandigarh/Mohali . (The Demand Draft must reach physically at the place of opening of the Tender on or before the due date & time of the Tender).
- Scanned (in pdf format only) copy of Technical Bid duly filled along with all supporting documents with proper seal and signatures of authorized person (with name, designation & contact no.).
- An authority letter issued by the competent authority authorizing the signatory to sign on behalf of the bidder.

"Financial Bid " is to be in excel format (to be uploaded online in CPP portal) and shall contain :-

- The Financial Bid complete in all respects with proper seal and signatures of authorized person (with name, designation & contact no.).

4. Eligibility Criteria For Technical Bid Evaluation:

In order to qualify in the Techno-Commercial Bid, the bidder must submit the documentary evidences along with the Technical Bid in support of the following: -

4.1 Experience Certificate:

- Experience in successful completion of similar nature of work as stipulated in the 'Scope of Work' during last 7 (seven) years ending previous day of last date of submission of application as detailed below –
 - 3 nos. of similar completed works each amounting to not less than Rs.6 lacs
OR
 - 2 nos. of similar completed each works amounting to not less than Rs.7.5 lacs
OR
 - 1 no. of similar completed work amounting to not less than Rs.12 lacs
- The bidder must attach at least one certificate of customer's satisfaction of these works.
- The above experience in the name of partners of the firm or that of the Director of the Company will be considered as experience of the firm/company participating in the tender.

4.2 ANNUAL TURNOVER :

Average Annual financial turnover not less than Rs.5,00,000/- (Rupees Five lakhs only) during last 3 financial years i.e. 2016-17, 2017-18, 2018-19. Copy of Balance Sheet or Profit & loss A/c or Income tax Return may be submitted.

4.3 Earnest Money Deposit

Earnest Money Deposit (EMD) of Rs. 40,000/- (Rupees Ten thousand only) in shape of Demand Draft in the name of Director CDAC, Mohali. (The DD must reach physically at the office on or before the due date of submission of Bid.)

4.4 Undertaking in the agency's letter head to the effect that the agency has not been blacklisted / debarred by any PSU or CDAC at any point of time.

4.5 A declaration is to be submitted that the bidder has carefully read all terms and conditions of the tender document and he is fully satisfied and accepted all terms and condition of the tender as per undertaking format attached as of this document.

4.6 Other Criteria –

The bidder has also to submit the following documents in support of his credentials -

- PAN Card.
- Copy of GST/ Registration Certificate
- Registered partnership deed in case of a partnership firm, Memorandum of Article and Article of association in case of a joint stock company, proprietorship certificate duly certified by a Notary in a stamp paper in case of proprietorship firm is to be enclosed.

Note:

- i. **All documents along with tender shall be self attested by the authorized signatory of the bidder / firm/company with official seal.**
- ii. **Submission of any forged document will attract legal action including the rejection of Tender or cancellation of contract at the risk and the cost of the agency, if awarded.**

All items are for **GADVASU Ludhiana, Punjab, Aquaponics site** and are to be supplied at designated location in Department of fisheries including taxes and carriage/transport/labour charges.

5. Date of submission of online bids and opening of the Technical bids online

Last date for submission of bids upto **15.07. 2019** at **1500 Hrs**

Technical bid will be opened 'ONLINE' on **16.07. 2019** at **1500 Hrs**

The EMD must be submitted in person or through post/ courier (C-DAC, Mohali shall not be responsible for any postal delays or any other reason for not submitting the EMD etc. in the specified time and resulting in disqualification / rejection of any bid) so as to reach on or before the due date and time of submission of tender. The representatives (maximum two) of bidders are welcome to attend the opening of the technical bids that are submitted online.

In case bidder requires any clarifications / information, they may contact C-DAC, Mohali at the address given in Clause 2 of Section I.

Note: Please do not put "Financial Bid" (prices quoted) in the technical bid. If the price quoted is submitted with technical bid the tender will be rejected at the sole discretion of C-DAC, Mohali.

6. Opening of financial bids

Financial bids of the **qualified bidders** only will be opened, in the presence of the bidders or their authorized representative of the bidders, who choose to attend, at the **time place and date** to be informed later.

The authorized representative of bidders, present at the time of opening of the bids shall be required to sign an attendance register as a proof of having attended the bid opening.

The bidder's name, bid prices, discounts and other appropriate details will be announced at the time of the opening of the financial bids.

(END OF SECTION - I)

SECTION II: INSTRUCTIONS TO BIDDERS (ITB)

1. The site for the work can be seen at **GADVASU Ludhiana, Punjab.**
2. Tenders are to be submitted in prescribed form as mentioned above.

3. **EVALUATION OF THE BIDS:**

3.1 **Technical bid**

- a. The bidders are required to submit all the relevant documents as prescribed in Section I Clause 4, "ELIGIBILITY CRITERIA FOR TECHNICAL BID EVALUATION".
- b. The bidders will be evaluated for technical competency based on past experience certificate submitted.
- c. The bidders will be evaluated for financial stability based on their Annual turnover during the preceding 3 (three) years (i.e. 2016-17, 2017-18, 2018-19) through Balance Sheet, Profit & loss A/c or Income tax Return filed or certificate from CA.
- d. The bidders documents mentioned in "Other Criteria" of "ELIGIBILITY CRITERIA FOR TECHNICAL BID EVALUATION" will be verified for authenticity.

3.2 **Price bid**

- a. The bidders are required to quote their rate in the "**B.O.Q.**" format enclosed online as per Annexure-II of the Tender Schedule. Price Bids of the bidders, whose Techno-Commercial bids are technically qualified, will be opened. The bidders will be intimated about the date & time of the price bid opening in advance through Portal.
- b. **The L-1 bidder will be evaluated on the basis of lowest rates in total value including G.S.T. quoted in the B.OQ.**

4. **Order Placements & Payments:**

**Material Management Group
Centre for Development of Advanced Computing (C-DAC)
A-34, Phase VIII, Industrial Area, Mohali
Punjab-160071
Tel No.: 0172-6619006,
Email id: mmg-mohali@cdac.in**

Note: The bidders should provide sufficient documentary evidence to support the eligibility criteria. C-DAC, Mohali reserves the right to reject any bid not fulfilling the eligibility criteria.

5. The tenderers should quote rate in figures as well as in words. The amount for each item should be worked out and the requisite totals given. In case of discrepancies in the rates in the figure/words, the rate written in words shall be considered.
6. An item rate tender containing percentage below/above will be summarily rejected. However, where a tenderer voluntarily offers a rebate, this may be considered.
7. Tenders shall be strictly as per the condition of contract, conditional quotations are liable to be rejected.
8. Without EMD , the tender will not be considered.

9. Amendment to Bidding Document

- 9.1 At any time prior to the deadline for submission of bids, C-DAC, Mohali may, for any reason, whether on its own initiative or in response to the clarification sought by a prospective bidder, modify the bid document.
- 9.2 The amendments to the tender documents, if any, will be notified by release of Corrigendum Notice in print media as well as CPP Portal. The Corrigendum Notice shall also be available on our web site. The amendments/ modifications will be binding on the bidders.
- 9.3 C-DAC, Mohali at its discretion may extend the deadline for the submission of bids if it thinks necessary to do so or if the bid document undergoes changes during the bidding period, in order to give prospective bidders time to take into consideration the amendments while submitting their bids.

10. Preparation of Bids

Bidder should avoid, as far as possible, corrections, overwriting, erasures or postscripts in the bid documents. In case however, any corrections, overwriting, erasures or postscripts have to be made in the bids, they should be supported by dated signatures of the same authorized person signing the bid documents. However, bidder shall not be entitled to amend/add/delete/correct the clauses mentioned in the entire tender document.

11. Earnest Money Deposit (EMD)

- 11.1 Bidder should submit the EMD as specified in the tender. The original should be Posted/couriered/given in person to the Tender Inviting Authority, within the bid submission due date & time for the tender. Scanned copy of the instrument should be uploaded as part of the technical bid.
- 11.2 The Earnest Money Deposit (EMD) shall be submitted along with the technical bid. The EMD is required to be in the form of Demand Draft in favor of **Director, C-DAC, Mohali** payable at Chandigarh/Mohali for an amount INR 40,000/- (Rupees Forty Thousand Only). The bid submitted without EMD shall stand rejected. No interest shall be payable on EMD.
- 11.3 The EMD will be returned to the bidder(s) whose offer is not accepted, within 30 days from the date of opening of financial bid(s). However if the return of EMD is delayed for any reason, no interest/ penalty shall be payable to the bidder.
- 11.4 The EMD may be forfeited:
 - If the bidder withdraws the bid during the period of bid validity specified in the tender or
 - In case the successful/L-1 bidder refuses to undertake the work due to any reason or does not execute the work as per the specifications mentioned in the PO.

12. Period of validity of bids

- 12.1 Bids shall be valid for minimum 90 days from the last date of submission. A bid valid for a shorter period shall stand rejected.
- 12.2 C-DAC, Mohali may ask for the bidder's consent to extend the period of validity. Such request and the response shall be made in writing only. The bidder is free not to accept such request without forfeiting the EMD. A bidder agreeing to the request for extension will not be permitted to modify his bid.

13. Submission of Bids

The Bid documents shall be neatly arranged in pdf format. The bid should be complete in all respect as notified in this tender. Incomplete and conditional bids shall not be accepted. They should not contain any terms and conditions, printed or otherwise, which are not applicable to the Bid. Conditional bid will be summarily rejected. Insertions, postscripts, additions and alterations shall not be recognized, unless confirmed by bidder's signature.

14. Deadline for Submission of Bids

- 14.1 Bids must be received by C-DAC, Mohali before the due date and time at the address specified in the tender document. In the event of the specified date for the submission of bids, being declared as a holiday for C-DAC, Mohali the bid-closing deadline will stand extended to the next working day up to the same time.
- 14.2 C-DAC, Mohali may extend this deadline for submission of bids by amending the bid documents and the same shall be suitably notified in the media.

15. Late Bids

Any bid received by C-DAC, Mohali after the deadline for submission of bids, will not be accepted. C-DAC, Mohali shall not be responsible and liable for the delay in receiving the bid for whatsoever reason.

16. Award of Contract

- 16.1 C-DAC, Mohali shall award the contract to the eligible bidder whose technical bid has been accepted and determined as the lowest evaluated financial bid. However, C-DAC, Mohali reserves the right and has sole discretion to reject the lowest evaluated bid.
- 16.2 If more than one bidder happens to quote the same lowest price, C-DAC, Mohali reserves the right to decide the criteria and further process for awarding the contract, decision of C-DAC, Mohali shall be final for awarding the contract.
17. The acceptance of a tender will rest with the Director, C-DAC, Mohali, who does not bind himself to accept the lowest quotation and reserves the rights to reject any or all of the quotations received without the assignment of any reason.
18. All tenders in which any of the prescribed conditions are not fulfilled or incomplete in any respect are liable to be rejected.

19. C-DAC's Right to amend / cancel

- 19.1 C-DAC, Mohali reserves the right to amend the eligibility criteria, financial terms & conditions, Scope of Supply, technical specifications etc after due notification.
- 19.2 C-DAC, Mohali reserves the right to cancel the entire tender without assigning any reasons there for.

20. Corrupt or Fraudulent Practices.

- 20.1 It is expected that the bidders who wish to bid against this tender have highest standards of ethics.
- 20.2 C-DAC, Mohali will reject bid if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract;
- 20.3 C-DAC, Mohali may declare a vendor ineligible, either indefinitely or for a stated duration, to be awarded a contract if it at any time determines that the vendor has engaged in corrupt and fraudulent practices during the award / execution of contract.

21. Interpretation of the clauses in the Tender Document / Contract Document

In case of any ambiguity/ dispute in the interpretation of any of the clauses in this Tender Document, the interpretation of the clauses by Executive Director, C-DAC Mohali shall be final and binding on all parties.

(END OF SECTION – II)

SECTION III: TERMS & CONDITIONS

1. The work to be executed within 2 months from date of Work order issue to selected bidder.
2. The security will be deducted @5% of the total billing amount and will be refunded after completion of **maintenance period i.e. six months.**
3. The maintenance period after completion of work will be the six months.
4. On acceptance of the tenders the name of the accredited representative(s) of the Contractor who would be responsible for taking instructions from C-DAC shall be intimated to the undersigned.
5. Canvassing in connection with tenders is strictly prohibited and the tender submitted by the contractors who resort to canvassing will be liable to rejection.
6. G.S.T. or any other charges etc. shall be payable by the Contractor and office will not entertain any claim whatsoever.
7. The materials, design and workmanship shall be as per the CPWD specifications.
8. The time of completion of the entire work shall be **TWO MONTHS** only.
9. The security of all the material required for the execution of the work shall be responsibility of the contractor.
10. The quantity of the work may be increased or decreased.
11. No material shall be issued by C-DAC, Mohali. The contractor shall be responsible for arranging all such materials, required for the work.
12. The tender offer shall be valid upto 90 days.
13. The selected bidder shall liable to pay the water and electricity charges @ 1% of total cost of the project.
14. EMD shall be returned to all except the tenderer/bidder selected for supply/work immediately after the order is placed. The selected tenderer/bidder will get the earnest money back once the work is completed and site handed over.
15. In case the tenderer/bidder fails to complete the work according to the terms and conditions of the order, the amount of EMD will be forfeited.
16. Quality Control: Necessary test required as per CPWD Manual shall be carried out while laying pre-mix at site. Test Report shall be submitted to the Office along with the bill. Test charges will not be paid separately.
17. The disputes, legal matters, court matters, if any arising out of this quote will fall under Mohali Jurisdiction only.

SECTION IV: SPECIAL TERMS & CONDITIONS

1. Conditional Tender:

Tenders must be unconditional only based upon provisions of the NIT. Any conditional tender, if received, is liable to be rejected.

2. Specification:

For all scheduled items CPWD specifications are to be followed. For non-scheduled items specifications furnished by Engineer-in-charge are to be followed.

3. Method Of Measurement:

C.P.W.D method of measurement will be followed. If the same is not available for any particular item, then measurement shall be as per relevant ISI codes

4. Alteration In Scope Of Work:

If at any time after acceptance of the tender, C-DAC, Mohali shall decide to abandon or reduce the scope of the works for any reasons whatsoever and hence not require the whole or any part of the works to be carried out, C-DAC, Mohali shall give one week notice in writing to that effect to the contractor and the contractor shall have no claim to any payment of compensation or otherwise whatsoever on account of any profit or advance which he might have derived from the execution of the works in full but which he did not derive in consequence of the fore-closer of the whole or part of the work.

5. Terms Of Payment:

No mobilization advance shall be paid. 95% Payment shall be made on completion of work, rest 5% payment shall be kept as security money, which will be refunded on completion of defect liability period of six months.

6. Acceptance Of Tender :

The centre reserves the right to reject any or all the tenders received without assigning any reason.

7. Safety Codes:

The contractor will be required to follow all the safety codes as per CPWD norms.

8. Penalty/Extension Of Time :

The contractor will have to complete the tendered work/supply within the time frame allotted. Subsequently he has to obtain the completion certificate. Liquidity damages/penalty clause is applicable @ 1% per week subject to a maximum of 10% of the entire costs of work in case of delayed completion of work/supply.

If the contractor shall desire an extension of the time for completion of the work on the ground of his having been unavoidably hindered in its execution or any other ground he shall apply in writing to the Director, C-DAC, Mohali with corresponding time extension. The Director on the recommendation of the Committee Members (reasonably defined) may give extension. However, the contractor shall not be entitled for claiming any extra financial benefit due to delay in the completion of the work. No application for extension of time received late or any officer other than the Director shall be considered valid. If the contractor fails to apply for extension as aforesaid and the work is not completed within the time limit the contract shall be determined absolutely after action under clauses.

9. Contractor Liable For Payment Of Compensation To Injured Workmen Or In Case Of Death:

In every case in which by the virtue of the provision of the section 12, sub section (i) of the workman's compensation Act 1922 C-DAC, Mohali is obliged to pay compensation to the workmen employed by the contractor in execution of work, C-DAC, Mohali will recover from the contractor the amount of compensation so paid and without prejudice to the right of under section 12 sub section (ii) of the said Act. The C-DAC, Mohali shall be of liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sums due to the contractor whether under the contractor and upon his giving full security for all costs for which C-DAC, Mohali might become liable in consequence of contesting such claim.

10. Extra Ordinary Claims :

No claims for payment of an extra ordinary nature, such as claims for extra labor employed in completing the work before the expiry of the contractual period at the request of committee or claims for compensation where work has been temporarily brought to a standstill though no fault of the contractor, shall be allowed unless and to the extent that the same shall have been expressly sanctioned by C-DAC, Mohali.

11. First Aid Facilities :

At every place First Aid Facilities shall be provided & maintained, so as to be easily accessible during working hours, First Aid Boxes at the rate of not less than one box per 150 person or part thereof shall be provided at site.

The First Aid Box shall be distinctly marked with Red Cross on white ground and shall contain the kit as per norms as prescribed by the concerned authority.

The First-Aid Box shall be kept with in charge responsible, which shall always be readily available during the working hours of the work place.

A responsible person shall be the in charge of the First Aid Box and he shall be a trained person in the First-Aid treatment.

12. Payment Of Wages Of The Labour:

The contractor shall follow the payment of wages as per applicable labor law rules and will be fully responsible for the payment to the labor directly.

13. Arbitration:

All disputed, differences or questions arising out of or in connection with this agreement between the contractor and C-DAC, Mohali : both parties, contractor and C-DAC, Mohali have to right to go court under mohali jurisdiction.

14. Force Majeure:

C-DAC, Mohali may consider relaxing the penalty, as specified in this document, if and to the extent that, the delay in performance or other failure to perform its obligations under the contract is the result of an Force Majeure. Force Majeure is defined as an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, floods, storms etc.), acts of states / state agencies, the direct and indirect consequences of wars (declared or undeclared), hostilities, national emergencies, civil commotion and strikes at successful Bidder's premises or any other act beyond control of the bidder.

15. Indemnity:

Selected bidder shall save and indemnify C-DAC, Mohali from any third party Govt. Claims, losses penalties, if any, arising in connection with this Contract.

16. Assignment:

Selected bidder/ Party shall not assign, delegate or otherwise deal with any of its rights or obligation under this Contract without prior written permission of C-DAC, Mohali.

(END OF SECTION – IV)

TECHNO-COMMERCIAL BID
(Relevant documents to be submitted online in Technical Bid Part)

1.	Full name of the organization /firm/company	
2.	Year of establishment	
3.	Status of the agency i.e. Sole, Proprietorship, Partnership, Pvt. Ltd., Public Ltd., etc.	
4.	Full Address, Telephone No(s), Fax(s), E Mail etc. of Registered Office.	
5.	Full Address, Telephone No(s), Fax(s), E Mail etc. of Local Office(s) in Mohali.	
6.	Name & Mobile Numbers of Directors / Partners / Proprietor	i) ii) iii)
7.	Whether an assessee of income tax. If so, mention permanent account number (PAN No.).	
8.	Name of two referees of repute with address & telephone number (enclose their certificates)	
9.	GST Certification No.	
10.	Enclose copies of Income Tax Return of the company submitted for last three financial years along with copy of GST No.	
11.	Audited Statements of Accounts and Balance Sheet showing Annual Turnover for last 3 financial years.	
12.	Experience Certificate for required value of work as specified in Clause- 4.1 of Section-I	
13.	The bidder must attach at least one certificate of customer's satisfaction of these works	
14.	Documents in support of Average Annual Financial Turnover as specified in Clause- 4.2 of Section-I i.e. 2016-17, 2017-18, 2018-19 (B/sheet or P&L a/c or IT Return)	
15.	Name/s of Banker/s and their addresses along with IFSC Code	
16.	Undertaking to the effect that the firm is not blacklisted by any Govt. Organization/ DGS&D/ NCCF/ Kendriya Bhandar/ PSU etc. during last three years	

Note: Attach attested documentary proof in support of each of the above with the technical bid, failing which bid is liable to be rejected.

Declaration

1. I/We have meticulously gone through the contents of this tender and willingly accept the same.
2. I/We understand that if any false information is detected at a later stage, any future contract made between ourselves and C-DAC, Mohali on the basis of information given by me/us can be treated as invalid by C-DAC, Mohali.
3. We agree that the decision of C-DAC, Mohali in selection of bidders will be final and binding on me/us.
4. All the information furnished in the bid is correct to the best of my/our knowledge.
5. I/We also agree that I/We have no objection if enquiries are made about the works listed or any other enquiry on the information furnished herewith in the accompanying sheets.
6. I/we also certify that I/we have visited the site and got acquainted with local conditions. My/our price bid is based on the basis of our full understanding about the job. I/we also authorize the company to forfeit my earnest money in case I/we fail to take up the job in the event of acceptance of my/our tender by CDAC

Place:

Date:

SIGNATURE & SEAL _____
NAME & DESIGNATION _____
ORGANIZATION _____

PRICE BID CUM BILL OF QUANTITY (B.O.Q.)

TECHNICAL SPECIFICATIONS FOR ERECTION OF POLYHOUSE AND HYDROPONICS SYSTEM (CIVIL & MECHANICAL WORK)

Site of Construction: GADVASU (Dept. of Fisheries), Ludhiana, Punjab

Sr. No.	Description	Qty.	Amount
	ERECTION OF POLYHOUSE AND HYDROPONICS SYSTEM	01 No.	BLOCKED
1.	<p>Structure An aero dynamic stand alone naturally ventilated greenhouse of size of 15m x 6m (L x B). The structure should be designed to withstand wind loading of 130 km per hour. Gutter Orientation- North South Top Height 6.5 m Gutter Height – 4.0 m Top vent: 1.00 metre opening fixed with 40 mesh insect net Gutter slope- 2% as per requirement Vertical column post and structure should be made Hot Dip Galvanised Tubular structure of BIS standards. Galvanization of structural members should not be less than 300GSM (grams per square meter). Structure Members 1. Columns – 76 OD, 2mm thick 2. Purlin 48mm OD/2.0mm thick at ridge and 42/43 OD/2 mm thick for centre 3. Trusses – Bottom horizontal 60mm OD/2 mm thick G.I. Pipe, top chords and truss members 48mm OD and 43 mm OD 2.0mm thick Bracing 32 mm OD/1.8 mm thick G.I Pipe structure members to be fitted in plated nuts, bolts and washers without welding.</p>		BLOCKED
2.	<p>Land Development and Levelling As per site</p>		
3.	<p>Foundation Appropriate foundation below and above the ground as per the load bearing capacity of the soil at site. 2 feet curtain wall along the periphery above ground level, width=9". Mix 1:4, 15 mm cement plaster on the rough side of single half brick and 12 mm on other side. Finishing wall with Deluxe multi surface paint system for interior and exterior using primer as per manufacturers specifications with 2 or more coats applied @ 1.25 ltr per 10 Sq mtr over and including one coat of special primer applies @0.75 ltr per 10 Sq mtr. Grouting of side poles in PCC (1:2:4) below ground level. 600mm of plinth protection all around the periphery of the greenhouse with cement and concrete (1:2:4) with standard water proofing. Plinth beam RCC 9*9" all periphery including reinforcement shuttering etc (1:2:4)</p>		
4.	<p>Glazing Naturally Ventilated Greenhouse having vents at top and at sides. Structure is fully covered with 200 micron polyethylene film (wide range) fixed with gasket and silicon treatment wherever required with minimum level of light transmittance of 85%..Warranty: 2 years from the date of installation of complete system. Side Walls vents: 6x1.5 metre with mosquito net and manual opening and closing of side wall vents using UV stabilized, polyethylene film of 180-200 Micron thickness and minimum level of light transmittance of 85%. All ends/joints of plastic film should be fixed in aluminum box type profile with suitable locking. In order to enhance the life of plastic film, an appropriate cushioning patch, with thermal insulation property, should be provided at the contact surfaces with GI structural members.</p>		

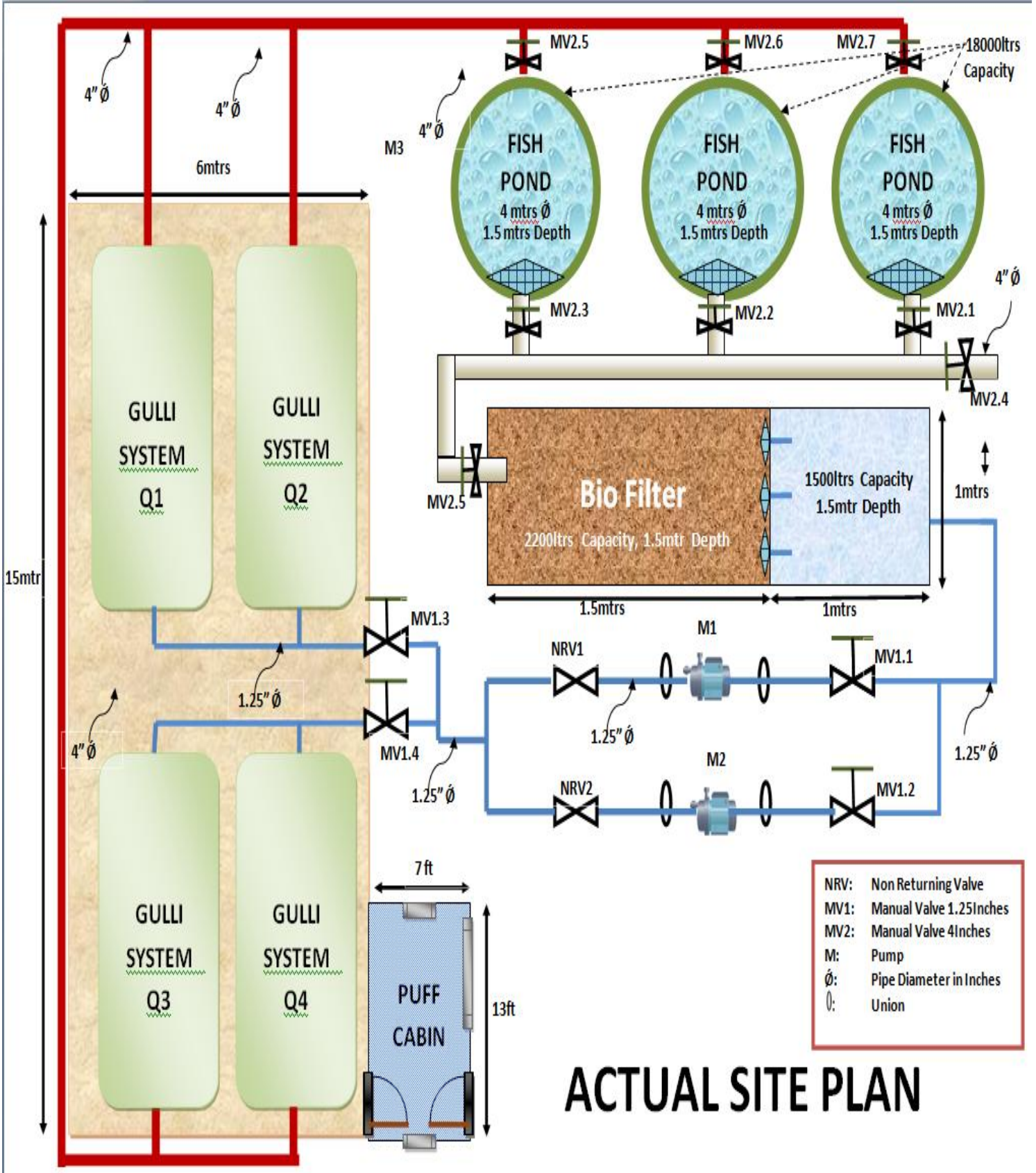
Sr. No.	Description	Qty.	Amount
5.	<p>Puff cabin Sliding Door: Size: 2.5m x 1m long & wide, normally lockable made with puff material, flashings & installation Dimension cabin : 13 x 7 x 8 Ft. (L x W x H) (Dimensions may vary w.r.to location) Roof Size : 17 x 9 Ft. (Tapering w. r. to exhaust fan at Location) Material: Puff Panel Puff panel of walls : 50mm thickness Puff panel corrugated roof: 40-70 mm thickness MS window as per actual size with 6mm glass Puff panel door with necessary hardware Work should be executed on turnkey basis, with all accessories and hardware, sealants, flashings and cuttings for the necessary opening of windows and doors.</p>		
6.	<p>Ventilation & Cooling System</p> <p>(i) FAN-PAD system: Evaporative cooling system with cross-fluted corrugated cellulose pad (size = height 1.5 x 12 metre) with suitable water circulation and bleeding to decide the flow rate and tank capacity. Non-corrosive (GI sheet) water distribution / collection /pad supporting channels for the above cooling pad. Complete water circulation/collection mechanism for the above size of cooling pad including water pump, pipe fittings, water storage tank (with floating valve) etc. Provision for water softening and filtration to prolong the life of pad.</p> <p>(ii) FAN Unit: On the opposite wall heavy duty slow speed 627mm (diameter) axial flow fan with safety net and automated aluminium louvered covering will be provided. Insect proof screen made of 40x40 stainless steel mesh structure behind the fan. Note: Complete structure to be made of steel, nuts and bolts- rust proof and zinc coated. All hardware hot dip galvanized</p>		BLOCKED
7.	<p>Exhaust Fan One exhaust fan with shutter system. Insect proof screen of stainless steel mesh structure should be placed in the Puff cabin.</p>		
8.	<p>Electrical Control panel and switches for all equipment (FAN-PAD, lights) should be placed in the ante room. Electrical connections switches, plugs (6A, 16 A), MCBs switch panel, ISI copper wires, conduits, 12 LED tubelights (3200 lumens approx) (08 in polyhouse, 01 in puff cabin, 01 to be fitted at outdoor location by mounting on pole)</p>		
9.	<p>Miscellaneous Wash basin Sufficient lighting will be provided inside the chamber and anteroom.</p>		
10.	<p>Water tanks Round shape, steel bar: 10-12 mm as per requirement (horizontal & vertical, gap: 6"), Each of 18000 liter capacity, All tanks are to be placed 1.5 meter below ground level. All are connected to each other with 4" pipe with manual valves. Each tank must have outlet pipe of 4" along with manual valve and connected to single 4" pipe as per drawing. PVC pipe can be used. Suitable mesh/filter to be provided at all inlets and outlets. Specs: PCC- 1:3:6 (6"), RCC- 1:2:4 (150 mm thickness), Base foundation -1:2:4 (200 mm)</p>		

Sr. No.	Description	Qty.	Amount
11.	Water Tank Capacity 3700 Litres (2200+1500 liters), shape: rectangular, 1.5 metre below ground level connected internally with mesh/filter using 4" PVC pipes. All water tanks to be covered with corrugated roof at height of 8 feet above ground level and outer area to be covered with mesh fencing. Specs same as in Sr. No. 10		BLOCKED
12.	Pipes fitting CPVC :1.25", 0.5", 1" as per site plan along with Ts, elbows, manual valves, Unions, MTA, MTA, sockets etc. PVC 4.0" return pipe (60 metre) with proper bends, sockets, reducers, Unions, mesh filters manual valves etc.		
13.	Iron stands -Triangular As per drawings 14 gauge (1.0"x1.0" square pipe), paint: navy blue, ends of iron angles should be covered with plastic casings. Provision must be there to lift the gullies upto 1 inch in individual line.		
14.	Gullies 6" round PVC pipes with holes at 1 feet as per drawing and to be closed at ends with sockets. Proper sealing to be provided using gasket/ febibond with 0% leak proof		
15.	Flexible threaded pipe color black		
16.	Foggers/Sprinklers Suitable foggers/Sprinklers alongwith water pipes to be fitted as per the polyhouse design		
17.	Shade net Shade percentage: 50%, colour : Green, to be placed at roof top of poly house		
18.	Earth excavation As per site requirement on actual basis		

* All items are for GADVASU Ludhiana, Punjab, Aquaponics site and are to be supplied at designated location in Department of fisheries including taxes and carriage / transport / labour charges.

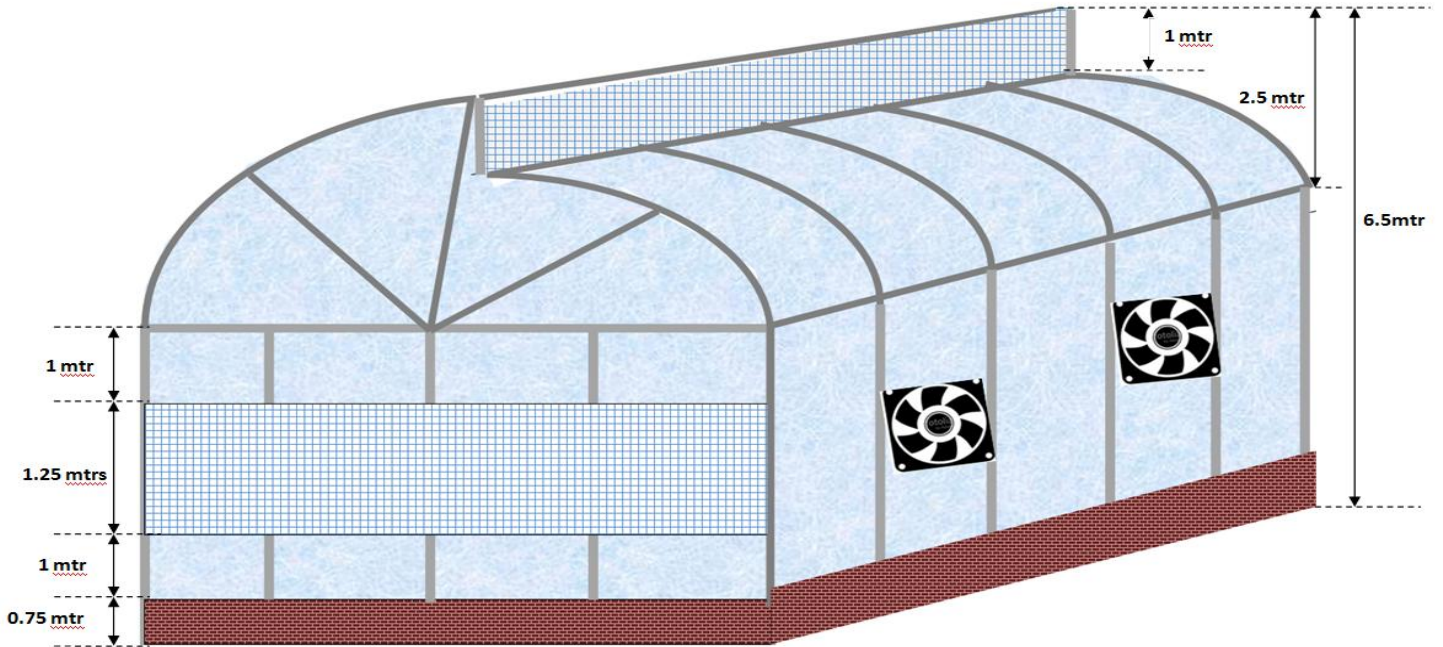
The Actual Site Plan, Poly House Structure, Fan pad System, Aquaponics Flow Diagram, Piping System Diagram and Triangular Stands (Front & Isometric View) is attached

Work to be executed in 2 months

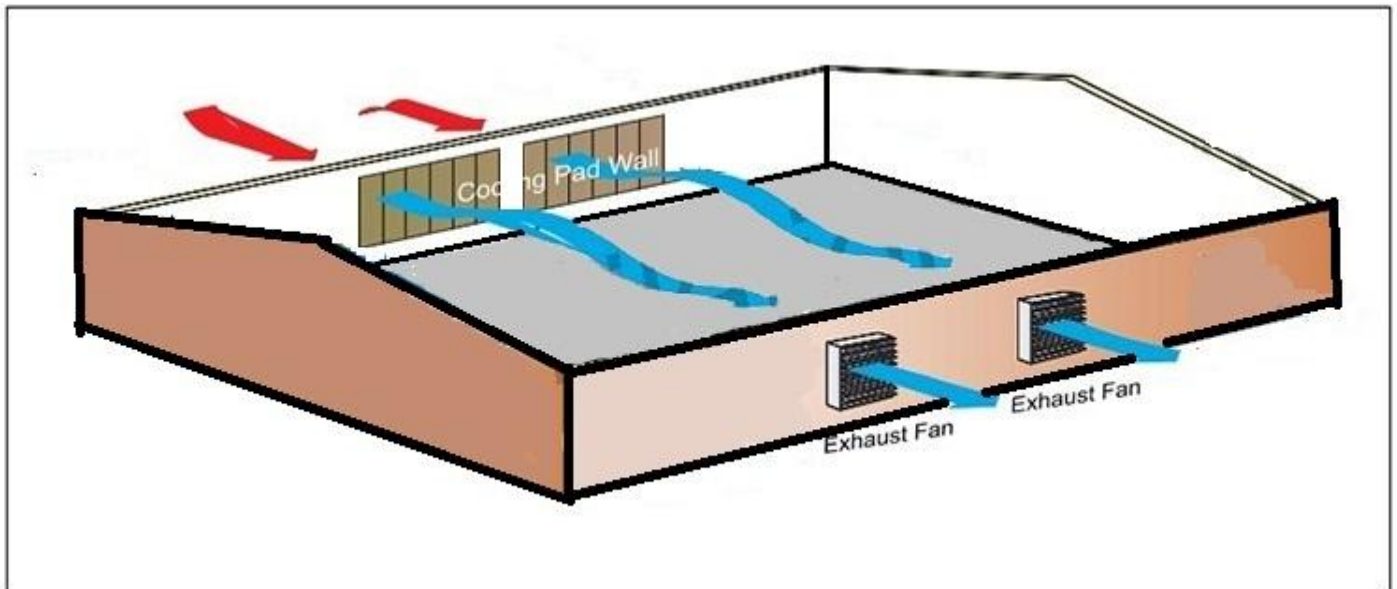


NRV:	Non Returning Valve
MV1:	Manual Valve 1.25Inches
MV2:	Manual Valve 4Inches
M:	Pump
∅:	Pipe Diameter in Inches
∩:	Union

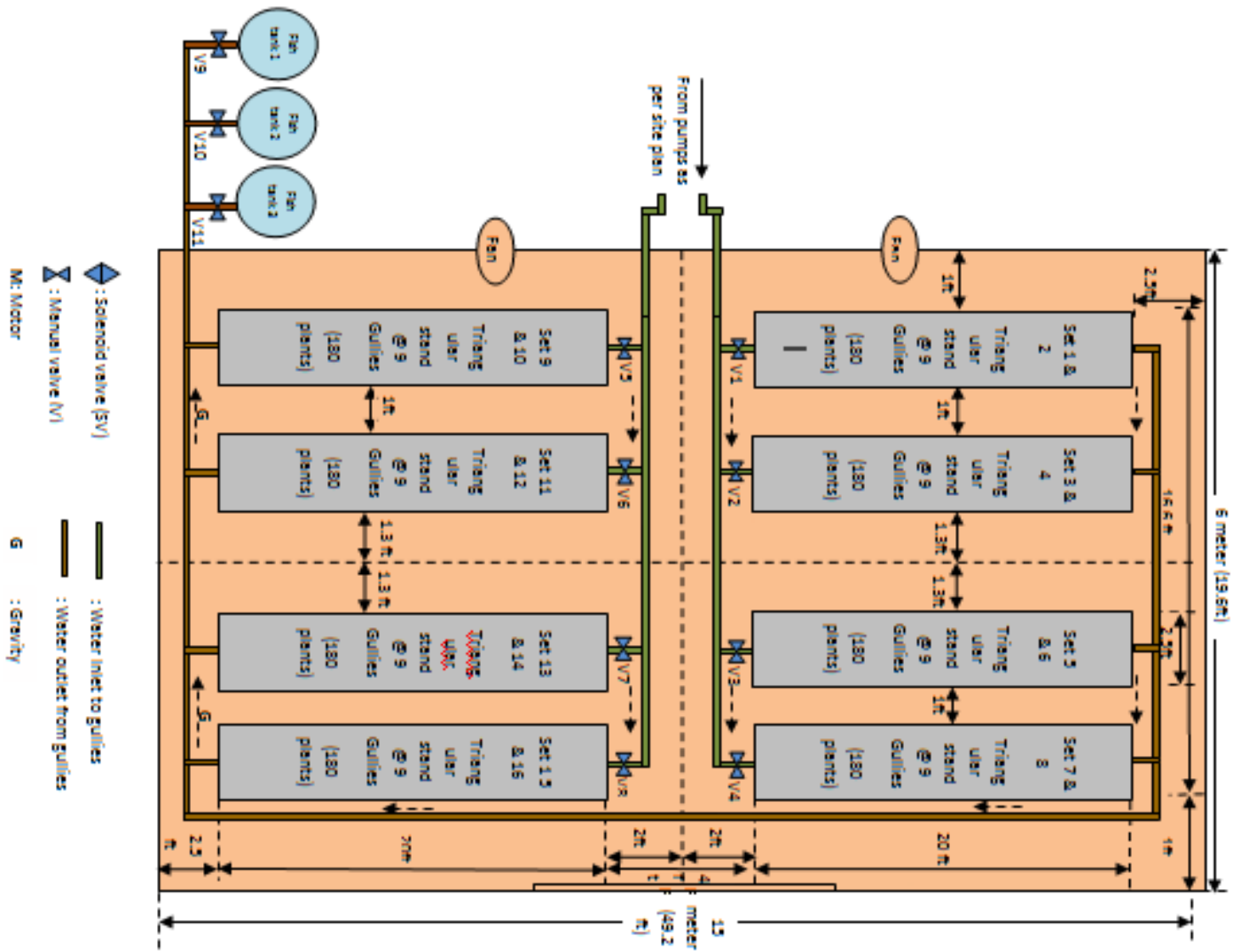
PolyHouse Structure:



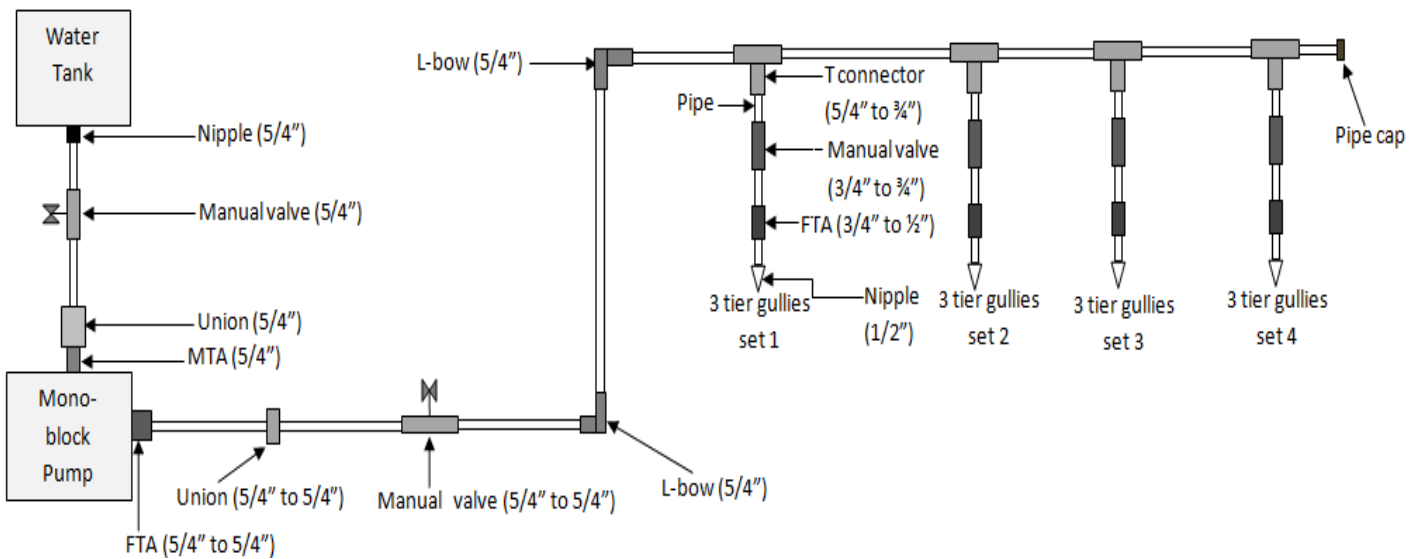
Fan Pad System:



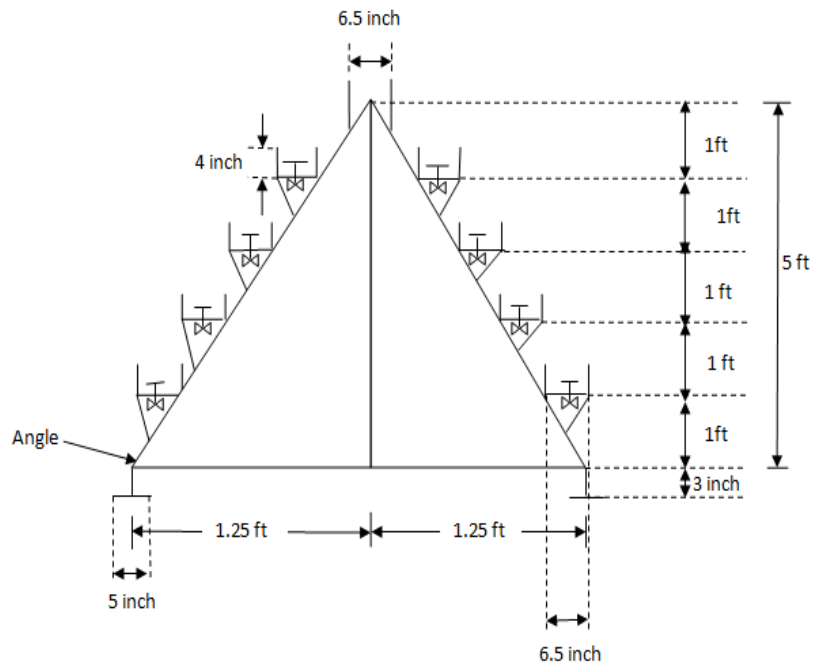
Aquaponics Flow Diagram:



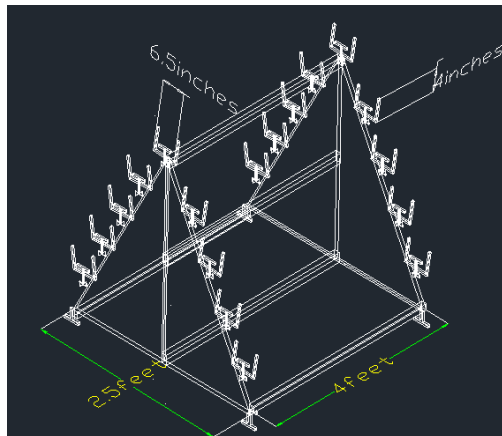
Piping System Diagram:



Triangular Stands: Required 20 Nos. (Front View)



Isometric View:



TENDER ACCEPTANCE LETTER**DATED:****To:**

Centre for Development Of Advanced Computing
A-34, Industrial Area,
Phase-VIII, Mohali, PUNJAB-160071.

SUB: Acceptance of Terms & Conditions of Tender.**Tender Reference No.:** 1(756)2019/MMG**Name of Tender / Work:** Erection of Polyhouse & Hydroponics system at GADVASU,Ludhiana,
Punjab

Dear Sir,

In response to the tender invited by you, I/We have examined the scope of work and other terms and conditions of the contract and I/We agree to abide by all instructions mentioned in these documents attached hereto and hereby bind myself/ourselves to execute the work as per the schedule stipulated in the Tender Notice.

I/We further agree to sign and execute all agreements/bonds as may be required by CDAC to abide by the all conditions of the contract and to carry out all work as per specifications, failing which, I/We shall have no objection for the forfeiture of the earnest money/security money deposited with the company.

I/We also undertake that I/we have not been blacklisted by any PSU or debarred by CDAC at any time. I/We enclose herewith the required documents.

Yours faithfully,

Signature of the Tenderer with SealEncl: List of documents

1. Tender Schedule
2. Part-I Techno commercial Bid
3. Part-II Price Bid.