

Tender Ref. No. 01 /District Plan/Biofloc/2020-21

Dated 07-01-2021

TENDER DOCUMENT

for

**Supply, Installation & Commissioning of
PVC coated Tarpaulin Biofloc Fish culturing**

Unit with 05 tanks at

Govt. Fish Seed Production Center,

Gularbhoj (Gadarpur)

UDHAM SINGH NAGAR

Office of

The Assitant Director Fisheries

Udham Singh Nagar, Uttarakhand

Email:adfusnagar@gmail.com

NOTICE INVITING TENDER

The Assistant Director Fisheries, Udham Singh Nagar invites sealed tender in Two bid system (Technical & Financial bid in two separate envelopes) from eligible and qualified Manufacturers/AuthorizedDistributors/AuthorizedDealers/Contractors who are working in field of aquaculture for the Supply, installation, commissioning at site for Biofloc unit comprise of 05 Fish Culturing Tanks each with a capacity of 15000 liters.

The details are summarized below: -

a)	Tender number	Reference number for inviting bids through this tender is Tender Ref. No.01 /ZILA YOJNA/BIOFLOC/2020-21 Dated 07.01.2021
b)	Purchaser	Assistant Director Fisheries, Udham Singh Nagar (Uttarakahnd)
c)	Usage	The complete set up of Biofloc unit comprising of 5 Fish culturing tanks at the government fish farm aims to provide latest and scientific knowledge to the local fishers and to impart skill and entrepreneurship development training.
d)	Scope of Tender	Supply, Installation/Complete Set Up & Commissioning Of Biofloc Fish Culturing Unit comprising 05 Tanks made up of minimum 1800 gsm PVC coated tarpaulin with Training to the department officials/staff.
e)	Specification/ Details	The detailed technical specifications of items wise requirement are specified in tender and placed at Schedule E .
g)	Locations of supplies	The Biofloc unit would be installed/set up at Govt. Fish Seed Production Centre, GularBhoj, Gadarpur, Udham Singh Nagar.
h)	Earnest Money Deposit (EMD) along with Tender	The EMD of ₹18,000/- (Rupees Eighteen Thousand Only) shall be submitted in the form of Fixed Deposit Receipt (FDR) in favor of Assistant Director Fisheries Udham Singh Nagar payable at Rudrapur, Udham Singh Nagar and to be placed in the Technical Bid envelope while submitting the tender.
j)	Cost of Tender Documents	Rs. 1000/- (Including 18% GST)
k)	Last date of submission of tender	Tender must be delivered to the address below on or before 28 January, 2021 up to 13:00 hours. Late bids will be rejected. The Assistant Director Fisheries Vikas Bhawan, Rudrapur Udham Singh Nagar-263153.
l)	Date of opening of Technical and Finacial Bid	The Technical and Financial Bid for the tender shall be opened on 28 January, 2021 at 15:00 hours at the address as under: Room NO. 20, Vikas Bhawan, Rudrapur Udham Singh Nagar-263153.

Note: In case of any further details required, the same can be collected from the office of The Assistant Director Fisheries, Vikas Bhawan, Rudrapur, Udham Singh Nagar-263153 from **07^h January 2021 to 28 January 2021** (except Sunday & govt. holidays) between 10:00 hours to 16:00 hours.

TENDER NO: 01/District Plan/Biofloc/2020-21

Schedule A

TERMS & CONDITIONS FOR SUPPLY, INSTALLATION/COMPLETE SET UP & COMMISSIONING OF BIOFLOC FISH CULTURING UNIT WITH 05 TANKS

1. Office of the Assistant Director Fisheries, Udham Singh Nagar invites tenders for establishment of PVC coated 05 Biofloc Fish culturing Tanks (includes supply, installation/complete setup & commissioning of tanks) with all necessary supportive works like ground leveling, brick/concrete pedestals, water supply connections, drainage connections, aerators and electrical connections, supportive roofing structure in Iron Frame for shade Green Net with 200 gsm tarpaulin roofing for additional protection and to commission the project at **Govt. Fish Seed Production Centre, GularBhoj, Gadarpur, Udham Singh Nagar** from the Manufacturer/authorized Dealer/contractors who have at least **03 years of experience** in the field of aquaculture.
2. **Preference will be given to firms** who have completed works of Biofloc units or Re-circulatory Aquaculture System Units in any of Central Govt./State Govt./PSU organization/agencies/department.
3. The tenderer is being permitted to give tenders in consideration of the stipulations on his part that after submitting his tender, he will not withdraw his offer or modify the terms and conditions thereof. If the tenderer fails to observe and comply with the foregoing stipulation, the aforesaid amount of EMD will be forfeited by The Assistant Director Fisheries, Udham Singh Nagar.
4. The Tenderers are advised to study the same carefully before tendering and they shall be deemed to have fully acquainted themselves with the same.
5. The basic drawing of biofloc unit is merely attached in this tender to give a basic idea about the work and is not as per the specifications. The items to be supplied/establishment works should be strictly as per the specification mentioned in tender document.
6. The Tenderers, in their own interest, are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders, in respect of the site conditions including but not restricting to the following which may influence or affect the work or cost thereof under the contract.
 - a) Site conditions including access to the site, existing and required roads and other means of transport/communication for use by him in connection with the work.
 - b) Requirement and availability of land and other facilities for his enabling works, stores and workshops etc.
 - c) Ground condition including those bearing upon transportation, disposal, handling and storage or materials required for the work or obtained there from.
 - d) Source and extent of availability of suitable materials including water etc. and labour (skilled and unskilled) required for work and laws and Regulations governing their use and employment.

- e) The type of equipment and facilities needed preliminary for and in the performance of the work and for successful completion of work.
- f) All other information pertaining to and needed for the work including information as to the risks, contingencies and other circumstances which may influence or effect the work or the cost there of under this contract.
7. The tenderer should note that the information, if any, in regard to the site and local conditions, as contained in this tender document has been given merely to assist the tenderer and is not warranted to be complete. No charges or claims whatsoever consequent upon the lack of any information, knowledge or understanding shall be entertained or payable by this office.
8. During executing of work any loss/Hazard due to any reason for the men and materials will be borne by the contractor. The office of Assistant Director Fisheries will not be responsible for any loss or damage /Hazards.
9. Tenders in the prescribed form attached duly filled-in and signed by the tenderers, should be submitted in a sealed cover super scribed thereon in outer envelope with "TENDER NO. and DATE" AND "TENDER FOR SUPPLY, INSTALLATION/COMPLETE SETUP & COMMISSIONING OF BIOFLOC FISH CULTURING UNIT WITH 05 TANKS" with address of this office & the tenderer. The tenderer shall place two envelopes clearly marked containing **TECHNICAL BID** and **FINANCIAL BID** separately in the main envelope.
10. All Tenders should be sent by Registered Post or via hand delivery at the office of Assistant Director Fisheries, Vikas Bhawan, Rudrapur, Udham Singh Nagar, Uttarakhand 263153 not later than **01:00 PM on 28.01.2021**
11. In the event of the space provided on the schedule form being insufficient for the required purpose, additional pages may be added. Each additional page must be numbered consecutively and be signed in full by the tenderer. In such cases reference to the additional pages must be made in the tender form. If any modification of the schedule is considered necessary, it should be communicated by means of a separate letter along with the tenders. Overwriting/erasing in rates to be quoted by the tenderer will not be allowed otherwise the tenders may be rejected.
- 12. OPENING OF TENDER & TENDERS SCRUTINY:**
- a. The opening of Technical Bids will be done in the presence of the tenderer or their authorized representatives who choose to be present and the Tender Committee will conduct preliminary scrutiny.
- b. The Financial Bids in respect of those Tenderer whose Technical Bids are qualified will be opened in the presence of the tenderer who choose to be present by the Tender committee.
13. The bids will be open in front of Tender committee at Room NO. 20,VikasBhawan, Rudrapur, Udham Singh Nagar, Uttarakhand 263153on dated **28.01.2021 at 03:00 PM**
- 14. Mandatory documents to be attached in Technical Bid -**
- i) GST registration certificate
- ii) PAN Card
- iii) **Proof of experience in aquaculture field - minimum 03 financial years (Please attach PO/Performance Certificate/Bill copy minimum one for one year)**

- iv) Turnover of **Rs 12.00 lakh** during last two year (FY 2017-18 and 2018-19) – Please attach certified audited balance sheet.
- v) Tenderer Basic Details – **As per Schedule A.**
- vi) **Guarantee/Warranty:** For all the equipment supplied/commissioned against manufacturing defect due to bad material/workmanship for a minimum period of **12 months** Where as **PVC Coated Tarpaulin sheet (minimum 1800 gsm)** warranty is for at least **Five years** from the date of satisfactory installation/commissioning. **(Schedule B)**
- vii) Affidavit on non-judicial stamp worth of Rs.100/- for not having blacklisted/debarred by Central/state Govt./PSUs/Autonomous bodies **(Schedule C).**
- viii) Self Declaration regarding unconditional acceptance of the tender **(Schedule D).**
- ix) Offered Specifications. **(Schedule E)**
- x) Declaration regarding capacity building/training for the concerned officials of fisheries department for a minimum period of 7 days with regard to functional and managerial aspects. **(Schedule F)**
- xi) **Tender Fees** - Tender Fees – If tender downloaded from website, then Demand Draft of Rs 1000/- in favor of Assistant Director Fisheries, Udham Singh Nagar OR if tender purchased from office – Original Receipt
- xii) **Earnest money deposit (EMD) of Rs. 18,000** is to be deposited in the form of Fixed Deposit Receipt (FDR) in the favor of **“Assistant Director Fisheries, Udham Singh Nagar”**. Fixed Deposit Receipt should be issued only from any of nationalized bank of India.

The above documents should be submitted intact with tenderer’s signature and seal on every page and any page should not be detached. Failing this, the firm/tenderer will be disqualified on technical ground.

15. Mandatory documents to be attached in Financial Bid

a) Financial Bid (as per schedule G)

The rates quoted by each firm for contract in tenders are given both in words and figures failing which the same is liable to be rejected

- 16. **Maximum Cost of Tender:** The maximum tender cost is **Rs. 6.0 lakh (Rs Six lakh)** including all type of taxes, freight charges, installation charges, etc.
- 17. The Bidders/Tenderer’s whose technical offers are found acceptable and meeting the eligibility requirements as specified in this tender will only be consider for further evaluation process and other bids will be summarily rejected.
- 18. The tenderer qualifying as per above conditions, the tender will be awarded to lowest evaluated tenderer decided by the committee.
- 19. The tender committee does not bind itself to accept the lowest or any particular tender and has the right to refuse any tender without assigning any reason or select any Bidder that is in the final evaluation list.
- 20. As such, the Negotiation, if any, will be held only with the tenderer, whose overall consolidated bid-price is found to be the lowest while awarding the contract, the committee may choose to delete certain items, if their respective bid-prices appear to be unreasonable.
- 21. Preference will be given to state units of Uttarakhand according to Uttarakhand Government Order No. 261/VII-2-14/143-Udhyog/2003 dated 19-03-2014.

22. After issuing the work order to L1 tenderer; if he fails to initiate/complete the mentioned work within the stipulated period, the committee shall negotiate with the other bidders for completing the work at the L1 rates.
23. Tenderer is at liberty to be present or to authorize a representative to be present at the time of opening of the tenders. The name and address of the representative who would be attending the opening of the tenders on tenderer's behalf should be indicated in the tenders (under technical bid envelope).
24. In the event of the offer made by the tenderer not being accepted, the amount of earnest money deposited by the tenderer will be refunded to him after he has applied for the same. The Earnest Money Deposit can be adjusted against performance security for successful bidder.
25. The Tenders are liable for rejection due to the following reasons:
 - a) Incomplete / non-submission of any of the documents sought for.
 - b) Default in the previous transaction.
 - c) Incomplete technical and financial bids submissions
26. **Validity of Bid** -Bids shall be valid for a period of 90 days from the date of opening the Technical bid. The **Office of Assistant Director Fisheries, Udham Singh Nagar** 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.
27. **Validity of Tender** - The rates quoted or Tendered would be valid up to one year from date of approval of tender which can be extended as per mutual discussion of both the parties.
28. **Location for the Supply/Services** -The equipment/machine covered by this document is required to be supplied and installed at **Govt. Fish Seed Production Center, Gularbhoj, Gadarpur, Udham Singh Nagar.**
29. The works will have to be completed within **25 days** from the date of receipt of the respective work order.
30. Successful tenderer should execute an agreement in a **Rs 100/-Non-Judicial e-Stamp Paper** within **10 days** after declaration of bid results/invitation letter.
31. **Installation, Warranty & Support** ---
 - a) Bidder shall be responsible for supply/installation /demonstration wherever applicable and for after sales service during the warranty and thereafter.
 - b) The items covered by the schedule of requirement shall carry minimum 01 years comprehensive warranty from the date of acceptance of the equipment's by Assistant Director Fisheries, Udham Singh Nagar whereas warranty for at least **05 years for PVC Coated Tarpaulin sheet (minimum 1800 gsm)**. Warranty shall include free maintenance of the whole equipment supplied/work done including free replacements wherever applicable. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 72 hours. The warranty is comprehensive includes onsite warranty with parts/repairing works.
 - c) The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. This includes cost,

insurance, freight, custom duty, GST, local taxes etc if any should be borne by the Bidder.

- d) The bidder shall assure the supply of spare parts/repairing works after warranty is over for maintenance of the work done if and when required for a minimum period of 02 years from the date of commissioning on approved price list basis (i.e. additional 2 year after expiry of warranty date).
 - e) The bidder will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc.
 - f) The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools, facilities for worker and all other service required for executing type of work and all other services required for executing the work unless otherwise specially provided for in the contract document. Submission of tender by tenderer implies that he has read this notice and all other contract conditions and has made himself aware of the scope and specification of the work to be done.
32. The Assistant Director Fisheries, Udham Singh Nagar will not be responsible for any loss or damage. Insurance if any required has to be done by contractor at his own cost.
33. The agency to whom the work has been awarded will be the principal employer for the labour force and The Assistant Director Fisheries, Udham Singh Nagar will have no liability in this regard. The Assistant Director Fisheries, Udham Singh Nagar will not be responsible for payment of any compensation to the labourers engaged by him for any sort of things.
34. The Assistant Director Fisheries, Udham Singh Nagar will not provide any accommodation/transportation for the engineers/ representatives for attending installation, commissioning and demonstration work. It is the absolute responsibility of the successful bidder to make their own arrangements.
35. **Standards:** The Assistant Director Fisheries, Udham Singh Nagar in their absolute discretion from time to time shall issue further written instructions, details, directions and explanations which are hereafter collectively referred to as "Instructions" in regards to: -
- A) The variations or modification of the design quality or quantity of works or the addition or omission on any work.
 - B) Any discrepancy in the drawings or between the schedule of quantities or drawings or specifications or dimensions etc.
 - C) The removal or re-execution of any works executed by the successful tenderer or contractor
 - D) The removal from the site of any materials brought thereon by the contractor and the substitution of any other materials therefore or rejection of the material brought on site.
36. No advance payment will be made. 100% payment will be released after receipt of material in good condition, installation, commissioning & on submission of invoice and warranty certificate subject to the condition that all the required formalities are accomplished before submission of bill and has inspected by Departmental officer or any committee formed for this purpose.
37. The GST or any other tax which is as per the rules of the Government shall be deducted at source from bills of the successful tenderer, as per rules/instructions made applicable from time to time by government.

38. The competent authority on behalf of The Assistant Director Fisheries, Udhm Singh Nagar does not bind himself to accept the lowest or any other tender and reserves right to reject any or all of the tenders received without assignment of any reason.
39. All tenders in whom any of the prescribed condition are not fulfilled or are incomplete in any respect are liable to be rejected.
40. Canvassing whether directly or indirectly in connection with tender is strictly prohibited and tenders submitted by the contractors who resort to canvassing will be rejected.
41. Tender documents are not transferable.
42. **RIGHTS RESERVED:** The Tender Accepting Authority reserves the right to reject the tender even after opening of Technical bid or Financial Bid without assigning any reasons whatsoever.
43. Arbitration in respect of all disputes between the agency and the Assistant Director Fisheries, Udhm Singh Nagar shall be referred to the sole arbitrator to be appointed by The Assistant Director Fisheries, Udhm Singh Nagar or Uttarakhand Government. The decision of the sole arbitrator so appointed shall be final and binding on both the parties.
44. Performance security @ 5% of the contract value will be obtained at the award of contract, from the successful contract awardees in the shape of Fixed Deposit Receipt drawn in favor of Assistant Director Fisheries, Udhm Singh Nagar which will be refunded after satisfactory completion of work/ contract.
45. No interest on security deposit and earnest money deposit shall be paid by The Assistant Director Fisheries, Udhm Singh Nagar to the tenderer.
46. Conditional offers are liable to be rejected summarily.
47. The Assistant Director Fisheries, Udhm Singh Nagar reserves all the right to accept or reject any of the tender without assigning any reasons thereof.

Dated _____

(Signature & Seal of Tenderer)

SCHEDULE A

Tenderer/Bidder Basic Details

1.	Name of the Tenderer	
2.	Full Address of the Tenderer business address along with Telephone No. Mobile No. Email	
3.	Are you a manufacturer or Dealer or contractor	
4.	If dealer please attach certificate from principal company showing validity of certificate	
5.	For Tenderer having experience in aquaculture	
(i)	Name of works done in last two financial years	
(ii)	Number of works done in aquaculture field during last 03 financial years (Please attach copy of PO as per technical bid, minimum 2)	
6.	GST Registration number with place	
7.	For Dealers	
(i)	Original Manufacturer Name	
(ii)	Original Manufacturer Address	

Signature and Seal of Tenderer

SCHEDULE "B"

UNDERTAKING ON LETTER HEAD OF TENDERING FIRM

I/We M/s.....
undertake one year Guarantee for all the equipment supplied/commissioned against manufacturing defect due to bad material/workmanship, whereas undertake guarantee for five year of PVC Coated Tarpaulin sheet (minimum 1800 GSM) from the date of satisfactory installation/commissioning.

Signature and Seal of Tenderer

SCHEDULE 'C'

UNDERTAKING ON AFFIDAVIT ON NON-JUDICIAL STAMP WORTH OF RS.100/-

I/We hereby confirm and declare that we,
M/S _____, is
not blacklisted/ De-registered/debarred by any Government department/Public Sector Undertaking/ Private Sector/or any other agency for which we have Executed/Undertaken the works/ Services.

Signature and Seal of Tenderer

SCHEDULE "D"

Self-Declaration regarding unconditional acceptance of the tender (on letter head of firm)

I/We hereby confirm and declare that we, M/S _____, have carefully read & understood all the terms & condition of tender no. /District Plan/Biofloc/2020-21 datedand thereby I/We are agree with all the conditions of the foresaid tender and thereby I/We are submitting our tender/bids.

For correspondence -

e -mail:

Mobile Number:

Address:

Signature & Seal/stamp of Authorized Signatory

SCHEDULE "E" (Required/Offered Specification)

S. No.	Requirement		Offered Specification
	Specification		
1.	TARPAULIN	For 05 Tanks	
1.1	Tarpaulin	PVC coated Tarpaulin Sheet 4 meter diameter, 1.5 meter height for 05 Tanks	
1.2	Tarpaulin Grade	Minimum 1800 GSM	
1.3	Overall Thickness	45 to 55 mil	
1.4	Thickness over scrim	25 to 30 mil	
1.5	Warranty	Minimum 05 years	
1.6	Water holding Capacity of each Tank	15000 Liters	
1.7	Usage	For the Establishment/Set up of Biofloc Fish culturing Tanks Unit.	
1.8	Minimum Warranty	05 Years	
2.	Bore well Pump	01 No.	
2.1	Size	Bore well size minimum 4B, 3 HP	
2.2	Certification	ISO certified	
2.3	Motor type	Water filled	
2.4	Winding	Copper type	
2.5	Minimum Warranty	01 Year	
3.	Air Blower	02 No.	
3.1	Type	Ring Type Air Blower, cent percent oil free, maintenance free, robust aluminum design to make them highly resistant against corrosion.	
3.2	Motor Rating	1 HP, Single Phase	
3.3	Pressure	High pressure	
3.4	Flow Rate	1000-3000 cfm	
3.5	Voltage	415 V/240 V AC 50/60 Hz	
3.6	Warranty	Minimum 01 years	
4.	Power Generator	01 No.	
4.1	Power	2 KVA	
4.2	Fuel Type	Petrol or Diesel	
4.3	Brand	--	
4.4	Noise	Silent or with minimum noise	
4.5	Certification	ISI	
4.6	Minimum Warranty	01 Year	
5.	PVC pipe fittings for air, water and drainage system		
5.1	PVC Type	U PVC (Class3) for supply and drain line	
5.2	Pressure	6Kg/cm ²	
5.3	Quantity	As Required	
5.4	Specification	IS 4985: 2000 of ISI Specification	
5.5	Other	<ul style="list-style-type: none"> • Pipe should be made of virgin unplasticized poly vinyl chloride. • The colour code marking in the pipe for above pressure is green. • Pipe should be marked with: <ol style="list-style-type: none"> 1) Manufacturer's name or trade-mark, 2) Outside diameter. 3) Class of pipe and pressure rating. 4) Batch or lot number, and 	

		5) The word plumbing in the case of plumbing pipes	
5.6	Minimum Warranty	01 Year	
6.	Set up of 200 m sq Shed including fixation, labour and material etc.(The shed will consist of Green net with tarpaulin on iron or steel frame)		
6.1	Shed roof material	Green net and tarpaulin sheet	
6.2	Stand	Iron or Steel	
6.3	Slope	Minimum 3 degree or as an required	
6.4	Colour	Blue or Green	
6.5	Quantity	As required	
6.6	Tarpaulin thickness	Minimum GSM- 150	
6.7	Tarpaulin Size	6×4m or as required	
6.8	Tarpaulin manufacturing	according to IS: 7903: 2005 Standard	
6.9	Tarpaulin other specification	Multi-layered polymer coatings, exceptionally resilient, excellent impact and puncture resistance, High tensile tear strength ratings, ideal for all-weather outdoor applications	
6.6	Minimum Warranty of green net, iron Frame and tarpaulin	01 Year	
7	Other Works	As and required	
8	Services	Provide free service during warranty period	
9	Other Requirements	05 Biofloc Tanks will be set up/constructed /installed by the successful tenderer and after installation will train the Department of Fisheries employee/official for the Functional and managerial aspects of biofloc unit. (Training period minimum 7 days)	

SCHEDULE "F"

UNDERTAKING ON LETTER HEAD OF TENDERING FIRM

I/We M/s.....
hereby undertake that after reward of tender to us, and thereafter complete setup/commissioning of biofloc unit at the site, on-site training will be provide by us for the skill development of concerned officials of fisheries department. with regard to functional and managerial aspects of biofloc units for a period of 7 days. (Schedule F)

Signature and Seal of Tenderer

FINANCIAL BID

(This financial bid to be enclosed in a separate envelope with seal)

To

**The Assistant Director Fisheries
Udham Singh Nagar**

Sir,

I/We wish to submit our Tender for "SUPPLY, INSTALLATION/COMPLETE SET UP & COMMISSIONING OF BIOFLOC FISH CULTURING UNIT WITH 05 TANKS" on the following rates: -

S. No	Particulars	Qty (in nos.)	Total F.O.R./ On site Price
1	2	3	4
1	Supply, Installation/Complete Set Up & Commissioning Of Biofloc Fish Culturing Unit With 05Tanks Including Shed of 200 sqm, Bore well of 3 HP, Power Generator 2 KVA, Air blower of 01 HP- 02, PVC pipe fitting for water supply, Training to departmental officials of 7 days, warranty (as an required in tender form), etc	01	
2		Total	
3		GST applicable @%	
4		GRAND TOTAL	

Total Amount (as per Sr..No. 4) in words

.....

Signature of Tenderer

I/We agree to forfeiture of the earnest money, if I/we fail to comply with any of the terms and conditions in whole or in part lay down in the Tender form.

I/We have carefully read the terms and conditions of the Tender and are agreed to abide by these in letter and spirit.

Signature _____

Name & Address of the Firm _____

Mobile No. _____

E-mail _____

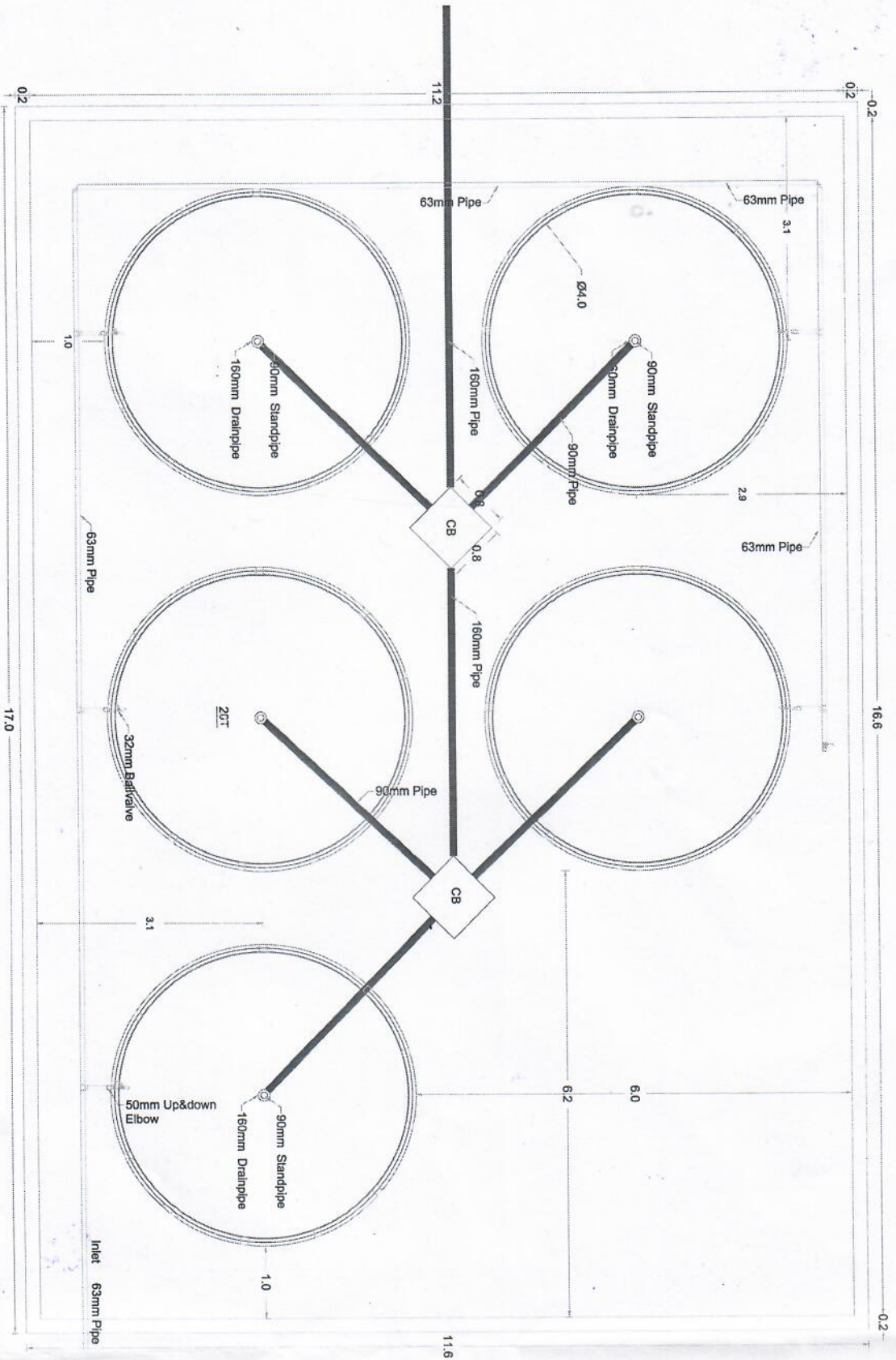
Name of Firm's Bank _____

Name of Bank Branch _____

Bank Account No. _____

IFSC Code _____





PVC Biofloc Tank-Plan

Note-Supply & Drain Pipe-UPVC Schedu

Client :

Trout Federation

Project:

Hilly Area pond

marketxcel

Market Xcel Aqua Kula Aqua Pte. Ltd.
#16, Lorong Seng Ngai, 1st Floor - 110005
www.marketxcel.com

PWCF - UKCDP



KULA AQUA
CONSULTANT PVT LTD
www.kulaaqua.com

Regional Association
G1-2 Asset Protection Agreement,
UtaraBandar 28001

TITLE :

PVC Biofloc Tank - Plan Layout

SURVEYED BY : KS

DRAWN BY : A.S.H

CHECKED BY : Degan

APPROVED BY : Akhwy

LEGEND :

REV. DATE

DESCRIPTION

SCALE :- ALL DIMENSIONS ARE IN METRE

Date : 23-09-2020