



**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
**Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions  
Travaux publics et Services gouvernementaux  
Canada**  
800 Burrard Street, Room 219  
800, rue Burrard, pièce 219  
Vancouver, BC V6Z 0B9

**REQUEST FOR PROPOSAL  
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government  
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services  
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

**Comments - Commentaires**

<b>Title - Sujet</b> Fibreglass Rearing Tubs	
<b>Solicitation No. - N° de l'invitation</b> F1700-166121/A	<b>Date</b> 2017-07-11
<b>Client Reference No. - N° de référence du client</b> F1700-166121	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$VAN-532-8107	
<b>File No. - N° de dossier</b> VAN-7-40005 (532)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2017-08-22</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Pacific Daylight Saving Time PDT	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Takasaki, Alan H.	<b>Buyer Id - Id de l'acheteur</b> van532
<b>Telephone No. - N° de téléphone</b> (604) 671-1831 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF FISHERIES AND OCEANS Chelhalis River Hatchery 16250 Morris Valley Rd. Agassiz British Columbia V0M 1A1 Canada	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

**Vendor/Firm Name and Address**

**Raison sociale et adresse du  
fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**

Public Works and Government Services Canada - Pacific  
Region  
219 - 800 Burrard Street  
800, rue Burrard, pièce 219  
Vancouver, BC V6Z 0B9

<b>Delivery Required - Livraison exigée</b> See Herein	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

---

**TABLE OF CONTENTS**

<b>TITLE: CIRCULAR REARING TUBS .....</b>	<b>3</b>
<b>PART 1 - GENERAL INFORMATION.....</b>	<b>3</b>
1.1 INTRODUCTION .....	3
1.2 SUMMARY .....	3
1.3 DEBRIEFINGS.....	4
<b>PART 2 - BIDDER INSTRUCTIONS.....</b>	<b>5</b>
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS.....	5
2.2 SUBMISSION OF BIDS .....	5
2.3 ENQUIRIES - BID SOLICITATION.....	5
2.4 APPLICABLE LAWS.....	5
2.5 IMPROVEMENT OF REQUIREMENT DURING SOLICITATION PERIOD.....	5
<b>PART 3 - BID PREPARATION INSTRUCTIONS.....</b>	<b>6</b>
3.1 BID PREPARATION INSTRUCTIONS.....	6
<b>PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION.....</b>	<b>7</b>
4.1 EVALUATION PROCEDURES .....	7
4.2 BASIS OF SELECTION .....	12
<b>PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION.....</b>	<b>12</b>
5.1 CERTIFICATIONS REQUIRED WITH THE BID.....	12
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION.....	12
<b>PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS .....</b>	<b>13</b>
6.1 FINANCIAL CAPABILITY .....	13
<b>PART 7 - RESULTING CONTRACT CLAUSES .....</b>	<b>13</b>

7.1	REQUIREMENT .....	13
7.2	STANDARD CLAUSES AND CONDITIONS.....	15
7.3	SECURITY REQUIREMENTS .....	15
7.4	TERM OF CONTRACT .....	15
7.5	AUTHORITIES.....	16
7.6	PAYMENT .....	17
7.7	INVOICING INSTRUCTIONS.....	18
7.8	CERTIFICATIONS AND ADDITIONAL INFORMATION.....	18
7.9	APPLICABLE LAWS.....	19
7.10	PRIORITY OF DOCUMENTS .....	19
7.11	INSURANCE.....	19
7.12	EXCESS GOODS.....	19
	<b>ANNEX A.....</b>	<b>20</b>
	REQUIREMENT .....	20
	<b>ANNEX B.....</b>	<b>27</b>
	BASIS OF PAYMENT.....	27
	<b>ANNEX C.....</b>	<b>30</b>
	FISH REARING TUB- DRAWING.....	30
	<b>ANNEX D.....</b>	<b>31</b>
	REQUISITION ON CONTRACT (ROC) FORM .....	31
	<b>ANNEX E TO PART 5 OF THE BID SOLICITATION .....</b>	<b>32</b>
	FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY – CERTIFICATION.....	32
	<b>FORM A – BID SUBMISSION FORM.....</b>	<b>33</b>

**Title: Circular Rearing Tubs**

**PART 1 - GENERAL INFORMATION**

**1.1 Introduction**

The bid solicitation is divided into seven parts plus attachments and annexes, as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications: includes the certifications to be provided;
- Part 6 Security, Financial and Other Requirements: includes specific requirements that must be addressed by bidders; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Requirement, the Basis of Payment, the Requisition on Contract (ROC), and the Federal Contractors Program for Employment Equity, Form and any other annexes.

**1.2 Summary**

1.2.1 Department of Fisheries and Ocean requires the supply and fabrication of various quantities of circular rearing tubs with an initial order, to be delivered by November 30, 2017 and various sized Fish Tubs, on an "as and when requested" basis. Assembly and installation is not required and will be performed by DFO. The delivery of the Fish tubs, will be to the Chehalis Fish Hatchery, 16250 Morris Valley Road, Agassiz, BC Canada. The contract will be for a period of one year with the option of two 1 year extension periods.

**A. Initial Order**

Description	Qty	Drain Line Diameter ("Z" in DWG)
4' diameter x 3' height	5	2"
10' diameter x 4' height	9	4"
16' diameter x 4' height	8	6"
20' diameter x 5' height	4	6"

## B. Other tubs not identified in the Initial order

As it is uncertain what sizes and quantities of tubs, DFO will purchase over the next 3 years, a quantity of 1 will be used in the Financial Evaluation.

Description	Drain Line Diameter ("Z" in DWG)
3' diameter x 2' height	2"
3' diameter x 3' height	2"
4' diameter x 2' height	2"
4' diameter x 4' height	2.5"
5' diameter x 3' height	2.5"
5' diameter x 4' height	2.5"
6' diameter x 3' height	3"
6' diameter x 3.8' height	3"
6' diameter x 4' height	3"
7' diameter x 4' height	3"
8' diameter x 3' height	2.5"
8' diameter x 4' height	4"
9' diameter x 4' height	4"
12' diameter x 4' height	4"
14' diameter x 5' height	4"
16' diameter x 5' height	6"
26' diameter x 6.5' height	6"
30' diameter x 4' height	8"
30' diameter x 5' height	8"
30' diameter x 6' height	8"
30' diameter x 8' height	8"

Canada is under no obligation to purchase all or any of the fish tubs, stated above.

Subject to operational needs and funding, it is estimated that DFO will spend up to \$900,000.00 (Taxes not included) within the next 3 years.

- 1.2.2 "The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT)."
- 1.2.3 "The Federal Contractors Program (FCP) for employment equity applies to this procurement; see Part 5 – Certifications and Additional Information, Part 7 - Resulting Contract Clauses and the annex titled [Federal Contractors Program for Employment Equity - Certification.](#)"

### 1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

### 1.4 Best Delivery Date (for Initial Order)

While delivery is requested by November 30, 2017, the best delivery that could be offered is \_\_\_\_\_

## **PART 2 - BIDDER INSTRUCTIONS**

### **2.1 Standard Instructions, Clauses and Conditions**

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2017-04-27) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days  
Insert: 120 days

### **2.2 Submission of Bids**

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

**Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.**

### **2.3 Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than 14 calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

### **2.4 Applicable Laws**

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in British Columbia.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

### **2.5 Improvement of Requirement during Solicitation Period**

Should bidders consider that the specifications or Statement of Work contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the

---

Contracting Authority at least 20 days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

### **PART 3 - BID PREPARATION INSTRUCTIONS**

#### **3.1 Bid Preparation Instructions**

Canada requests that Bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (3 hard copies) and 1 soft copy (thumb drive preferred)

Section II: Financial Bid (2 hard copies)

Section III: Certifications (1 hard copy)

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

#### **Section I: Technical Bid**

In their technical bid, Bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should demonstrate their capability in a thorough, concise and clear manner for carrying out the work.

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that Bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, Bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

**Bid Submission Form:** Bidders are requested to include the Bid Submission Form with their bids. It provides a common form in which bidders can provide information required for evaluation and contract award. Using the form to provide this information is not mandatory, but it is recommended. If Canada determines that the information required by the Bid Submission Form is incomplete or requires correction, Canada will provide the Bidder with an opportunity to do so.

## **Section II: Financial Bid**

**3.1.1** Bidders must submit their financial bid in Canadian funds, in accordance with the Basis of Payment in Annex "B".

### **3.1.2 Exchange Rate Fluctuation**

The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

### **3.1.3 Additional Bidder's Instructions**

**3.1.3.1** Bidders are not required to bid on all tub sizes.

**3.1.3.2** For each tub size, to be compliant, bidders must provide pricing in accordance with Annex B, for the Initial order, and for all future orders in the contract period, option period 1 and option period 2

**3.1.3.3** Delivery and Unloading Costs must be FOB destination to

Fisheries and Oceans Canada  
Chehalis River Hatchery  
RR#1 16250 Morris Valley Road  
Agassiz, BC VOM 1A1

## **Section III: Certifications**

Bidders must submit the certifications required under Part 5.

## **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

### **4.1 Evaluation Procedures**

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

#### **4.1.1 Technical Evaluation**

##### **4.1.1.1. Mandatory Technical Criteria**

- a. Each bid will be reviewed for compliance with the mandatory requirements of the bid solicitation. Any elements of the bid solicitation that are identified specifically with the words "must" or "mandatory" is a mandatory requirement. Bids that do not comply with each and every mandatory requirement will be declared non-responsive and be disqualified.
- b. The mandatory requirements are described in Annex A

#### **4.1.2 Financial Evaluation**

##### **4.1.2.1 Mandatory Financial Criteria**

*SACC Manual* Clause A0220T (2014-06-26), Evaluation of Price

##### **4.1.2.2 Financial Evaluation**

---

**A. Initial order, Contract Period, Option year 1 and 2-Table B.1(Annex B)**

The tubs will be evaluated as follows:

1. Each Tub Listed in Table B.1 of Annex B, will be evaluated independently.
2. An average will be taken of the tubs for the Contract period, Option year 1 and 2, and added to the Initial order for Financial Evaluation.
3. The Contractor with the lowest evaluated priced technically compliant bid for each tub, will be awarded a Contract.

**B. Other tubs-Table B.2 (Annex B)**

The tubs, fiberglass lids and mesh lids will be evaluated as follows:

1. Since DFO does not know the quantities that will be ordered over the Contract period and the optional period 1 and 2, the financial calculation will be based on one (1) tub.
2. Each Tub listed in Annex B, Table B.2, will be evaluated independently.
3. The Contractor with the lowest evaluated average price of technically compliant bid for each tub will be awarded a Contract.

**4.1.2.3 Financial Calculation**

**1. Quantity**

- a. **Initial Order:** In accordance with the quantities listed in Table B.1 of Annex B
- b. **During the Contract periods, Option period 1 and 2:** As it is uncertain what sizes and quantities of tubs, DFO will purchase over the next 3 years, a quantity of one (1) will be used for evaluation purposes only.

**2. Financial Calculation**

**a. Initial Order Formula (Table 2):**

- i. Financial Evaluation Price (FEP) =  $((Qty(q) \times A) + (B)) + ((C + D + E + F + G + H) \times 1) \div 3$

**b. Other tubs sizes Formula (Table 2.1):**

- i. Financial Evaluation Price (FEP) =  $((C + D + E + F + G + H) \times 1) \div 3$

**c. Limitation of Expenditure (LOE) Calculation**

**i Initial Order (not including future orders): Table 3**

$$LOE = (q) \times (A + B)$$

**ii. Future Orders: Table 3.1**

$$LOE (J) \text{ (for each tub size)} = ((C + D + E + F + G + H) \times 1) \div 3 / \text{Subtotal 3.1 of Table 3.1} \times \$300,000$$

**d. LOE at contract award Calculation: Table 3.2**

- i. LOE (contract) =  $SUM (\text{Initial Order LOE (I)}) \times 1.05 (\text{GST}) + SUM (\text{Future orders LOE (J)})$

**Example - Financial Evaluation Calculation**

**Table 1 INITIAL ORDER – Pricing for Initial Order and pricing for future tubs with shipping and unloading (S&U) costs for 1 unit**

Description	Initial Order				Contract Period				Option Period 1				Option Period 2			
	(A) Firm unit price	(B) Firm ceiling lot price – Shipping and unloading	(C) Firm unit price	(D) Firm ceiling unit price – Shipping and unloading	(E) Firm unit price	(F) Firm ceiling unit price – Shipping and unloading	(G) Firm unit price	(H) Firm ceiling unit price – Shipping and unloading	(I) Firm unit price	(J) Firm ceiling unit price – Shipping and unloading	(K) Firm unit price	(L) Firm ceiling unit price – Shipping and unloading	(M) Firm unit price	(N) Firm ceiling unit price – Shipping and unloading	(O) Firm unit price	(P) Firm ceiling unit price – Shipping and unloading
4' diameter x 3' height	5	\$7000	\$1400	\$400	\$7000	\$400	\$7100	\$450	\$7200	\$500	\$9400	\$600	\$15600	\$650	\$19000	\$2200
10' diameter x 4' height	9	\$9000	\$3600	\$500	\$9000	\$500	\$9200	\$550	\$9400	\$600	\$15300	\$600	\$15600	\$650	\$19000	\$2200
16' diameter x 4' height	8	\$15000	\$3800	\$550	\$15000	\$550	\$15300	\$600	\$15600	\$650	\$19500	\$700	\$20000	\$1400		
20' diameter x 5' height	4	\$19000	\$2200	\$650	\$19000	\$650	\$19500	\$700	\$20000	\$1400						

**Table 1.1 – OTHER TUBS - pricing for future tub costs for 1 unit**

Description	Contract Period			Option Period 1			Option Period 2			
	(C) Firm unit price	(D) Firm ceiling lot cost (S&U)	(E) Firm unit price	(F) Firm ceiling lot cost (S&U)	(G) Firm unit price	(H) Firm ceiling lot cost (S&U)	(I) Firm unit price	(J) Firm ceiling lot cost (S&U)	(K) Firm unit price	
3' diameter x 2' height	\$6000	\$400	\$6100	\$450	\$6200	\$500	\$6300	\$450	\$6350	\$500
3' diameter x 3' height	\$6250	\$400	\$6300	\$450	\$6350	\$500	\$6800	\$450	\$6900	\$500
4' diameter x 2' height	\$6800	\$400	\$6850	\$450	\$7300	\$500	\$7200	\$450	\$7300	\$500
4' diameter x 4' height	\$7200	\$400	\$7250	\$450	\$7600	\$525	\$7500	\$470	\$7600	\$525
5' diameter x 3' height	\$7500	\$425	\$7550	\$470						

**1. FINANCIAL EVALUATION PRICE CALCULATION (FEP)**

**Table 2 – INITIAL ORDER – FEP calculation for the initial order**

#	Description	Initial Order-Subtotal 1		Contract Period, Option Period 1 and 2-Subtotal 2	Subtotal 3
		Qty (q)	initial order (I)		
1	4' diameter x 3' height	5	\$36400	\$7550	\$43950
2	10' diameter x 4' height	9	\$84600	\$9750	\$94350
3	16' diameter x 4' height	8	\$123800	\$15900	\$139700
4	20' diameter x 5' height	4	\$78200	\$20417	\$98617

**Table 2.1 – OTHER TUBS - Financial evaluation calculation for other tubs -FEP**

Item #	Description	Contract Period, Option Period 1 and 2-Subtotal 2.2	Financial Evaluation ((C+D+E+F+G+H) x1) ÷ 3
5	3' diameter x 2' height	\$19650	\$6550
6	3' diameter x 3' height	\$20250	\$6750
7	4' diameter x 2' height	\$21900	\$7300
8	4' diameter x 4' height	\$23100	\$7700
9	5' diameter x 3' height	\$24069	\$8023

**2. LIMITATION OF EXPENDITURE (LOE)**

**Table 3 – INITIAL ORDER – for firm quantity – LOE calculation**

item #	Description	Qty (Q)	initial order – LOE (I) GST not included
1	4' diameter x 3' height	5	\$36400
2	10' diameter x 4' height	9	\$84600
3	16' diameter x 4' height	8	\$123800
4	20' diameter x 5' height	4	\$78200

**Table 3.1 OTHER TUBS –for future fish tubs – LOE calculation**

Item #	Description	Average cost of 1 tub Table 2 FEP(I)	LOE calculation based on \$300000 LOE(J)
1	4' diameter x 3' height	\$7550	\$25183
2	10' diameter x 4' height	\$9750	\$32522
3	16' diameter x 4' height	\$15900	\$53035
4	20' diameter x 5' height	\$20417	\$68102
5	3' diameter x 2' height	\$6550	\$21848
6	3' diameter x 3' height	\$6750	\$22515
7	4' diameter x 2' height	\$7300	\$24350
8	4' diameter x 4' height	\$7700	\$25684
9	5' diameter x 3' height	\$8023	\$26761
<b>Subtotal 3.1</b>		<b>\$89940</b>	

**Table 3.2- Aggregate ROC calculation at contract award (Including option year calculations) EXAMPLE**

	Formula-To calculate Estimate Limitation of Expenditure for each contract
Bidder 1	Lowest bid for item 1,2 and 5 =sum (Table 3(Initial Order (I) for items 1 and 2) * 1.05 + sum (Table 3.1 LOE (J) for items 1,2 and 5) =(36400+84600)*1.05+(25183+32522+21848) Est LOE = \$206603
Bidder 2	Lowest bid for item 3,4 and 6 =sum (Table 3(initial Order(I) for items 3 and 4) * 1.05 + sum (Table 3.1 LOE (J) for items 3,4 and 6) =(123800+78200) x 1.05 +(53035+68102+22515) Est LOE = \$355752
Bidder 3	Lowest bid for 7,8 and 9 =sum (Table 3.1 LOE (J) for item 7,8 and 9 = sum( 24350+25684+26761) Est LOE= \$76795

## 4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet the mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

### 4.2.1 Mandatory Technical Criteria

*SACC Manual* Clause A0031T (2010-08-16), Basis of Selection – Mandatory Technical Criteria

## PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue, whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

## 5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

### 5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politiquepolicy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, to be given further consideration in the procurement process.

## 5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame specified will render the bid non-responsive.

### 5.2.1 Integrity Provisions – Required Documentation

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politiquepolicy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

### 5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's website](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed) ([http://www.esdc.gc.ca/en/jobs/workplace/human\\_rights/employment\\_equity/federal\\_contractor\\_program.page?&\\_ga=1.229006812.1158694905.1413548969#afed](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed)).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed Annex E - Federal Contractors Program for Employment Equity - Certification, before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

## **PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS**

### **6.1 Financial Capability**

SACC *Manual* clause A9033T (2012-07-16) Financial Capability

## **PART 7 - RESULTING CONTRACT CLAUSES**

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

### **7.1 Requirement**

The Contractor must provide the supply and deliver Circular Fish Rearing Tub on an "as and when required" basis and the initial order (*will be removed from the contract if not applicable*) to the Department of Fisheries and Oceans, Chehalis River Hatchery. In accordance with the Requirement at Annex **A** and the Contractor's technical bid entitled \_\_\_\_\_, dated \_\_\_\_\_.

The assembly and installation is not required.

#### **7.1.2 Requisition on Contract**

The Work or a portion of the Work to be performed under the Contract will be on an "as and when requested basis" using a Requisition on Contract (ROC). The Work described in the ROC must be in accordance with the scope of the Contract.

##### **7.1.2.1 Requisition on Contract Process:**

1. The Project Authority will provide the Contractor with a description of the task using the "Requisition on Contract" form specified in Annex D.
2. The Requisition on Contract (ROC) will contain the details of the activities to be performed, a description of the deliverables, and a schedule indicating completion dates for the major activities or submission dates for the deliverables. The ROC will also include the applicable basis (bases) and methods of payment as specified in the Contract.
3. The Contractor must provide the Project Authority, within 7 calendar days of its receipt, the proposed total estimated cost for performing the task and a breakdown of that cost, established in accordance with the Basis of Payment specified in the Contract.
4. The Contractor must not commence work until a ROC authorized by the Project Authority has been received by the Contractor. The Contractor acknowledges that any work performed before a ROC has been received will be done at the Contractor's own risk.

##### **7.1.2.2 Requisition on Contract Limit**

The Project Authority may authorize individual Requisition on Contracts up to a limit of \$40,000.00, Applicable Taxes included, inclusive of any revisions.

---

Any Requisition on Contract to be issued in excess of that limit must be authorized by the Project Authority and the Contracting Authority before issuance.

**7.1.2.3 Minimum Work Guarantee - All the Work - Requisition on Contracts** *(will not apply and will be removed for contract that are awarded all or part of the initial order)*

1. In this clause,
2. "Maximum Contract Value" means the amount specified in the "Limitation of Expenditure" clause set out in the Contract; and
3. "Minimum Contract Value" means 10% of the Maximum Contract Value
4. Canada's obligation under the Contract is to request Work in the amount of the Minimum Contract Value or, at Canada's option, to pay the Contractor at the end of the Contract in accordance with paragraph 3. In consideration of such obligation, the Contractor agrees to stand in readiness throughout the Contract period to perform the Work described in the Contract. Canada's maximum liability for work performed under the Contract must not exceed the Maximum Contract Value, unless an increase is authorized in writing by the Contracting Authority.
5. In the event that Canada does not request work in the amount of the Minimum Contract Value during the period of the Contract, Canada must pay the Contractor the difference between the Minimum Contract Value and the total cost of the Work requested.
6. Canada will have no obligation to the Contractor under this clause if Canada terminates the Contract in whole or in part for default.

**7.1.2.4 Periodic Usage Reports - Contracts with Requisition on Contracts**

The Contractor must compile and maintain records on its provision of services to the federal government under authorized Requisition on Contracts issued under the Contract.

The Contractor must provide this data in accordance with the reporting requirements detailed below if some data is not available, the reason must be indicated. If services are not provided during a given period, the Contractor must still provide a "nil" report.

The data must be submitted on a quarterly basis to the Contracting Authority.

The quarterly periods are defined as follows:

- 1st quarter: April 1 to June 30;
- 2nd quarter: July 1 to September 30;
- 3rd quarter: October 1 to December 31; and
- 4th quarter: January 1 to March 31.

The data must be submitted to the Contracting Authority no later than 30 calendar days after the end of the reporting period.

**Reporting Requirement- Details**

A detailed and current record of all Requisition on Contracts (ROC) must be kept for each contract with a Requisition on Contract process. This record must contain

**For each authorized ROC:**

The authorized ROC number or ROC revision number(s);

- 
- i. a title or a brief description of each authorized ROC;
  - ii. the total estimated cost specified in the authorized Task Authorization (ROC) of each task, exclusive of Applicable Taxes;
  - iii. the total amount, exclusive of Applicable Taxes, expended to date against each authorized task;
  - iv. the start and completion date for each authorized ROC; and
  - v. the active status of each authorized ROC, as applicable.

**For all authorized ROCs:**

- i. the amount (exclusive of Applicable Taxes) specified in the contract (as last amended, as applicable) as Canada's total liability to the contractor for all authorized ROCs; and
- ii. the total amount, exclusive of Applicable Taxes, expended to date against all authorized ROCs

**7.2 Standard Clauses and Conditions**

All clauses and conditions identified in the Contract by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual(<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

**7.2.1 General Conditions**

2030 (2016-04-04), General Conditions - Higher Complexity - Goods, apply to and form part of the Contract.

**7.3 Security Requirements**

**7.3.1** There is no security requirement applicable to this Contract.

**7.4 Term of Contract**

**7.4.1 Period of the Contract**

The period of the Contract is from date of Contract to (to be inserted at contract award for a one year period) inclusive.

**7.4.2 Option to Extend the Contract**

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to 2 additional 1 year period(s) under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor at least 15 calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

**7.4.3 Delivery and Unloading**

1. Delivery trucks must be equipped with an unloading device which will permit unloading at sites with no hydraulic, stationary or other type of unloading facility.
2. When making deliveries, sufficient personnel must be provided to permit unloading of any type of vehicle without the assistance of federal government personnel.

N° de l'invitation - Solicitation No.  
F1700-166121/A  
N° de réf. du client - Client Ref. No.  
F1700-166121

N° de la modif - Amd. No.  
File No. - N° du dossier  
VAN-7-40005

Id de l'acheteur - Buyer ID  
VAN532  
N° CCC / CCC No./ N° VME - FMS

- 
3. At some sites, the delivery truck must be unloaded while parked at the curb. When material is placed on the sidewalk, it must be placed in proximity to the designated entrance so as to be readily accessible to transport by mechanical handling equipment utilized by site personnel.

#### 7.4.4 Delivery Date

1. The Initial order must be received on or before \_\_\_\_\_.
2. Quantities estimated over the life of the Contract of various sized Fish Tubs (Table 2)

#### 7.4.5 Shipping Instructions

FOB Destination, Fisheries and Oceans Canada (DFO) Chehalis River Hatchery located in Agassiz, British Columbia, including all delivery charges, permits, customs duties and applicable taxes.

#### 7.4.6 Inspection and Acceptance

The Technical Authority is the inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

### 7.5 Authorities

#### 7.5.1 Contracting Authority

The Contracting Authority for the Contract is:  
Al Takasaki  
Contracting Officer  
Public Works and Government Services Canada  
Acquisitions Branch

Address: Room 219 - 800 Burrard Street,  
Vancouver, B.C. V6Z 0B9

Telephone: 604-671-1831  
E-mail address: al.takasaki@pwgsc-tpsgc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

#### 7.5.2 Project Authority

The Project Authority for the Contract is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_

Telephone: \_\_\_\_-\_\_\_\_-\_\_\_\_ Facsimile: \_\_\_\_-\_\_\_\_-\_\_\_\_  
E-mail address: \_\_\_\_\_

In their absence, the Project Authority is:

N° de l'invitation - Solicitation No.  
F1700-166121/A  
N° de réf. du client - Client Ref. No.  
F1700-166121

N° de la modif - Amd. No.  
File No. - N° du dossier  
VAN-7-40005

Id de l'acheteur - Buyer ID  
VAN532  
N° CCC / CCC No./ N° VME - FMS

---

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_

Telephone: \_\_\_\_-\_\_\_\_-\_\_\_\_ Facsimile: \_\_\_\_-\_\_\_\_-\_\_\_\_  
E-mail address: \_\_\_\_\_

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority; however, the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

### 7.5.3 Contractor's Representative

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_

Telephone: \_\_\_\_-\_\_\_\_-\_\_\_\_ Facsimile: \_\_\_\_-\_\_\_\_-\_\_\_\_  
E-mail address: \_\_\_\_\_

## 7.6 Payment

### 7.6.1 Payment - Initial Order *(will not apply and will be removed for contract that are not awarded all or part of the initial order)*

#### 7.6.1.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s) as specified in Annex B for a cost of \$\_\_\_\_\_ *(to be determined at contract award)*. Customs duties are included, and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

#### 7.6.1.2 Limitation of Expenditure

The Contractor will be reimbursed for the costs reasonably and properly incurred in the performance of the Work, as determined in accordance with the Basis of Payment in Annex B, to a limitation of expenditure of \$\_\_\_\_\_ *(to be determined at contract award)*. Customs duties are included and Applicable Taxes are extra.

### 7.6.2 Payment - Requisition on Contract (ROC) (all orders other than initial order)

#### 7.6.2.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the authorized Requisition on Contracts (ROC), the Contractor will be paid the firm unit price(s) in accordance with the basis of payment, in Annex B, as specified in the authorized ROC. Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been authorized, in writing, by the Contracting Authority before their incorporation into the Work.

---

**Competitive Award:** The Contractor acknowledges that the Contract has been awarded as a result of a competitive process. No additional charges will be allowed to compensate for errors, oversights, misconceptions or underestimates made by the Contractor when bidding for the Contract.

#### **7.6.2.2 Limitation of Expenditure - Cumulative Total of all Requisition on Contract (ROC)**

1. Canada's total liability to the Contractor under the Contract for all authorized Requisition on Contracts (ROCs), inclusive of any revisions, must not exceed the sum of \$To be determined at contract award Customs duties are included and Applicable Taxes are included.
2. No increase in the total liability of Canada will be authorized or paid to the Contractor unless an increase has been approved, in writing, by the Contracting Authority.
3. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:
  - a. when it is 75 percent committed, or;
  - b. four (4) months before the contract expiry date, or;
  - c. as soon as the Contractor considers that the sum is inadequate for the completion of the Work required in all authorized ROCs, inclusive of any revisions; whichever comes first.
4. If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority, a written estimate for the additional funds.

#### **7.6.3 Method of Payment**

SACC Clause H1000C (2008-05-12) Single payment  
SACC Clause H1001C (2008-05-12) Multiple payments

#### **7.6.4 Prepaid Transportation Costs (for multiple Fish tub orders)**

The Contractor must prepay transportation costs. Prepaid transportation costs must be shown as a separate item on the invoice, supported by a certified copy of the prepaid transportation bill of lading. All prices include transportation costs. See B3, shipping and unloading costs.

#### **7.7 Invoicing Instructions**

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

Each invoice must be supported by:

- a. A copy of the shipper's shipping and unloading bill of lading;
2. Invoices must be distributed as follows:
    - a. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
    - b. One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.
    - c. One (1) copy must be forwarded to the consignee.

#### **7.8 Certifications and Additional Information**

##### **7.8.1 Compliance**

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

N° de l'invitation - Solicitation No.  
F1700-166121/A  
N° de réf. du client - Client Ref. No.  
F1700-166121

N° de la modif - Amd. No.  
File No. - N° du dossier  
VAN-7-40005

Id de l'acheteur - Buyer ID  
VAN532  
N° CCC / CCC No./ N° VME - FMS

---

### 7.8.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "FCP Limited Eligibility to Bid" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

### 7.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in \_\_\_\_\_. (*Insert the name of the province or territory as specified by the Bidder in its bid, if applicable.*)

### 7.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- a) the Articles of Agreement;
- b) the general conditions 2030 (2016-04-04) - Higher Complexity - Goods;
- c) Annex A, Requirement;
- d) Annex B, Basis of Payment;
- e) Annex C, Drawing, Fish Rearing Tubs
- f) the signed Requisition on Contracts (including all of its annexes, if any);
- g) the Contractor's bid dated \_\_\_\_\_, (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award:*"), as clarified on \_\_\_\_\_ " **or** ", as amended on \_\_\_\_\_ " *and insert date(s) of clarification(s) or amendment(s)*).

### 7.11 Insurance

SACC Manual clause G1005C (2008-05-17) Insurance

### 7.12 Excess Goods

SACC Manual Clause B7500C (2006-06-16) Excess Goods

**Annex A**  
**REQUIREMENT**

**Part 1 – GENERAL INFORMATION**

**1.1 Summary**

1. Department of Fisheries and Ocean(DFO) requires the supply and delivery of
  - a) Twenty six (26) circular fiberglass reinforced plastic fish rearing tubs, as shown in Table A.1-Initial Order and on an “as when requested basis” for Contract period and option year one and two as shown in Annex B, Table B.1. and
  - b) various sized-circular fiberglass reinforced plastic fish rearing tubs as shown in Table A.2-Other tub sizes on an “as and when requested” basis. for Contract period and option year one and two as shown in Annex B, Table B.2.
2. All tubs must include drain sump, overflow drain and all appurtenances and components as shown on the drawings and as specified herein
3. All tubs of 16’ diameter of greater must include sidewall drain boxes.
4. All circular fiberglass reinforced plastic fish rearing tubs must be delivered to the following location:

Chehalis River Hatchery site,  
 RR #1 16250 Morris Valley Road,  
 Agassiz, BC  
 V0M 1A0

**Part 2- FIBREGLASS REINFORCED PLASTIC TUBS**

**2.1 DESCRIPTION OF WORK**

1. The work includes furnishing all labor, materials, services and equipment for the supply and delivery of circular fiberglass fish rearing tubs as shown on the drawings and as specified herein. Rearing tubs must be designed to be suitable for above ground or below ground installation.

**a) Initial order**

Table A.1-Initial Order	
Description	Drain Line Diameter ("Z" in DWG)
4' diameter x 3' height	2"
10' diameter x 4' height	4"
16' diameter x 4' height	6"
20' diameter x 5' height	6"

**b) Various sized-Circular fiberglass reinforced plastic fish rearing tubs, which may be required**

Table A.2 - Other Tubs		
Description	Stand pipe Diameter	Drain Line Diameter ("Z" in DWG)
3' diameter x 2' height	4"	2"
3' diameter x 3' height	4"	2"

4' diameter x 2' height	4"	2"
4' diameter x 4' height	6"	2.5"
5' diameter x 3' height	6"	2.5"
5' diameter x 4' height	6"	2.5"
6' diameter x 3' height	6"	3"
6' diameter x 3.8' height	6"	3"
6' diameter x 4' height	6"	3"
7' diameter x 4' height	6"	3"
8' diameter x 3' height	6"	2.5"
8' diameter x 4' height	8"	4"
9' diameter x 4' height	8"	4"
12' diameter x 4' height	8"	4"
14' diameter x 5' height	10"	6"
16' diameter x 5' height	10"	6"
26' diameter x 6.5' height	12"	8"
30' diameter x 4' height	12"	8"
30' diameter x 5' height	12"	8"
30' diameter x 6' height	12"	8"
30' diameter x 8' height	12"	8"

## 2.2 SCHEDULE OF WORK

2.2.1 Provide a schedule of work within five (5) days of receiving an Authorized Requisition on Contract (ROC) and complete work as shown on the ROC request.

2.2.2 Whenever variation from the schedule occurs or is expected to occur, the Contractor must notify the Project Authority or Designated Authority of the change.

## 2.3 DELAYS

2.3.1 Delays, other than those caused by changes requested by the Project Authority or Designated Authority, which occur will not affect the Contract Prices of the each circular fish tub. Any costs for such delays will not be entertained by Canada and the costs are the sole responsibility of the Contractor.

## 2.4 REFERENCE SPECIFICATIONS, CODES AND STANDARDS

### 2.4.1 Commercial Standards

ASTM C 581-Practice for determining chemical resistance of thermosetting resins used in glass fibre reinforced structures, intended for liquid service.

ASTM D 638- Test method for tensile properties of plastics

ASTM D 695- Test method for compressive properties of rigid plastics

ASTM D 790- Test methods for flexural properties of unreinforced and reinforced plastics and electrical insulating materials

ASTM D 883- Definitions of Terms Relating to Plastics

ASTM D 2563- Recommended practice for Classifying Visual Defects in Glass- Reinforced Plastic Laminate Parts

ASTM D 2583- Test Method for Indentation Hardness of Rigid Plastics by means of a Barcol Impressor

ASTM D 2584- Test Method for Ignition Loss of Cured Reinforced Resins

ASTM D 3299- Filament-Wound Glass Fibre Reinforced Thermoset Resin Chemical-Resistant Tubs

ASTM D 4097- Contact-Molded Glass-Fibre-Reinforced Thermoset Resin Chemical-Resistant Tubs

2.4.2 The requirements of the standards referenced to in the specifications must not be violated on the pretext that the provincial and local regulations are less stringent. Where conflict arises in the course of work, the strictest standards must apply.

**2.5 DRAWINGS**

2.5.1 The Contractors must submit drawings of their proposed tubs. (For ex: Shop drawings etc.)

**2.6 DELIVERY STORAGE AND HANDLING**

2.6.1 The Contractor must provide shipping of all items specified.

2.6.2 The Contractor must crate and protect all fiberglass items from damage during fabrication, storage, packing, shipping, handling and unloading. Damaged tubs may be rejected by the Project Authority and returned for replacement or repair at the cost of the Contractor

2.6.3 The Contractor must properly schedule the delivery for the circular fiberglass reinforced plastic fish rearing tubs. The fabricated items will be delivered to and unloaded at the Chehalis Fish Hatchery, 16250 Morris Valley Road, Agassiz, BC Canada.

**2.8 WARRANTY**

2.8.1 Warranties for materials and workmanship for all items and accessories as specified must be valid for a period of not less than one (1) year, starting from final acceptance by the Project Authority.

**2.9 MATERIALS**

2.9.1 The Contractor must not use any materials containing cadmium, brass, bronze, copper, zinc, or other alloys, which could come in contact with fish rearing water.

2.9.2 Resin

- I. The resin must be rated for use with foods and potable water. The same resin must be used throughout the laminate unless otherwise specified.
- II. The resin must not contain any fillers, unless specified.
- III. Unless otherwise agreed upon by the Contractor and the Project Authority, the

---

cure system used for the resin must be in accordance with the resin manufacturer's recommendations.

- IV. All products fabricated must be cured to at least 90% of the minimum Barcol Hardness specified by the resin manufacturer.
- V. All interior and exterior surfaces to be chemical-resistant. Resin must be acetone sensitive.

#### 2.9.3 Reinforcement

- I. Woven roving must be Type E glass.
- II. Chopped strand mat must be Type E glass.

#### 2.9.4 Laminate Construction

- I. The rearing tubs must be constructed using a multi-layered system consisting of, at the minimum, the following layers:
  - a. Polyester gel coat
  - b. Chop strand fiberglass
  - c. Woven roving
  - d. Chop strand fibreglass
  - e. Polyester gel coat
- II. Minimum laminate thickness must be 4.8mm (3/16")
- III. The inner surface of each rearing tank must be smooth and continuous from a molded surface and consist of a polyester gel coat 15 to 18 mil thick.
- IV. The exterior of each rearing tank must be finished with a polyester gel coat a minimum of 10 mil thick.
- V. Rearing tub colour must be approved by the Project Authority.
- VI. All manufacturer perforations and cutouts must be sealed with resin and gel coat.

#### 2.9.5 Description of Fibreglass tubs

- I. The tubs will to be used for the production of fish in water temperatures ranging from 0 to 20 degrees Celsius. The tubs will to be used for exterior application as shown on the drawings and may be subject to the maximum ambient temperature range and fluctuations for the geographical locations.
- II. The tubs must be fibre-reinforced plastic complete with and ready for piping hookup and field installation.
- III. Tubs must conform to all dimensions and have the features indicated on the drawings.
- IV. Units must be provided with continuous straight sides (removed from mold) meeting interior depth dimension as indicated in Table B.1 and Table B.2, sloped bottom, reinforcement sufficient to maintain less than 6 mm total deflection at midpoint when filled with water.
- V. Bolted wall extension to meet the required interior depth will not be accepted.
- VI. Tub stability must be such that they can be moved empty with a forklift in the center or can be carried by each end without causing deformation or damage to the unit.
- VII. Tub standpipe openings and screen slots must be fabricated for use as shown on the drawings.
- VIII. All tub screens must be provided by the Contractor. Screens must be

interchangeable in any tub of the same size.

- IX. All external tub standpipe assemblies are not to be included in this requirement.
- X. The allowable deflection of sidewall measured at center of tub must not exceed 6 mm.

2.9.6 Each tub must be provided with slots for screens to prevent fish from entering the outlets.

- I. Screens must be stainless steel (or 4.8 mm aluminum) and must have 3.2 mm maximum opening size.
- II. Screens for tubs of a given size must be interchangeable between tubs of the same size.
- III. Screens must be smooth on both faces without any sharp edges.

## 2.10 WORKMANSHIP

2.10.1 Visual Defects: ASTM D2563 must be used for quality control of both filament- wound tubs constructed per ASTM D3299, and hand lay-up tub construction per ASTM D4097.

Acceptance levels must be as follows:

Defect	Process Surface	Non-Process Surface
Blisters	None	Maximum 6mm diameter x 1.25mm high
Burned Areas	None	None
Chips	None	Maximum 6mm with maximum thickness of 20% of wall
Cracks	None	None
Crazing	None	Slight
Dry Spots	None	Max 14 mm <sup>2</sup> /m <sup>2</sup>
Entrapped Air	None at surface	3mm diameter maximum; no more than 3% of area
Exposed Glass	None	None
Exposed Cut Edges	None	None
Foreign Matter	None	None if it affects the properties of the laminate
Pits	Maximum 2mm diameter x 1mm deep	Maximum 3mm diameter x 1.5mm deep
Scratches	None (coated)	None (coated)
Surface Porosity	None	None
Wrinkles	Maximum deviation 10% of wall thickness	Maximum deviation 20% of wall thickness
Sharp Discontinuity	None	None

2.10.2 During the final inspection of the tubs, the entrapped air voids less than 3% of the total surface will be acceptable.

2.10.3 If entrapped air voids are between 3-40% of the total surface, those areas must be repaired and re-inspected.

2.10.4 The entire tub must be rejected if the defective areas exceed 40% of the total surface.

2.10.5 Shop Inspection: The Project Authority must be permitted access to the manufacturing area during fabrication and must be notified one week prior to the estimated date of tests and/or inspections.

2.10.6 Final inspection and approval must be obtained prior to shipment unless written waiver is obtained. The shop inspection of the equipment must include the following:

- I. Check for compliance with drawing dimensions and adherence to construction standards.
- II. An acetone wipe test to check surface cure. No surface tackiness is permitted.
- III. A Barcol hardness test; at least ninety percent (90%) of resin manufacturer's specified hardness must be attained.
- IV. Examination of laminated (nozzle) cutouts.
- V. A hydro test of at least 24 hours duration to check for leaks.
- VI. The first tub manufactured must be inspected by the Project Authority for conformance to drawings and specifications prior to manufacturing remaining order.

## 2.11 COMPONENTS

2.11.1 Annex "C"- Fish Rearing Tub drawing.

2.11.2 Tank bottom centre drain sump including fish exclusion screen.

2.11.3 Sidewall drain box are only needed for tubs with 16' diameter or greater, assembly including fish exclusion screen.

## 2.12 BOLTS, ANCHOR BOLTS, WASHERS, SUPPORTS, AND HOLD DOWN LUGS

2.12.1 The Contractor must provide the following:

- I. Bolts, anchor bolts, nuts, washers, and supports as required for the plastic and fiberglass items.
- II. Bolts, anchor bolts, washers, hold down lugs, and supports required in connection with the plastic or fiberglass items must be of Type 316 stainless steel.

## 2.13 TUB DELIVERY

2.13.1 The Contractor must review and certify in writing that all installation requirements as shown on the plans are in accordance with design character and limitations of the unit.

2.13.2 The tubs must be covered and protected to prevent damage in shipment and handling.

2.13.3 All finished surfaces must be protected.

2.13.4 The Contractor must be responsible for delivering the units to the hatchery. A DFO Representative will supervise the unloading of the units. Visually imperfect units will be rejected.

2.13.5 The DFO Representative will take note of any damage during shipping.

2.13.6 Any damage to the units incurred in transit and unloading will be the responsibility of the Contractor. Permits, import requirements, and precautionary measures required for highway transport are the responsibility of the Contractor.

2.13.7 A qualified site representative from DFO must be present to receive all shipments of units to the project site at Chehalis.

2.13.8 DFO's qualified site representative must insure proper unloading and handling of the tubs.

N° de l'invitation - Solicitation No.  
F1700-166121/A  
N° de réf. du client - Client Ref. No.  
F1700-166121

N° de la modif - Amd. No.  
File No. - N° du dossier  
VAN-7-40005

Id de l'acheteur - Buyer ID  
VAN532  
N° CCC / CCC No./ N° VME - FMS

---

2.13.9 Prior to the shipment, the Contractor must contact DFO's Project Authority to arrange for DFO's qualified site representative to be present at the project site at Chehalis.

2.13.10 Prior to shipment, the tubs must be cleaned to remove any residual parting agent(s), film or other deleterious material.

2.13.11 The units must be carefully cleaned prior to shipment.

N° de l'invitation - Solicitation No.  
 F1700-166121/A  
 N° de réf. du client - Client Ref. No.  
 F1700-166121

N° de la modif - Amd. No.  
 VAN798  
 File No. - N° du dossier  
 VAN-7-40005

Id de l'acheteur - Buyer ID  
 VAN798  
 N° CCC / CCC No./ N° VME - FMS

**ANNEX B**

**BASIS OF PAYMENT**

**B.1 - General:**

All prices must be in Canadian Funds and remain firm for the specified period of the Contract.

All prices in each of the following: Contract Period, optional periods 1 and 2 (1 year period each) must remain firm for the specified period.

Prices are FOB Destination inclusive of all customs duties, permits and sales taxes are extra.

**B.2 - Pricing and shipping**

**Table B.1 – Initial Order, Contract period, Option period 1 and 2- Circular fiberglass reinforced plastic fish rearing tubs**

Description	Initial Order		Contract Period		Option Period 1		Option Period 2		
	Qty	Firm Unit Price for Quantities indicated on the left(Qty)	Firm Ceiling shipping & unloading costs (Lot price)	Firm unit price for 1 unit	Firm ceiling shipping and unloading cost for 1 unit	Firm unit price for 1 unit	Firm ceiling shipping and unloading cost for 1 unit	Firm unit price for 1 unit	Firm ceiling shipping and unloading cost for 1 unit
4' diameter x 3' height	5	\$	\$	\$	\$	\$	\$	\$	\$
10' diameter x 4' height	9	\$	\$	\$	\$	\$	\$	\$	\$
16' diameter x 4' height	8	\$	\$	\$	\$	\$	\$	\$	\$
20' diameter x 5' height	4	\$	\$	\$	\$	\$	\$	\$	\$

**Table B.2 - Other tubs sizes (costs per tub)**

Description	Contract Period		Option Period 1		Option Period 2	
	Firm unit price	Firm ceiling shipping and unloading	Firm unit price	Firm ceiling shipping and unloading	Firm unit price	Firm ceiling shipping and unloading cost
3' diameter x 2' height	\$	\$	\$	\$	\$	\$
3' diameter x 3' height	\$	\$	\$	\$	\$	\$
4' diameter x 2' height	\$	\$	\$	\$	\$	\$
4' diameter x 4' height	\$	\$	\$	\$	\$	\$
5' diameter x 3' height	\$	\$	\$	\$	\$	\$
5' diameter x 4' height	\$	\$	\$	\$	\$	\$
6' diameter x 3' height	\$	\$	\$	\$	\$	\$
6' diameter x 3.8' height	\$	\$	\$	\$	\$	\$
6' diameter x 4' height	\$	\$	\$	\$	\$	\$
7' diameter x 4' height	\$	\$	\$	\$	\$	\$
8' diameter x 3' height	\$	\$	\$	\$	\$	\$
8' diameter x 4' height	\$	\$	\$	\$	\$	\$
9' diameter x 4' height	\$	\$	\$	\$	\$	\$
12' diameter x 4' height	\$	\$	\$	\$	\$	\$
14' diameter x 5' height	\$	\$	\$	\$	\$	\$
16' diameter x 5' height	\$	\$	\$	\$	\$	\$
26' diameter x 6.5' height	\$	\$	\$	\$	\$	\$
30' diameter x 4' height	\$	\$	\$	\$	\$	\$
30' diameter x 5' height	\$	\$	\$	\$	\$	\$
30' diameter x 6' height	\$	\$	\$	\$	\$	\$
30' diameter x 8' height	\$	\$	\$	\$	\$	\$

### B.3 – Shipping and Unloading Costs

'Shipping and unloading costs' are defined as delivered and on the ground at the Chehalis River Hatchery, 16250 Morris Valley Road, Agassiz, BC.

#### ROC for 1 fish tub

The Delivery and unloading costs for one fish tub are in accordance with Table B.1 and B.2

#### ROC for multiple fish tubs

As it is anticipated that the actual cost for the delivery and unloading of multiple fish tubs, will be less than the sum cost for the delivery and unloading of 1 fish tub, fiberglass lids and mesh lids. The Contractor will be paid the lesser of either (1) the sum cost for delivery and unloading calculated or (2) the actual cost for delivery and unloading of the entire order supported by the shipper's bill of lading.

The delivery and unloading cost for multiple fish tubs, must not exceed the delivery and unloading costs identified in Table B.1 and B.2 times the quantity.

Example: ROC Order

Fish Tubs #	Delivery & Unloading Cost	Order quantity	Total Cost based on quoted price for 1 Fish Tub
1	\$1,200.00	2	\$2,400.00
2	\$1,500.00	3	\$4,500.00
		total	\$6,900.00

Canada will pay the lesser of \$6,900 and the actual cost of delivery, as supported by the shipper's bill of lading.

N° de l'invitation - Solicitation No.  
F1700-166121/A  
N° de réf. du client - Client Ref. No.  
F1700-166121

N° de la modif - Amd. No.  
File No. - N° du dossier  
VAN-7-40005

Id de l'acheteur - Buyer ID  
VAN798  
N° CCC / CCC No./ N° VME - FMS

---

**ANNEX C**  
**FISH REARING TUB- DRAWING**

**SEE ATTACHED**

N° de l'invitation - Solicitation No.  
F1700-166121/A  
N° de réf. du client - Client Ref. No.  
F1700-166121

N° de la modif - Amd. No.  
File No. - N° du dossier  
VAN-7-40005

Id de l'acheteur - Buyer ID  
VAN798  
N° CCC / CCC No./ N° VME - FMS

---

**ANNEX D**  
**Requisition on Contract (ROC) Form**  
***(to be provided at contract award)***

N° de l'invitation - Solicitation No.  
F1700-166121/A  
N° de réf. du client - Client Ref. No.  
F1700-166121

N° de la modif - Amd. No.  
File No. - N° du dossier  
VAN-7-40005

Id de l'acheteur - Buyer ID  
VAN798  
N° CCC / CCC No./ N° VME - FMS

---

## ANNEX E to PART 5 OF THE BID SOLICITATION

### FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY – CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\) – Labour's website](#).

Date: \_\_\_\_\_ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- A1. The Bidder certifies having no work force in Canada.
- A2. The Bidder certifies being a public sector employer.
- A3. The Bidder certifies being a federally regulated employer being subject to the *Employment Equity Act*.
- A4. The Bidder certifies having a combined work force in Canada of less than 100 permanent full-time and/or permanent part-time employees.

A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

- A5.1. The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with ESDC-Labour.

**OR**

- A5.2. The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- B1. The Bidder is not a Joint Venture.

**OR**

- B2. The Bidder is a Joint venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex D- Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)

N° de l'invitation - Solicitation No.  
 F1700-166121/A  
 N° de réf. du client - Client Ref. No.  
 F1700-166121

N° de la modif - Amd. No.  
 File No. - N° du dossier  
 VAN-7-40005

Id de l'acheteur - Buyer ID  
 VAN798  
 N° CCC / CCC No./ N° VME - FMS

**FORM A – Bid Submission Form**

<b>BID SUBMISSION FORM</b>		
<b>Bidder's full legal name</b>		
<b>Authorized Representative of Bidder for evaluation purposes (e.g., clarifications)</b>	Name	
	Title	
	Address	
	Telephone #	
	Fax #	
	Email	
<b>Bidder's Procurement Business Number (PBN)</b> [see the Standard Instructions 2003]		
<b>Jurisdiction of Contract:</b> Province in Canada the bidder wishes to be the legal jurisdiction applicable to any resulting contract (if other than as specified in solicitation)		
Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently <b>directors of the Bidder</b> . Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s). Bidders bidding as societies, firms, or partnerships do not need to provide lists of names.		
<p>On behalf of the Bidder, by signing below, I confirm that I have read the entire bid solicitation including the documents incorporated by reference into the bid solicitation and I certify that:</p> <ol style="list-style-type: none"> <li>1. The Bidder considers itself and its products able to meet all the mandatory requirements described in the bid solicitation;</li> <li>2. This bid is valid for the period requested in the bid solicitation;</li> <li>3. All the information provided in the bid is complete, true and accurate; and</li> <li>4. If the Bidder is awarded a contract, it will accept all the terms and conditions set out in the resulting contract clauses included in the bid solicitation.</li> </ol>		
<b>Signature of Authorized Representative of Bidder</b>		Date

N° de l'invitation - Solicitation No.  
F1700-166121/A  
N° de réf. du client - Client Ref. No.  
F1700-166121

N° de la modif - Amd. No.  
File No. - N° du dossier  
VAN-7-40005

Id de l'acheteur - Buyer ID  
VAN798  
N° CCC / CCC No./ N° VME - FMS

---

**NOTE TO BIDDERS:** Please use ONE of the two mailing labels below and affix it securely to the outside of the envelope or package containing your bid submitted by mail or courier. Always ensure your company name, return address, open bidding solicitation number and closing date appear legibly on the outside of your bid submission.

**AVIS AUX FOURNISSEURS:** Pour le retour par la poste ou par messenger, veuillez utiliser UNE des étiquettes d'envoi ci-dessous et apposez-la à l'extérieur de votre enveloppe ou du colis contenant votre offre. Assurez-vous que le nom de votre compagnie, l'adresse de retour, le numéro de l'invitation ouverte à soumissionner et la date de clôture soient lisibles à l'extérieur de votre offre.

---

**Bid Receiving  
Public Works & Government Services Canada  
219 - 800 BARRARD STREET  
VANCOUVER BC V6Z 0B9**

**Solicitation No. : F1700-166121/A**

**Solicitation Closes at: 2:00 PM PT  
On August 22, 2017**

---

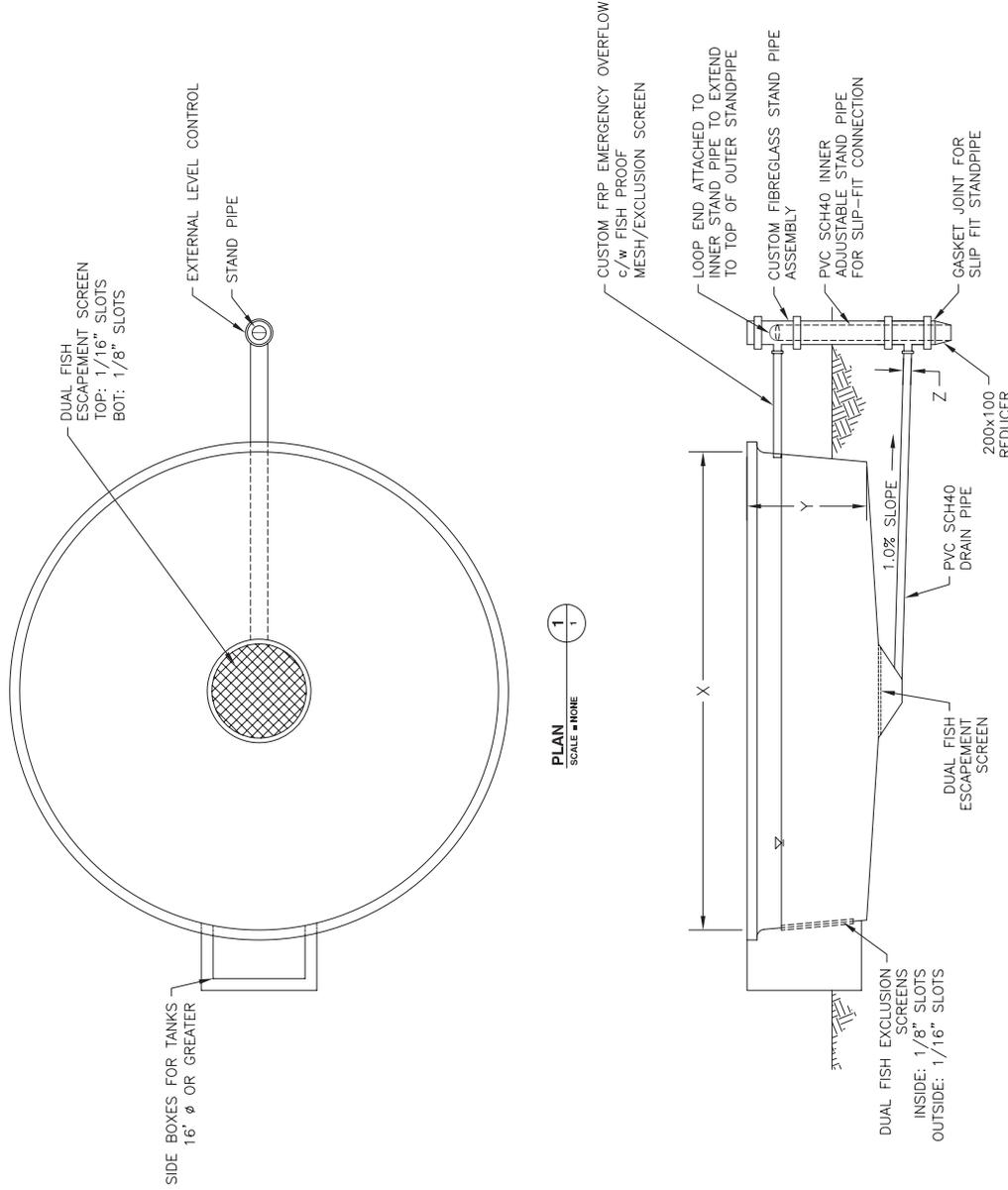
**Réception des soumissions  
Travaux publics et services gouvernementaux Canada  
800 rue Burrard, 219  
Vancouver (C.-B) V6Z 0B9**

**N° de l'invitation : F1700-166121/A**

**La réception des soumissions prend fin le: 22 août 2017  
à: 14:00 PT**

---

# ANNEX C



**PLAN**  
SCALE: NONE  
1/1

**ELEVATION**  
SCALE: NONE  
2/1

<b>FISHERIES AND OCEANS CANADA</b> REAL PROPERTY AND SAFETY AND SECURITY	SCALE	1 DRAWING NUMBER
	INS	
<b>CIRCULAR REARING TANKS</b> <b>DFO REQUIREMENTS</b>		1 DRAWING NUMBER
DESIGNED DRAWN CHECKED RECOMMENDED APPROVED		
1. REFER TO TABLE 1 IN "ANNEX A" FOR TANK DIMENSIONS "X" AND "Y" 2. REFER TO TABLE 1 IN "ANNEX A" FOR DRAIN PIPE Ø "Z" 3. CUSTOM FIBREGLASS STAND PIPE ASSEMBLY NOT TO BE INCLUDED WITH TANK CONTRACT	NO. DATE	REVISIONS
	DWG. NO.	DRAWING REFERENCES