



**RAJIV GANDHI CENTRE FOR AQUACULTURE**  
**(MPEDA, MINISTRY OF COMMERCE & INDUSTRY, GOVT. OF INDIA)**  
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RGCA/MPEDA/4.1/SSP/2017-18

14/02/2018

**INVITATION FOR QUOTATION (AQUACULTURE PLUMBING WORK)**

The Project Director, Rajiv Gandhi Centre for Aquaculture (RGCA) invites sealed competitive quotations from the Aquaculture Plumbing Contractors for the **MPEDA- Self-sufficiency Project, Vallarapadam post, Cochin- Ernakulam District-682504, Kerala.**

**TERMS & CONDITIONS:**

- (i) The Contractor should have completed at least one work of Aquaculture Plumbing works in Aquaculture Hatchery Plumbing , RAS works such as fixing of Pressure sand filter, Biological filter, feeds filter, Foam fractionator, Aqua phonics plumbing works, pond central drain plumbing works, Aeration plumbing works, Oxygen concentrator, cartridge filters connection works, UV filters connection works, Sea water Chiller and Heater plumbing works.
- (ii) The contractor should submit the experience certificate of Aquaculture Plumbing works along with the Quotation.
- (iii) All supporting services and facilities including electric power, supply of portable water, and welfare of laborers etc. required for completing the works within the specified time should be arranged / taken care of by the contractor and RGCA shall not be liable to provide such services / responsibilities / facilities under any circumstances.
- (iv) The contractor, before submitting the quotation should essentially inspect the site and ascertain all the necessary information, including the risks, contingencies, nature of ground, place of installation etc. and also acquaint himself with the local conditions.
- (v) The rate quoted for the work shall be inclusive of all incidentals, hiring of all necessary equipment's, installments and expenses of staff/labour connected with the work. Nothing other than the quoted rates shall be entertained under any circumstances.
- (vi) The contractor has to bear full liability for the Provident Fund & Employees State Insurance Scheme payments for the workers working under their rolls as required by law.
- (vii) The rates should also include all Taxes, by the central Government/State Government as on the date of submission of the Tender.

- (viii) The Tenderer/ Firm/Company should possess GST Registration.
- (ix) Retention amount 5% of total bill value shall be retained as security deposit, which shall be released after liability period 2 months from the date of Virtual completion.
- (x) The Tenderer without certified photocopies of experience certificates in support of fulfilling minimum criteria as above will be rejected.
- (xi) The time allowed for the completion of the work is 1 Months from the 7th day of issue of work order or the date on which the site is handed over to the Contractor whichever is later and time shall be of the essence of the Contract.
- (xii) RGCA reserves all right to accept or reject any or all of the quotations without assigning any reason thereof.
- (xiii) Every Tender shall be accompanied by an Earnest Money Deposit for Rs 10,000/- Only, in the form of Demand Draft drawn in favour of The Project Director, Rajiv Gandhi Centre for Aquaculture, payable at Mayiladuthurai, Tamil Nadu. Tenders not accompanied by such Earnest Money are liable to be rejected straightaway. E.M.D. in any other form may not be accepted.
- (xiv) The Earnest Money will be retained in the case of successful Tenderer as part of the Security. EMD given by unsuccessful Tenderers will be refunded without any interest and the same will be done only after successful Tenderer accepts the Contract and after providing Security Deposit.
- (xv) All the plumbing materials shall be provided by the MPEDA-RGCA
- (xvi) Necessaries civil work and Earth work shall be done by the MPEDA-RGCA
- (xvii) RGCA will not be responsible for delay or non-receipt of tender quotation sent by post/courier.

The quotation shall be sealed and super scribed as "**Quotation for Aquaculture Plumbing labor rate works for SSP**".

Quotations submitted through e-mail will not be accepted.

The contractors should be submit quotation on or before 27/02/2018 at 17.30 hrs, to the **Project Director, Rajiv Gandhi Centre for Aquaculture, c/o. The Marine Products Export Development Authority, MPEDA House, Panampilly Nagar, Cochin-682036**

## **Bill Of Quantities for Aquaculture Plumbing Installation works**

<b>SI No.</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>Unit</b>	<b>Erection Rate</b>
1	Fixing in position best quality PVC pressure pipes of sea water supply of various size having ISI mark, with pressure, non corrosive and non contact with the salt water of Conforming the IS 4985: 2000 and providing leak proof joints including fixing to the wall specials PVC Clamps, etc and making connection to fittings, dismantling masonry /RCC work wherever necessary and making good the dismantled portion to the original condition. IS -4985, DIN -8062.			
a	32 mm dia. 16 Kgs PVC Pipe	100	Rmts	
b	50 mm dia 16 Kgs PVC Pipe	75	Rmts	
c	90 mm dia. 10 kgs PVC Pipe	50	Rmts	
d	63mm dia. 6kgs PVC Pipe	600	Rmts	
e	63mm dia. 10 kgs PVC Pipe	300	Rmts	
f	110mm dia. 10 kgs PVC pipes.	1200	Rmts	
g	140 mm dia 10 kgs pvc pipe.	8	Rmts	
h	160mm dia 6 kgs PVC pipes.	1000	Rmts	
i	200 mm dia 10 kgs pvc pipes	110	Rmts	
j	250mm dia. 10kg PVC Pipes	25	Rmts	
h	300 mm dia .10 kg PVC Pipe	5	Rmts	
2	Fixing in position best quality UPVC pressure pipes and fitting of sea water supply of various size having ISI mark, with pressure, non corrosive and non contact with the salt water of Conforming the IS 4985: 2000 and providing leak proof joints including fixing to the wall specials PVC Clamps, etc and making connection to fittings, dismantling masonry /RCC work wherever necessary and making good the dismantled portion to the original condition. IS -4985, DIN -8062.			
a	1 inch dia. Pipe	300	Rmts	
b	1 inch dia. Elbow	60	each	
c	1 inch dia. Tee	30	each	
d	1 inch dia. Ball valve	30	each	
e	1 inch dia. Ball union	30	each	

f	2 inch dia. Pipe	100	Rmts	
3	Fixing of PVC ELBOW complete all using to fix the same in the pipe using the emery sheet with using the solvent to fix the same complete all.			
a	32 mm dia	12	each	
b	50 mm dia	12	each	
c	63mm dia	150	each	
d	90 mm dia	12	each	
e	160mm dia	20	each	
f	110mm dia	60		
f	200 mm dia	8	each	
g	250 mm dia	4	each	
4	fixing of PVC TEE complete all using to fix the same in the pipe using the emery sheet with using the solvent to fix the same complete all.			
a	32 mm dia	12	each	
b	50 mm dia	12	each	
c	63mm dia	100	each	
d	90 mm dia	12	each	
e	110mm dia	40	each	
f	160mm dia	20	each	
f	200 mm dia	6	each	
g	250 mm dia	4	each	
5	Fixing of PVC union complete all using to fix the same in the pipe using the emery sheet with using the solvent to fix the same complete all.			
a	32 mm dia	4	each	
b	50 mm dia	4	each	
c	63mm dia	10	each	
d	90 mm dia	10	each	
e	110mm dia	7	each	
6	Fixing of PVC end cap complete all using to fix the same in the pipe using the emery sheet with using the solvent to fix the same complete all.			
a	50 mm dia	6	each	
b	90 mm dia	6	each	
c	110 mm dia	10		
7 a	Fixing of PVC reducer TEE complete all using to fix the same in the pipe using the emery sheet with using the solvent to fix the same complete all.			

b	63 /25 mm dia	12	each	
c	50 / 32 mm dia	12	each	
d	110 /50 mm dia	24	each	
e	110/63 mm dia	24	each	
f	200/160 mm dia	5	each	
g	250/160 mm dia	5	each	
h	63/32mm dia	50	each	
8	Fixing of PVC MT/FTA complete all using to fix the same in the pipe using the emery sheet with using the solvent to fix the same complete all.			
a	32/25 mm dia	12	each	
b	63 mm dia	20	each	
c	110 mm dia	12	each	
9	Fixing of PVC foot cum check valve complete all using to fix the same in the pipe using the emery sheet with using the solvent to fix the same complete all.			
a	50 mm dia	3	each	
b	110 mm dia	4	each	
10	Fixing of 300 mm dia air diffuser in disk model complete of air flow rate of coverage area of 3 to 6 sqm minimum of 1.8 water depth complete all.	5	each	
11	Fixing of 10 kgs of PVC Ball valve with complete all			
a	32 mm dia PVC Ball valve	12	each	
b	63mm dia pvc Ball valve	90	each	
c	50 mm dia pvc ball valve	12	each	
d	90 ( 80 mm) mm dia PVC Valve	12	each	
d	110 ( 100 ) mm dia PVC Valve	12	each	
12	Fixing of High rigid PVC white colour butterfly valve, PVC Hubs, ABS body, centre shaft will be no corrosive 304SS, Paddle -304SS, seals - Sarlink or equivalent withstand pressure of 10, with both side connecting pipe complete all.			
a	250 mm PVC butterfly valve	4	Each	
b	160 mm PVC butterfly valve	6	Each	
13	Fixing of pvc flanges with SS bolts and nuts with water leak gasket to be provided complete all.			
a	Flanges for the above 250 mm dia	2	Each	

14	Fixing of pressure gauge of 4 inch dial with isolating gate valve / cock with insulation with the pressure range of 0 to 30 psi.	4	Each	
15	Fixing of High rigid PVC pressure release valve of with isolating gate valve / cock complete all.	4	Each	
16	Fixing of High rigid PVC check valve with complete all.			
a	32 mm dia check valve	2	Each	
b	110 mm dia check valve	2	Each	
17	Fixing and position of pressure sand filter 900lit.capacity	6	Each	
18	Fixing and position of Biological filter, bio filter water filtration system	2	Each	
20	Fixing and position of Foam fractionators	3	Each	
22	Fixing and position of Feeds Filter	2	Each	

**PROJECT DIRECTOR**  
**R.G.C.A**