

**CENTRAL INSTITUTE OF FRESHWATER AQUACULTURE  
(INDIAN COUNCIL OF AGRICULTURAL RESEARCH)  
P.O.KAUSALYAGANGA, BHUBANESWAR-751002**

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**TENDER NOTICE No.16/2009-10**

**Tender inserting date :24/02/2010**

**Tender closing date : 16/03/2010**

Competative bids are invited from CPWD and reputed PSU's only for the work "Construction of Genetics hatchery" at CIFA, Kausalyaganga, Bhubaneswar. The estimated cost of the project is Rs.13.01 lakhs based on DSR CPWD'2007. The detail tender schedule (Bill of quantity) can be obtained from the web site : <http://www.cifa.in>. The bid in a sealed cover may be submitted to the Director, CIFA latest by 3.00 PM on dt.16.03.2010 positively by post only.

Sd/-

**DIRECTOR**

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**ADMINISTRATIVE OFFICER**

# Central Institute of Freshwater Aquaculture

**(Indian Council of Agricultural Research)**

**P.O. Kausalyaganga :: Bhubaneswar-751002**

Tel. No.0674-2465421/2465449/2465446/2465402, Fax: 0674-2465407

E-mail : [cifa@ori.nic.in](mailto:cifa@ori.nic.in), [cifa@hub1.nic.in](mailto:cifa@hub1.nic.in).

No.CIFA/Engg/P.Works/2009-10

By speed post  
Date:24.02.2010

From:

The Administrative Officer

To :

- (1) **The Deputy General Manager(Engg.)**  
National Buildings Construction Corporation Ltd.,  
(A Govt of India Enterprise),  
Plot No.4707, Press Chhak, Gajapati Nagar.,  
PO-Sainik School, Bhubaneswar-751005
  - (2) **The Deputy General Manager,**  
Rail India Technical & Economic Service Ltd.(RITES),  
(A Govt. of India Enterprise),  
Bhagawan Tower, 1<sup>st</sup> floor, Block-A,  
Cuttack road, Bhubaneswar-751006
  - (3) **The Deputy General Manager,**  
MECON LTd., (A Govt of India Enterprise),  
IPICOL House, 3<sup>rd</sup> floor, Janapath  
Bhubaneswar-751002
  - (4) **The Chief General Manager(Civil.)**  
Orissa Industrial Infrastructure Development  
Corporation, IDCO Towers, Janapath  
Bhubaneswar-751022
- Sub:** Bidding documents for “**Construction of Genetics hatchery**” at CIFA, Kausalyaganga, Bhubaneswar.

Sir,

It is requested to submit your competitive bid for the “Construction of Genetics hatchery” at CIFA, Kausalyaganga, Bhubaneswar. The detailed tender schedule (Bill of Quantity) is enclosed. The estimated cost of the work is Rs.13.01 lakhs based on DSR CPWD ’2007. The works will be carried-out as per the guidelines of ICAR and specification of Central PWD.

*Contd...P/2-*

# 2 #

The bid in a sealed cover may be submitted to the Director, CIFA latest by 3.00 PM on 16.03.2010 positively by post only.

Any further information, if required may be obtained from the undersigned or from the Engineering Section of CIFA during office hours on all working days.

**TERMS AND CONDITIONS**

1. There will be no price escalation after awarding the work
2. The penalty clause will be imposed for non-completion of work as per the specification and within the stipulated time.
3. The executing agency should have work experience for different Govt departments.
4. Any dispute in this regard will be settled within Bhubaneswar Court Jurisdiction only
5. The work will be awarded as per ICAR guideline.
6. The Director, CIFA reserves the right to reject or accept the bid without assigning any reason.

Yours faithfully,

**Encl:** Tender document  
(Bill of quantity)

**ADMINISTRATIVE OFFICER**

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## TENDER SCHEDULE

### Part – A) Construction of hatchery for genetic improvement at CIFA, Kausalyaganga.

#### Details

1. Size of the building 14m x 4.5m x 3.0m  
(L) (B) (H)
2. Columns (10nos) with RCC roof, plinth beam, roof beam, lintel etc.
3. Aluminium sliding windows with iron grill.
4. Provision of two nos of door with sal wood frame and 2<sup>nd</sup> class teak wood shutter.
5. Inside wall putty finished with distemper painting.
6. Outside wall simple plaster with weather coat painting.
7. Grading of roof with neat cement finishing for water proofing treatment and rainwater pipe provision.
8. Flooring with be simple artificial stone flooring.
9. Electrical wiring and installation.

Sl. No	Description of items	Qty	Unit	Rate	Amount
1.	Earthwork in excavation by mechanical means/manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m. for all kind of soil.	56.16	m <sup>3</sup>		
2.	Supplying and filling sand in foundation trenches, column pits, underfloor etc. including watering, ramming, consolidating and dressing completely.	52.08	m <sup>3</sup>		
3.	Providing and laying in position cement concrete of grade 1:4:8 (1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size) in for wall base, floor base etc.work.	14.20	m <sup>3</sup>		
					Contd.....P/2

# 2 #

4.	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttress, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement of grade 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size)	16.16	m <sup>3</sup>		
5.	Providing and laying in position reinforced cement concrete of grade 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) excluding the cost of centering, shuttering, finishing and reinforcement for roof casting work.	9.28	m <sup>3</sup>		
6.	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete with hot rolled deformed bars.	2774.40	kg		
7.	Centering and shuttering including strutting, propping etc. and removal of form for:				
	i) Lintels, beams, plinth beams, girders, bressumers and cantilever.	74.46	m <sup>2</sup>		
	ii) Columns, pillars, piers, abutments, posts and struts.	61.15	m <sup>2</sup>		
	iii) Suspended floors, roofs, landings, balconies and access platform.	81.76	m <sup>2</sup>		
8.	Brickwork with FPS bricks of class designation 75 in foundation and plinth in cement mortar 1:6 (1cement : 6 coarse sand).	11.30	m <sup>3</sup>		
9.	Brickwork with FPS bricks of class designation 75 in superstructure above plinth level upto floor V level in cement mortar 1:6 (1cement : 6 coarse sand).	16.75	m <sup>3</sup>		
10.	Providing and laying in position cement concrete of grade 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size).	7.70	m <sup>3</sup>		
					Contd.....P/3-

# 3 #

11.	12mm thick cement plaster of mix 1:4 (1cement : 4 fine sand) to inside wall in fine sand.	173.55	m <sup>2</sup>		
12.	20mm thick cement plaster to outside wall of mix 1:4 (1cement : 4 fine sand)	133.60	m <sup>2</sup>		
13.	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position of seasoned sal wood.	0.21	m <sup>3</sup>		
14.	Providing and fitting aluminium three/two track sliding aluminium windows with 5.5mm thick glass with 15 micron anodized of standard aluminium section and finishing the same with all labour, tools, trackels, complete in all respect.	10.80	m <sup>2</sup>		
15.	Half brick masonry with FPS brick of class designation 75 in superstructure above plinth level upto floor V level in cement 1:4 (1cement : 4 coarse sand).	14.40	m <sup>2</sup>		
16.	Grading of roof for water proofing treatment with cement concrete grade 1:2:2 (1cement : 2 coarse sand : 2 6mm-12mm hard granite stone chipps) with proper mixing of water proofing compound mixed @ 5kg/50kg of cement and inserting hexagonal wire mesh as per direction.	4.09	m <sup>3</sup>		
17.	Applying cement plaster of cement mortar 1:4 (1cement : 4 coarse sand) including neat cement polishing for roof treatment work.	81.76	m <sup>2</sup>		
18.	Providing and applying J.K/Birla wall putty of 2mm thickness over plastered surface to prepare the surface even and smooth completely.	196.05	m <sup>2</sup>		
19.	Structural steel work in single section fixed with or without connecting plate including cutting, hosting, fixing in position and applying a priming coat of approved steel primer all complete.				
					<b>Contd.....P/4-</b>

# 4 #

20.	Providing and fixing paneled or paneled and glazed shutters for doors, windows, and clerestory windows including ISI marked black enameled MS butt hinges with necessary screws as per direction(shutter will be 30mm thick with second class teak wood).	6.30	m <sup>2</sup>		
21.	Finishing outside wall with Premium Acrylic Smooth exterior paint with Silicone additives of required shade. New Work (Two or more coats applied @ 1.43 litre/10 sqm over a base coat of water proofing cement paint).	133.60	m <sup>2</sup>		
22.	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work : Two or more coat.	196.05	m <sup>2</sup>		
23.	Applying one coat of cement primer of approved brand and manufacture on wall surface.	196.05	m <sup>2</sup>		
24.	Cement concrete flooring 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of net cement including cement slurry and necessary glass joint arrangement of 25mm thick with 12.5mm size hard granite stone aggregate.	101.15	m <sup>2</sup>		
25.	Dismantling of existing shed (roof/column/wall) and stacking of serviceable material within 500m lead and disposal of unserviceable materials within a lead of 1km as per the direction of the deptt.	LS	LS		
26.	Providing and fixing 40 schedule PVC pipe of 100mm dia as rainwater out let with all bends, socket etc. required.	10.50	m		
<b>Electrical work:</b>					
27.	S/F of 48" size ceiling fan white colour high speed standard brand crompton/bajaj/orient make.	04	Nos		
28.	S/F of lite line, T <sub>5</sub> tube light fitting complete crompton/bajaj/Philips make should glow on low voltage.	08s	Nos		
					Contd.....P/5-

# 5 #

29.	S/F of 23W CFL lamp spiral type Philips make.	02	Nos		
30.	S/F of circuit sub main wiring in PVC conduit along with earth wire with 2 x 2.5mm <sup>2</sup> PVC insulated copper conductor single core surface/recessed PVC conduit as required.	30	M		
31.	S/F of point wiring for light/fans etc. with piano (flush) type switch socket with 1.5mm <sup>2</sup> PVC insulated copper conductor single core surface//recessed conduit as required, i/c MS board, MICA cover and earthing ceiling rose, lamp holders, switch, socket etc.	15	Nos		
32.	S/F of standard earthing with 3.5m long 40mm GI pipe, perforated 12mm dia holes, GI flange, nut bolt, charcoal, salt, brick chamber, CC cover earth work and 8swg GI wire, upto the BDB/main switch.	01	No		
33.	S/F of service cable (Al) two core 6mm <sup>2</sup> PVC insulated with 10swg GI wire, service pipe etc.	25	M		
34.	S/F of 63A DP insulator, 3way single phase BDB (MCB) with supply 10A MCBSP, link bar, earth bar, encloser box etc.	01	Set		
				<b>Total</b>	<b>Rs.</b>

**Signature and seal of competent authority of the department**

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## TENDER SCHEDULE

**Part – B) Construction of hatchery for genetic improvement at CIFA, Kausalyaganga.**

### Details

1. Shed size: 14.50m x 7.50m
2. RCC column, brickwall, iron truss etc.
3. Asbestos/transparent sheet roofing etc.
4. Aluminium sliding window, and inside drain etc.

Sl. No	Description of items	Qty	Unit	Rate	Amount
1.	Earthwork in excavation by mechanical means/manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m. for all kind of soil.	72.00	m <sup>3</sup>		
2.	Supplying and filling sand in foundation trenches, column pits, underfloor etc. including watering, ramming, consolidating and dressing completely.	84.87	m <sup>3</sup>		
3.	Providing and laying in position cement concrete of grade 1:4:8 (1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size).	22.39	m <sup>3</sup>		
4.	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttress, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement of grade 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size)	16.22	m <sup>3</sup>		
					<i>Contd....P/2-</i>

# 2 #					
5.	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete with hot rolled deformed bars.	1622	kg		
6.	Centering and shuttering including strutting, propping etc. and removal of form for:				
	i) Lintels, beams, plinth beams, girders, bressumers and cantilever.	66.87	m <sup>2</sup>		
	ii) Columns, pillars, piers, abutments, posts and struts.	61.45	m <sup>2</sup>		
7.	Brickwork with FPS bricks of class designation 75 in foundation and plinth in cement mortar 1:6 (1cement : 6 coarse sand).	23.40	m <sup>3</sup>		
8.	Brickwork with FPS bricks of class designation 75 in superstructure above plinth level upto floor V level in cement mortar 1:6 (1cement : 6 coarse sand).	30.95	m <sup>3</sup>		
9.	Providing and laying in position cement concrete of grade 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size).	7.70	m <sup>3</sup>		
10.	Structural steel work welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	2203.68	Kg		
11.	12mm thick cement plaster of mix 1:4 (1cement : 4 fine sand) to inside wall in fine sand.	146.25	m <sup>2</sup>		
12.	20mm thick cement plaster to outside wall of mix 1:4 (1cement : 4 fine sand)	178.50	m <sup>2</sup>		
13.	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position of seasoned sal wood.	0.103	m <sup>3</sup>		
14.	Providing and fitting aluminium three/two track sliding aluminium windows with 5.5mm thick glass with 15 micron anodized of standard aluminium section and finishing the same with all labour, tools, trackels, complete in all respect.	23.04	m <sup>2</sup>		
					<i>Contd.....P/3-</i>

# 3 #

15.	Structural steel work in single section fixed with or without connecting plate including cutting, hosting, fixing in position and applying a priming coat of approved steel primer all complete.	14.40	m <sup>2</sup>		
16.	Providing and fixing paneled or paneled and glazed shutters for doors, windows, and clerestory windows including ISI marked black enameled MS butt hinges with necessary screws as per direction(shutter will be 30mm thick with second class teak wood).	3.15	m <sup>2</sup>		
16.	Grading of roof for water proofing treatment with cement concrete grade 1:2:2 (1cement : 2 coarse sand : 2 6mm-12mm hard granite stone chipps) with proper mixing of water proofing compound mixed @ 5kg/50kg of cement and inserting hexagonal wire mesh as per direction.	4.09	m <sup>3</sup>		
17.	Finishing outside wall with Premium Acrylic Smooth exterior paint with Silicone additives of required shade. New Work (Two or more coats applied @ 1.43 litre/10 sqm over a base coat of water proofing cement paint).	178.50	m <sup>2</sup>		
18.	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work : Two or more coat.	146.25	m <sup>2</sup>		
19.	Applying one coat of cement primer of approved brand and manufacture on wall surface.	146.25	m <sup>2</sup>		
20.	Cement concrete flooring 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of net cement including cement slurry and necessary glass joint arrangement of 25mm thick with 12.5mm size hard granite stone aggregate.				
					<i>Contd.....P/4-</i>

# 4 #

21.	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade. Two or more coat on new work over an under coat of suitable ordinary paint.	68.04	m <sup>2</sup>		
22.	Providing asbestos cement 6mm thick corrugated sheets roofing and fixing with polymer coated J or L hooks, bolts and nuts 8mm dia GI plain and bitumen washers complete excluding the cost of purlins, rafters and trusses upto 60 degree pitch.	125.0	m <sup>2</sup>		
23.	Providing and fixing corrugated transparent PVC sheet of minimum 2mm thick as per instruction of the deptt.	28.80	m <sup>2</sup>		
24.	Providing and fixing ridges and hips in asbestos cement sheet roofing with close fitting adjustable ridges.	15	m		
				<b>Total</b>	<b>Rs.</b>

**Signature and seal of competent authority of the department**

**BIDDING DOCUMENTS**  
*(BILL OF QUANTITY)*

**NAME OF THE WORK**

**Construction of Genetics hatchery at CIFA, Kausalyaganga.**

**Total Estimated Cost : Rs. 13,00,580.00**

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