

F.NO.1-3/2019-20EC/HQRS

Date: 15.07.2019

NOTICE INVITING e-TENDERS
(NATIONAL COMPETITIVE BIDDING)

Online bids are invited on single stage two bid systems for the “Renovation of existing building utilized as trainees’ hostel and rest room in the main building at MES of CIBA, Muttukadu” with General terms & conditions and the specifications mentioned in the Annexure II & III.

Tender documents may be downloaded from CIBA web site www.ciba.res.in (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in CRITICAL DATE SHEET as under.

CRITICAL DATE SHEET :

Published Date	15 th July 2019 (05.00 PM)
Bid Document Download / Sale Start Date	15 th July 2019 (05.00 PM)
Bid Submission Start Date	15 th July 2019 (05.00 PM)
Bid Clarification Start Date	15 th July 2019 (05.00 PM)
Bid Clarification End Date	22 nd July 2019 (05.00 PM)
Bid Submission End Date	22 nd July 2019 (05.00 PM)
Bid Opening Date	23 rd July 2019 (05.00 PM)

Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>.

Manual bids are strictly not accepted under any circumstances.

E-procurement system ensures locking on the scheduled date and time. The system will not accept any bid after the scheduled date and time of submission of bid. The Tender Inviting Authority has all the rights to retender or cancel the tender at any stage without mentioning the reasons.

Tenderer / Contractor are advised to follow the instructions carefully provided in **Instructions to Bidders (ITB) and General Condition of Contract (GCC)**, without fail, which are uploaded in our website at www.ciba@res.in under “TENDER”, before submission of your bid. For clarification please send mail to stores@ciba.res.in

Care has been taken to avoid contradiction between stipulation in the ITB, GCC and those in the other sections of the bidding documents. But wherever contradiction arises, if any, stipulations contained in the Schedule of Requirements shall prevail.

Tenderer / Contractor are also advised to follow the instructions provided in the ‘Instructions to the Contractors/Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app>’

Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

Not more than one tender shall be submitted by one contractor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e. when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

Tenderer who has downloaded the tender from the CIBA website www.ciba.res.in and Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app> , <https://eprocure.gov.in/epublish/app> **shall not tamper/modify the tender form including downloaded price bid template in any manner.** In case if the same is found to be tampered / modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with CIBA.

Before the deadline for submission of the online bid, CIBA, Chennai reserves the right to modify the tender document terms and conditions. Such amendment / modification will be notified on website against said tender ID. Intending tenderers are advised to visit again CIBA website www.ciba.res.gov.in and CPPP website <https://eprocure.gov.in/eprocure/app> at least 3 days prior to closing date of submission of tender for any corrigendum / addendum/ amendment.

EMD Payment:

Bid Security EMD	Rs. 40,000/-	In words Rupees forty Thousand Only.
------------------	---------------------	---

Security deposit 5% value of contract (Interest free) including EMD has to be deposited on receipt of this office letter before commencement of work. Earnest Money Deposit is to be deposited by **Demand Draft** in favour of **ICAR Unit, CIBA and payable at Chennai** obtained from any Nationalized/ scheduled Bank valid for six months. Bidders are required to submit the details of EMD payment at the time of Bid Preparation.

All applicable bank charges shall be borne by the applicant and he shall not have any claim what so ever on this account on Government.

Tenderer shall likely to be liable for legal action for non-submission of original payment instrument like DD, etc., against the submitted bid.

Bids will be opened as per date/time as mentioned in the **Tender Critical Date Sheet**. After online opening of Technical-Bid the results of their qualification as well Price-Bid opening will be intimated latter.

Performance Security Deposit:

The Performance guarantee deposit 5% value of work done will be deducted in the Final bill. The EMD/SD/Performance guarantee (Total 10%) will be refunded to the contractor only after completion of performance maintenance period - **one year** from the date of completion of work. No interest will be paid to these deposits. **Performance Security deposit has to be claimed within three years after completion of performance maintenance period, otherwise it would be forfeited.**

Submission of Tender

1. The tender shall be submitted online in two parts, viz., technical and price bid.
2. All the pages of bid being submitted must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.
3. The bids submitted through Post/Telegram/Fax/email shall not be considered and will be summarily rejected.
4. No correspondence will be entertained in this matter.

Technical Bid:

The following documents are to be furnished by the bidder/supplier/Contractor along with Technical Bid as per the tender document in the following order, failing which the competent authority reserves the right to reject the bid at the bid opening stage itself without entertaining for further process.

i) Signed and scanned copy

1. Tender acceptance letter (Annexure-I)
2. Demand Draft pertaining to Earnest Money deposit
3. MSME certificate if claiming EMD exemption
4. PAN card
5. GST certificate
6. Valid registration certificate/copy of enlistment approved by PWD/CPWD or any other Govt dept. and the current date value
7. Affidavit of partnership/proprietary firm if applicable
8. The contractor should furnish /enclose the proof of the execution of civil work in Govt. dept. in any of last three year value of Rs. 30 lakhs and above

Price Bid:

- (a) Price bid undertaking
- (b) Schedule of price bid in the form of BOQ_XXXX.xls.
- (c) There should not be any deviations from the Price bid template that been uploaded with this e-tender, otherwise the bid will be summarily rejected.

PRICE BID UNDERTAKING

From: (Full name and address of the Bidder)

To,
The Director,
Central Institute of Brakishwater Aquaculture,
75, Santhome High Road,
R.A. Puram,
Chennai – 600 028

Dear Sir/Madam,

Sub : Price Bid Undertaking – Reg

CIBA Ref.No. : F.No.1- 3/2019-20/EC/Hqrs

I submit the Price Bid for the **“Renovation of existing building utilized as trainees’ hostel and rest room in the main building at MES of CIBA, Muttukadu”** as envisaged in the Bid document.

- 2. I have thoroughly examined and understood all the terms and conditions as contained in the Bid document, and agree to abide by them.
- 3. I offer to supply/execute the work at the rates as indicated in the price Bid of this tender.

Place :

Yours Faithfully, Date :

Signature of authorized Representative

Schedule of price bid in the form of BOQ_XXXX.xls:

The below mentioned Financial Proposal/Commercial/Price bid format is a model, provided as BoQ_XXXX.xls along with this tender document at <https://eprocure.gov.in/eprocure/app>. Bidders are advised to download this BoQ_XXXX.xls as it is and quote their offer/rates in the permitted column and upload the same in the Price bid. **Bidder shall not tamper/modify downloaded price bid template in any manner.** In case if the same is found to be tempered/modified in any manner, **tender will be completely rejected and EMD would be forfeited** and tenderer is liable to be banned from doing business with.CIBA,Chennai.

	A	B	D	E	F	M	BA	BC	
1	Validate	Print	Help	Item Rate BoQ					
4	Tender Inviting Authority:								
5	Name of Work:								
6	Contract No:								
7	Name of the Bidder/ Bidding Firm								
8	/ Company :								
PRICE SCHEDULE									
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)									
10	NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	NUMBER #	TEXT #	
11	Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	BASIC RATE In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words	
12	1	2	4	5	6	13	53	55	
28	1	Item 1							
29	Total in Figures							0.00	INR Zero Only
30	Quoted Rate in Words							INR Zero Only	
32									

1. The rates shall be quoted in **Indian Rupee only.**
2. The rates has to filled at the particular cells in the BoQ_XXXX.xls such as taxes, fees, levies, etc. and any revision in the statutory taxes, fees, etc will be the responsibility of the Bidder.
3. The payment will be made to the Consultant/Bidder/Supplier at any Bank Account maintained in India by way of ECS/RTGS after deducting the TDS as applicable.
4. The quoted rates shall remain firm throughout the tenure of the contract and no revision is permissible for any reason.

Instructions for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

Registration :

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “**Online bidder Enrollment**” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

Searching for tender documents :

1. There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
2. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
3. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

Preparation of bids:

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and

content of each of the document that need to be submitted. Deviations from these may lead to rejection of the bid.

3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” or “Other Important Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

Submission of bids:

1. Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. Bidder has to select the payment option as “offline” to pay the tender fee / EMD as applicable and enter details of the instrument.
4. Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
5. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

6. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
7. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
8. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
9. Upon the successful and timely submission of bids (ie after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
10. The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

Assistance to bidders :

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

**The Director,
Central Institute of Brackish
water Aquaculture,
No.75.Santhome High Road,
R.A.Puram,
Chennai – 600 028.**

ANNEXURE - I

TENDER ACCEPTANCE LETTER

(To be given on Company Letter Head)

Date:

To,
The Director,
Central Institute of Brackishwater Aquaculture,
No.75. Santhome High Road,
R.A.Puram,
Chennai – 600 028.

Subject : Acceptance of Terms & Conditions of e-Tender – Reg

CIBA Ref No : F.No.1- 3/2019-20/EC/Hqrs

Tender ID: _____

Name of Tender / Work: “Renovation of existing building utilized as trainees’ hostel and rest room in the main building at MES of CIBA, Muttukadu”

Dear Sir,

1. I/ We have downloaded the tender document(s) for the above mentioned ‘Tender/Work’ from the web _____ site(s) _____ namely:

as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from **Page No. 1 to 18** (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organization too has also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety and also unconditionally accept that CIBA, Chennai has the right to accept the whole or any part of the Tender or portion of the quantity offered or reject it in full without assigning any reason.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.

6. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

ANNEXURE - II
GENERAL TERMS & CONDITIONS

1. The quotation/ tender should be submitted through online mode only at <https://eprocure.gov.in/eprocure/app> on or before **22.07.2019 - 17.00hrs.**
2. The right to accept the rates and bidding the work based on the quality and reputation of the firms rests with the DIRECTOR, CIBA and it cannot be challenged. The DIRECTOR, CIBA reserves the right to accept or reject any one or all the quotations without any reason.
3. Quotation may be furnished for **“Renovation of existing building utilized as trainees’ hostel and rest room in the main building at MES of CIBA, Muttukadu”**
5. No advance and any part payment will be made for this work.
6. The rates are to be quoted to have a minimum validity for a period up to **31-03-2020.**
7. Two percent (2 %) of the total billed amount will be deducted towards income tax and the same will be remitted to the IT Department concerned.
8. A demand draft for an amount of **Rs.40,000/- (Rupees forty thousand only)** as Earnest Money Deposit may be drawn in favour of **“ICAR UNIT, CIBA, CHENNAI”** payable at Chennai and the same should be scanned and uploaded along with the technical bid.
9. Security deposit 5% value of contract (Interest free) including EMD has to be deposited on receipt of this office letter before commencement of work.
10. The Performance guarantee deposit 5% value of work done will be deducted in the Final bill. The EMD/SD/Performance guarantee (Total 10%) will be refunded to the contractor only after completion of performance maintenance period - **one year** from the date of completion of work. No interest will be paid to these deposits. **Performance Security deposit has to be claimed within three years after completion of performance maintenance period, otherwise it would be forfeited.**
11. During executing of work any loss/Hazard due to any reason for the men and materials will be borne by the contractor. The Institute will not be responsible for any loss or damage /Hazard.
12. While executing the work, the executing agency is fully responsible for any damage to Institute materials and the same may be replaced (including materials & labour charges for the replacement) by the Contractor at his own cost.
13. The work should be completed on or before **45 days** from the date of issue of work order to the satisfaction of the authority concerned.
14. The rates are to be quoted in the BoQ which is available with the e-tender, and tampering it in any way would lead to the rejection of the bid summarily.
15. For inspection of the site, **Dr. P. Nila Rekha, Principal Scientist, MES of CIBA, (Mobile No.9444303511) or Shri.R.Puthiavan, Asst. Chief Technical Officer, Engg.Cell (Mobile No.9841656547)** may please be contacted between 10.00 hrs to 16.00 hrs on all working days.
16. Payment will be made based on the actual measurements recorded in the ‘CMB’
17. The contractor should furnish/enclose the proof of the execution of work in Govt. dept. in any of last three year value of **Rs.30.00** lakhs and above.

ANNEXURE-III

SCHEDULE FOR “Renovation of existing building utilized as trainees’ hostel and rest room in the main building at MES of CIBA, Muttukadu” .-

Name of work : RENOVATION OF EXISTING BUILDING UTILIZED AS TRAINEES HOSTEL AND REST ROOM IN THE MAIN BUILDUNG AT MES OF CIBA, MUTTUKADU

Note:

- 1. All sanitary fittings are made in jaquar or its equivalent**
- 2. All CPVC/ PVC pipes are made in Ashirvad/Supreme or its equivalent**
- 3. Tiles are made in Somany/Johnson/Kajaria**

Sl.No.	Description of item	Qty	Unit
1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead		
	With cement mortar 1:4 (1cement: 4 coarse sand)	175.00	Sqm
2	Demolishing in cement mortar/ mosaic/ marble/ tiles and disposal of unserviceable material and the rate including cost of all necessary required equipment materials and labour charges ect., as directed by departmental officer.	290.00	Sqm
3	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :		
	75 to 100 mm dia pipe	220.00	Mtr
4	Dismantling of flushing cistern of all types (Ewc,wash basin./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	16.00	Each
5	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	5.00	Cum
6	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :		
	Of area beyond 3 sq. metres	60.00	each
7	Repair and Servicing for the existing door, window and ventilator including replacing of glass , neatly clean the whole ventilator frame, door, necessary materials, & labour charges etc., Complete as directed by the dept. officer	10.00	Sqm
8	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:		
	Cement mortar 1:6 (1 cement : 6 coarse sand)	5.00	Cum
9	15 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand) for wall plastering	135.00	Sqm

10	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622 , of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately)- Make somany/,johnson/,kajaria		
	Size of Tile 600x600 mm	200.00	Sqm
11	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete- Make somany/,johnson/,kajaria		
	Size of Tile 600x600 mm	23.00	Sqm
12	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete- Make somany/,johnson/,kajaria	310.00	Sqm
13	Providing and laying antiskid Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White,Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigments etc., complete- Make somany/,johnson/,kajaria	160.00	Sqm
14	Steel reinforcement for R.C.C. work including straightening, cutting,bending, placing in position and binding all complete upto plinth level.		
	Thermo-Mechanically Treated bars of grade Fe-500D or more	40.00	Kg
15	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns,pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :		
	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	0.50	Cum
16	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment,epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.		

	Granite of any colour and shade	1.00	Sqm
17	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade		
	Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm)	2210.00	Sqm
18	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade		
	One or more coats on old work	260.00	Sqm
19	35 mm thick factory made Solid panel PVC Door shutter, made out of single piece extruded solid PVC profiles, 5 mm (± 0.2 mm) thick, having styles & rails except lock rail) of size 95 mm x 35 mm x 5 mm, out of which 75 mm shall be flat and 20 mm shall be tapered (on both side), having one side thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power, including reinforcing with MS tube of size 40 mm X 20 mm x 1 mm, joints of styles & rails to be mitered cut & joint with the help of PVC solvent cement, self driven self tapping screws & M S rectangular pipes bracket of size 190 mm X100 mm of cross section size 35 mm x 17 mm x 1 mm at each corner. Single piece extruded 5 mm thick solid PVC Lock rail of size 115 mm x35 mm, out of which 75 mm to be flat and 20 mm to be tapered at both ends, having 15 mm solid core in middle of rail section integrally extruded, fixing the styles & rails with the help of solvent and self driven self tapping screws of 125 mm x 11 mm, including providing 5 mm Single piece solid PVC extruded sheet inserted in the door as panel, all complete as per manufacturer's specification and direction of Engineer-in-charge.		
	Non decorative finish (matt finish)	30.00	Sqm
20	Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (± 0.2 mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm & self driven self tapping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5mm PVC frame strip with PVC solvent cement on the back of the profile. The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge	100	metre
21	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.		
	Using M.S. angles 40x40x6 mm for diagonal braces	2.10	Sqm
22	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.	40.00	kg
23	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:		

	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	51.00	Sqm
24	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:- Jaquar or its equivalent		
	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	10.00	each
25	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :		
	610x510 mm bowl depth 200 mm	6.00	each
26	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels/ subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI- 212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guaranteed for 10 years against any leakage.		
	For vertical surface two coats @0.70 kg per sqm per coat	30.00	sqm
27	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels/ subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI- 212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guaranteed for 10 years against any leakage.		
	For horizontal surface one coat @1.10 kg per sqm.	10.00	sqm
28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.		
	Semi rigid pipe (32 mm dia)	6	Each

29	Providing and fixing toilet paper holder :		
	C.P. brass	11	Each
30	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	13	Each
31	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.		
	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	11	Each
32	Providing and fixing vitreous china dual purpose closet suitable for use as squatting pan or European type water closet (Anglo Indian W.C pan) with seat & lid fixed with C.P. brass hinges and rubber, buffers, 10 litre low level flushing cistern with fitting and brackets, 40 mm flush bend, 20 mm over flow pipe, with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:- Jaguar or its equivalent		
33	White vitreous china dual purpose WC pan with white solid plastic seat and lid with white vitreous china flushing cistern and C.P. flush bend.	10	Each
	Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:- Jaguar or its equivalent		
	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	1	Each
34	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. make Ashirvad/supreme or its equivalent		
	Concealed work , including cutting chases and making good the walls etc.		
	20 mm nominal outer dia Pipes	52	Mtr
35	Supplying and fixing Polypropylene ball valves of approved brand (ISI) solvent ect complete including trenching are refilling after testing of joints and pumps, including cost of all required materials and labor charges ect complete as directed by the departmental officers.		
	25 mm nominal inner dia Pipes	2	Nos

36	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.. make Ashirvad/supreme or its equivalents		
	Concealed work , including cutting chases and making good the walls etc.		
	32 mm nominal outer dia Pipes	20	Mtr
37	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.. make Ashirvad/supreme or its equivalent		
	40 mm nominal outer dia Pipes	20.00	Mtr
38	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. make Ashirvad/supreme or its equavalant		
	50 mm nominal outer dia Pipes	20.00	Mtr
39	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. make Ashirvad/supreme or its equavalant		
	25 mm nominal outer dia Pipes	90	Mtr
40	Providing and fixing Polyvinyl Chloride (PVC) pipes for water supply, including all PVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. make Ashirvad/supreme or its equavalant		
	Concealed work , including cutting chases and making good the walls etc.		
	75 mm nominal outer dia Pipes	50	Mtr
	110 mm nominal outer dia Pipes	71	Mtr
41	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet :- Jaquar or its equavalant		
	150 mm diameter	7	Each
42	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.- Jaquar or its equavalant		
	15 mm nominal bore - For shower	7	Each
43	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. Jaquar or its equavalant		
	15 mm nominal bore (over all control each toilet 1 no)	9	Each

44	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931- Jaquar or its equivalent		
	15mm nominal bore (two way type for toilet)	17	Each

केन्द्रीय खारा जलजीव पालन अनुसंधान संस्थान (भारतीय कृषि अनुसंधान परिषद)
#75, संथोम हाई रोड, राजा अण्णामलैपुरम, चेन्नई - 600028, तमिलनाडु, भारत

Phone EPBX: +91 44 24618817, 24616948, 24610565

Fax: +91 44 24610311

Email: director.ciba@icar.gov.in, director@ciba.res.in

