



ಭಾ. ಕೃ. ಅನು. ಪ - ಭಾರತೀಯ ತೋಟಗಾರಿಕಾ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆ
ಹೆಸರಗಟ್ಟೆ ಲೇಕ್ ಪೋಸ್ಟ್, ಬೆಂಗಳೂರು-560 089

ಭಾ.ಕೃ.ಅನು.ಪ.- ಭಾರತೀಯ ಬಾಗವಾನಿ ಅನುಸಂಧಾನ ಸಂಸ್ಥಾನ

ಹೆಸರಗಟ್ಟೆ ಲೇಕ್ ಪೋಸ್ಟ್, ಬೆಂಗಳೂರು - 560 089

ICAR-Indian Institute of Horticultural Research

Hesaraghatta Lake Post, Bengaluru - 560 089

EPABX: 080-23086100 Extn: 218 & 217

FAX: 080-28466291 - Email: purchase.ihr@icar.gov.in



F.No.5-71/2020-21/SP/IIHR/

Dated: 27.10.2020

NOTICE FOR INVITING TENDER THROUGH E-PROCUREMENT

Online Bids are invited from interested firms under **Two bid system (Technical bid/financial bid)** for **Construction of Virus Index Laboratory Building @ CHES Bhubaneswar, ICAR-IIHR (size 12mt x 6 mt x height 3.5mt) (RCC roof structure) at CHES Bhubaneswar Orissa State**, Manual bids will not be entertained.

Tender documents may be downloaded from e-procurement website of CPPP <https://eprocure.gov.in/eprocure/app> as per the schedule given in CRITICAL DATE SHEET as under:

CRITICAL DATE SHEET

Tender No.	F.No.5-71/2020-21/SP/IIHR/
Name of Organization	ICAR-INDIAN INSTITUTE OF HORTICULTURAL RESEARCH, Hesaraghatta Lake Post, Bangalore
Date and Time for Issue/Publishing	27.10.2020 at 04:00 PM
Document Download/Sale Start Date and Time	27.10.2020 at 04:00 PM
Bid Submission start Date and Time	27.10.2020 at 04:00 PM
Bid Submission End Date and Time	18.11.2020 at 03:00 PM
Date and Time for Opening of Technical Bids	20.11.2020 at 11:00 AM
Address for Communication	Asstt. Admn. Officer (Store Purchase), IIHR, Hesaraghatta Lake Post, Bangalore

Sd/-
CHIEF ADMINISTRATIVE OFFICER

INSTRUCTIONS FOR ONLINE BID SUBMISSION

1. The Tender form/bidder documents may be downloaded from the <https://eprocure.gov.in/eprocure/app>. Online submission of Bids through Central Public Procurement Portal (<https://eprocure.gov.in/eprocure/app>) is mandatory. Manual/Offline bids shall not be accepted under any circumstances.
2. Tenderers/bidders are requested to visit the website <https://eprocure.gov.in/eprocure/app> regularly. Any changes/modifications in tender enquiry will be intimated by corrigendum through this website only.
3. In case, any holiday is declared by the Government on the day of opening, the tenders will be opened on the next working day at the same time. The Council reserves the right to accept or reject any or all the tenders.
4. The interested Firms are required to deposit (in original) EMD of **Rs.49,455/-** in the shape of Demand Draft in favour of **THE DIRECTOR, ICAR, UNIT-IIHR payable at Bangalore** may be address to **Asstt. Asstt. Admn. Officer (Purchase), IIHR, Hessaraghatta Lake Post, Bangalore-560089** on or before **bid opening date and time as mentioned in the Critical Date Sheet**.
5. **Please note that only online Bids will be accepted. However hard copy of documents and technical brochures uploaded by the firm deposited to Asstt. Asstt. Admn. Officer (Purchase), IIHR, Hessaraghatta Lake Post, Bangalore-560089 on or before bid opening date and time as mentioned in the Critical Date Sheet.**
6. Bidders need not to come at the time of Technical as well as Financial bid opening at IIHR. They can view live bid opening after login on CPPP e-procurement portal at their remote end. If any dispute arises, Within Bengaluru Jurisdiction only.
7. The firms are also required to upload copies of the following documents for Technical eligibility and Evaluation:-

• **Technical Bid**

1. Scanned copy of Registration with PWD/CPWD/MES/Railways.
2. PAN Card copy
3. GST Number with Registration Certificate
4. Bank details of the firm.
5. Scanned copy of similar contracts to Government Departments.
6. Income Tax Returns for the last three years (2015-16, 16-17, 17-18 or 2016-17, 17-18, 18-19)
7. Profit and loss account & Balance Sheet which are audited & duly certified by the Chartered Accountant for the last three years.
8. Turnover of the business should be Rs.74.00 Lakhs per year, to be certified by Chartered Accountant as per Balance Sheets used for ITR filing.
9. Experience of having successfully completed similar works during last 5 years ending last day of month previous to the one in which bids are invited should be either of the following:
 - a) Three similar completed works costing not less than each or more than i.e. Rs.9,89,108/- (or)
 - b) Two similar completed works costing not less than each or more than i.e. Rs.12,36,385/- (or)
 - c) One similar completed work costing not less than each or more i.e. Rs.19,78,216/-

- (Similar work concept means Construction of Virus Index Laboratory Building, Providing and laying/ Centring and shuttering, Reinforcement for RCC work, Structural steel work, Providing and laying vitrified floor tiles /Installation, etc.)**
10. MSME or Udyog Aadhar or NSIC is a must for EMD Exemption otherwise, firms have to furnish EMD.
 11. Tender acceptance letter (Annexure-V) is mandatory.
 12. Latest copies of the GST returns for the current year/previous year.
- **Financial Bid:-**
 - a) Price Bid as BOQ XXX.xls

Sd/-
CHIEF ADMINISTRATIVE OFFICER

Annexure-II

Terms & Conditions

1. The tenderer shall quote rates, which will include the supply, installation & other incidental charges. GST, if any, should be indicated separately.
2. The rates should be quoted as per the BOQ uploaded on the CPP Portal (reference may be obtained from Annexure-III). GST, if any, should be indicated separately. It must be noted that the contract shall be awarded to the firm which fulfils all the required terms and conditions and remains L-I for any particular items.
3. The firm must also possess valid PAN No. & GST registration number and a copy of the same must also be enclosed with the tender document.
4. Copy of Financial year 2015-16, 2016-17 & 2017-18 or 2016-17, 2017-18 & 2018-19, Income Tax Statement may be furnished.
5. The firm should be in existence for over 05 (Five) years in the trade with the business turnover of not less than Rs. **74 Lakhs** per annum for 2015-16, 2016-17 & 2017-18 or 2016-17, 2017-18 & 2018-19. Chartered Accountant certified profit and Loss account, Balance sheet to this effect may be enclosed.
6. Modification in the tender documents after the closing date is not permissible.
7. The successful firm shall **commence work** within 10 days from the date of confirmed **work order** and if the work not supplied in time then EMD shall be forfeited. The rates quoted shall be valid for one year from the date of opening of tender.
8. The contractor/bidder or his representative may contact the undersigned at **Tel. No. 080-23086100 Extn: 218 & 217** for any further clarification. No variation in terms of quality of the items shall be entertained or else EMD/Security deposit shall be forfeited.
9. The bidder is advised to visit the site of works at his own expenses and obtain all information that may be necessary for preparing the quotation. Submission of quotation is acceptance by the tenderer that he has inspected the site or he is aware of all conditions.
10. The Director, ICAR-IIHR, shall have the right to reject all or any of the offers, accept more than one offer, and assign part of the job without assigning any reason.
11. Merely quoting of lowest rates does not mean that order shall be given to that firm. The competent authority will finally decide on the basis of quality & performance of past installations.
12. The interested Firms are required to deposit (in original) an **Earnest Money Deposit of Rs.49,455/-** amount mentioned against item in the form of Demand Draft from any of the Commercial Bank in favour of **THE DIRECTOR, ICAR, UNIT-IIHR payable at Bangalore** may be address to **Asstt. Admn. Officer (Purchase), IIHR, Hesaraghatta Lake Post, Bangalore-560089 on or before bid opening date and time as mentioned in the Critical Date Sheet**. No quotation shall be considered without the earnest money deposit. Demand draft drawn in favour of any officer other than 'THE DIRECTOR, ICAR UNIT-IIHR payable at Bangalore' will not be accepted and the tender will be rejected. The earnest money will be refunded only after the finalization of the procurement and no interest will be paid on earnest money. The request letter for refund of EMD & performance security is to be submitted by the firm.
13. Rates once finalized will not be enhanced/reduced during the currency of the contract.
14. In case, the successful bidder shows inability at any stage, after the contract is finalized and awarded, for whatsoever reason(s), to honour the contract, the earnest money /performance security deposited would be forfeited.

15. The Director, ICAR-IIHR reserves the right to cancel the contract at any time during the currency period of the contract without giving any reason.
16. The firm, to whom the tender will be awarded, will have to deposit the **performance security equal to 10% of the total amount within 21 days from the date of receipt of work order.** If the services are not found to be satisfactory, the performance security is liable to be forfeited. No interest will be paid on performance security.
17. If any dispute(s) arises between IIHR and the firm with reference to the contract, IIHR will decide it and its decision will be binding on the firms.
18. Bid Validity: 180 days
19. Payment:- No advance or part payment will be given. The payment will be released after satisfactory completion of the work and certificate from the Indentor.
20. **The supplier/firm has to submit the GST return for having remitted the GST amount paid by the institute to the concerned authority within 30 days from receipt of payment from IIHR, Otherwise their EMD and SD/PS will not be released and such firms shall be block listed.**

Payment Terms: In order to facilitate for speedy settlement of payment you are requested to furnish the following details as below:

1. **Name of the firm:**
2. **Name of the Bank:**
3. **IFSC Code of Bank:**
4. **Name of the Account & Account No.:**
5. **Branch Code:**
6. **Amount to be paid:**
7. **E-mail address of the party:**
8. **GST No. and Pan No. Copies**

acceptable'

'Terms & Conditions are

Dated

(Authorized signatory of the firm)

Annexure-III

(Reference for BOQ) (To be quoted in format provided on CPP Portal)

Price bid for “**Construction of Virus Index Laboratory Building @ CHES Bhubaneswar, ICAR-IIHR (size 12mt x 6 mt x height 3.5mt) (RCC roof structure) at CHES Bhubaneswar Orissa State.**”

Sl. No.	Name of item	Quantity	Per unit price* (in figures/words) (as per BOQ)
01	Construction of Virus Index Laboratory Building @ CHES Bhubaneswar, ICAR-IIHR (size 12mt x 6 mt x height 3.5mt) (RCC roof structure) at CHES Bhubaneswar Orissa State *	01 Unit	

*Annexure-VIII

- Items should be of reputed make and suitable for high end elite users
- GST extra as applicable should be indicated separately in the column provided. Otherwise such quotes will be rejected.
- **The work is to be done at at CHES Bhubaneswar Orissa State.**

Note: The above mentioned Financial Proposal/Commercial bid format is 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 Financial 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 IIHR.

Annexure-IV

EPABX: 080-23086100 Extn: 218 & 217
FAX: 080-28466291 - Email: purchase.ihr@icar.gov.in



ICAR-INDIAN INSTITUTE OF HORTICULTURAL RESEARCH

HESSARAGHATTA LAKE POST, BANGALORE-560 089

Name of the Firm _____

Registered/Postal Address _____

1	Permanent Account Number (PAN)	
2	GST Registration No.	
3	Bank Details	
a	Bank Name	
b	Branch Address	
c	Account Number	
d	Type of account (current/saving) MICR No.	
e	IFSC Code	

Date:

Name of the Authorized Signatory

Place:

Stamp & Signature

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date:

To,
The Director,
ICAR-IIHR,
Hesaraghatta Lake Post,
Bangalore-560089.

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No. _____

Name of Tender/Work:

Dear Sir,

1. I/ We have downloaded/obtained 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. _____ to _____ (including all documents lime annexure(s), schedule(s), etc...) which form part of the contract agreement and I/We shall abide hereby the terms/conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/organization too have also been taken into consideration, while submitting this acceptance letter.
4. I/we hereby unconditionally accept the tender conditions of above mentioned tender documents/corrigendum(s) in its totality/entirely.
5. I/we do hereby declare that our Firm has not been black-listed/debarred by any Govt. Department/Public sector undertaking.
6. I/we certify that all information furnished by 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 that 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)

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

- 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.
- As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 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.
- 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.
- 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.
- Bidder then logs in to the site through the secured log-in by entering their users ID/password and the password of the DSC/e-Token.

SEARCHING FOR TENDER DOCUMENTS

- 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.
- 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.
- 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

- **Bidder are requested to visit the site at the institute and discuss with Dr. G.Sangeetha, P.S, before preparing the bid clarify the doubts and understand the requirements.**
- Bidder should take into account any corrigendum published on the tender document before

submitting their bids.

- 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. Any deviations from these may lead to rejection of the bid.
- 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.
- 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

- 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 technical issues.
- The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- Bidder has to select the payment option as 'offline' to pay the tender fee/EMD as applicable and enter details of the instrument.
- 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.
- 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) cell 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.
- 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.
- 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.

- The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- Upon the successful and timely submission of bids (i.e. after clicking 'Freeze Bid Submission' in the portal), the portal will give a successful bid submission message and a bid summary will be displayed with the bid no. and the date and time of submission of the bid with all other relevant details.
- The bid summary has to printed and kept as an acknowledgement of the submission of the bid.

ASSISSTANCE TO BIDDERS

- Any queries relating to the tender documents and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contract person indicated in the tender.
- 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.

Annexure-VII

Details of Equipment's & EMD

Sl. No.	Purchase of item	Qty	Earnest Money in INR	File. No. for reference
01	Construction of Virus Index Laboratory Building @ CHES Bhubaneswar, ICAR-IIHR (size 12mt x 6 mt x height 3.5mt) (RCC roof structure) at CHES Bhubaneswar Orissa State.	01 UNIT	Rs.49,455/-	F.No.5-71/2020-21/SP/IIHR

Note: EMD defined on to the Portal is MINIMUM. Bidder has to submit the EMD as per item for which quoting for.

***WORK at CHES Bhubaneswar Orissa State.**

**Technical Specification for Construction of Virus Index Laboratory Building @ CHES
Bhubaneswar, ICAR-IIHR (size 12mt x 6 mt x height 3.5mt) (RCC roof structure) at
CHES Bhubaneswar Orissa State**

Specification :

Construction of Virus Index Laboratory Building @ CHES Bhubaneswar, ICAR-IIHR (size
12mt x 6 mt x height 3.5mt) (RCC roof structure) at CHES Bhubaneswar Orissa State

No	Details	Unit	Qty
I	Preparation and submission of detailed architectural plans for approval	One job	--
II	Preparation and submission of detailed structural design and drawings for approval	One job	--
III	Preparation and submission of detailed electrical circuit drawings for approval	One job	--
1	Excavation work in foundation trenches or drains not exceeding 1.5 m in width or 10 Sqm on plan including dressing of sides and ramming of bottoms lift up to 1.0mts., including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m – hard soil		
	For Column	Cum	25
	For cabin walls	Cum	4.50
	For toilet walls	Cum	03
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m	Cum	13
3	Providing and laying in position cement concrete of specified grade excluding the cost of cantering and shuttering – All work upto plinth level, 1:4:8 (1 Cement : 4 coarse sand: 10 graded stone aggregate 40mm nominal size)		
	For column foundation	Cum	2.15
	For cabin wall base	Cum	01
	For toilet wall base	Cum	0.50
	Internal flooring	Cum	7.50
	For plinth protection	Cum	04
	For strip foundation	Cum	05
4	Providing size stone masonry with undressed hard stone in foundation and plinth in cement mortar 1:6(1cement: 6coarse sand)		
	For cabin walls	Cum	3.60
	For toilet walls	Cum	2.30
5	Centring and shuttering including strutting, propping etc. and removal of form for all heights		
	For column footing	Sqm	28.80
	For column pedestal	Sqm	28.80
	For columns	Sqm	73.50
	For plinth beam	Sqm	29.70
	Lintel beam	Sqm	39.60
	For roof beam	Sqm	67.74
	For roof slab	Sqm	111
	For chajja	Sqm	54.50
	For cabin and toilet walls plinth beam	Sqm	05

6	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete- Thermo Mechanically Treated bars- ISI	Kg	2,500
7	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, Shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. “(Note: - Cement content considered in this item is @ 330 kg/cum. “Excess/ less cement used as per design mix is payable/recoverable separately). All works up to plinth level (For column footing, pedestal and plinth beam) All works above plinth level up to floor V level (For column , lintel ,chajja, roof beam and roof)	Cum Cum	21 39.30
8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering – 1:3:6 (1 Cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size) For RCC plinth beam on stone work For DPC on parapet wall	Cum Cum	1.38 0.75
9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :Cement mortar 1:6 (1 cement : 6 coarse sand) For all round peripheral wall For cabin wall For toilet wall For parapet wall	Cum Cum Cum Cum	22.33 5.43 3.86 06
10	Structural steel work welded in built up sections, trusses and framed work, railing work including cutting, hoisting, fixing in position providing screws, bolt & nuts etc., and applying a priming coat of approved steel primer all complete for five roof truss i) M.S. Sq 08 mm solid rod – 0.50 kg/mt x 394 mt For window grill and ventilator grill ii) M.S. 20mm flat at – 0.80kg/mt x 53 for window and ventilator grill outer member	Kgs Kgs	268 58
11	Providing & fixing pressed steel door frames manufactured from commercial mild steel sheet of 1.25mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge : Profile B Fixing with adjustable lugs with split end tail to each jamb for main door and cabin door	Mtr	10.60

12	Internal plastering Providing 20mm cement plaster with a floating coat neat cement of mix 1:6 (1cement: 6 fine sand)		
	for Peripheral wall	Sqm	106
	for cabin wall	Sqm	52.50
	for toilet walls	Sqm	23.52
	Ceiling	Sqm	72
13	External rough plaster Rough cast plaster upto 10 m height above ground level with a mixture of sand and gravel or crushed stone from 6 mm to 10 mm nominal size, dashed over and including the fresh plaster in two layers, under layer 12 mm cement plaster 1:4 (1 cement : 4 coarse sand) and top layer 10 mm cement plaster 1:3 (1 cement : 3 fine sand) mixed with 10% finely grounded hydrated lime by volume of cement Ordinary cement finish using ordinary cement		
	For peripheral wall	Sqm	91
	Chajja	Sqm	35.87
	For extended roof portion	Sqm	36
	For roof	Sqm	117.40
	For column	Sqm	72
	For parapet wall	Sqm	66
	For plinth protection	Sqm	33.60
14	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) (NITCO / Orient/ Kajaria/ Somany /Johnson)with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm for floors and skirting	Sqm	71.10
15	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), (NITCO / Orient/ Kajaria/ Somany /Johnson), 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 for toilet walls	Sqm	32.70
16	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) (NITCO / Orient/ Kajaria/ Somany /Johnson), 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 (1cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kgper sqm including pointing in white cement mixed with pigment of matching shade complete	Sqm	4.50
17	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade New work (two or more coats) over and including waterthinnable priming coat with cement primer(Asian Tractor / Jonson	Sqm	325.17

	Nicholson)		
18	Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)(Asian Tractor / Jonson Nicholson)	Sqm	365.60
19	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give even shade including a coat of steel primer for truss and vertical member (Asian Tractor / Jonson Nicholson)	Sqm	24.44
20	Providing and fixing ISI marked (CPWD approved –Kitply / National / Century) flush door shutters non-decorative type, core of block board construction with frame of 1 st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters painted with two coats of enamel paint over a coat of wood primer with neat putty etc: 30mm thick including ISI marked Stainless Steel butt hinges with necessary screws, aluminum handles, aldrops and painting with enamel paint etc complete. For main door and cabin door	Sqm	4.62
21	Providing and fixing 30mm thick factory made PVC rigid foam paneled door shutters manufactured by M/s.Rajshri or equivalent made from M.S. tube 19 x 19 mm 19 gauge for styles and 15 x 15mm for top and bottom rails, covered with heat moulded PVC “C” channel of 5mm thick sheet and 30 x 50mm wide to form styles and 5mm thick and 75mm wide pre-laminated PVC sheets for top rail, lock rail and bottom rail on either side and 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail, including making necessary cuts and groves in the shutter for Paneling of 5mm thick PVC sheet pre-laminated beading on either side M.S. frame welded/sealed to the styles and rails with 5x30mm pre-laminated PVC sheet beading on either side and jointed together with solvent cement adhesive etc., complete as per specification and direction of engineer in charge fixed to frames with 4 nos MS powder coated butt hinges including fixing handle, tower bolt and aldrops (for internal shutters)	Sqm	3.78
22	Providing fixing factory made PVC door frame manufactured by M/s Rajashri or equivalent of size 50 x 47 mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet mitred at corners and joined with 2nos of 150mm long brackets of 15mm x 15mm MS square tube, the vertical door profiles to be reinforced with 19 x 19 mm MS square tube of 19 gauge, EPDM rubber gasket weather seal to be provided throughout the frame. The door frame to be fixed to the wall using MS screws of 65/100mm size complete as per manufactures specification and direction of Engineer in charge	Mts	10.40
23	Providing and fixing aluminium work for windows with extruded built up standard tubular sections/ appropriate z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall		

	<p>be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately) :</p> <p>Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15</p> <p>a) For window frames (three track frame) for bottom member (116mm x 36.50mm- 1.65 kg/m x 58mt)</p> <p>For sliding windows shutters including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of PVC/Neoprene gasket as required</p> <p>Sliding shutter</p> <p>b) Top and bottom 30mt x 0.753 kg/mt (43 mm x 25 mm- 0.753 kg/mt)</p> <p>c) Sides 24mt x 0.673 kg/mt(43 mm x 25 mm- 0.673 kg/mt)</p> <p>d) For central 48mt x 0.842 kg/mt(43 mm x 25 mm- 0.842 kg/mt)</p> <p>e) For fixing glass and mesh 204mt x 0.101 kg/mt(19.05 mm x 12.27 mm- 0.101 kg/mt)</p>	Kg	95.70
		Kg	22.59
		Kg	16.15
		Kg	40.40
		Kg	20.60
24	<p>Providing and fixing glazing in aluminium window shutters etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):</p> <p>With float glass panes of 4.0 mm thickness (Modi guard / Saint Gobain)</p>	Sqm	34.50
25	<p>Providing and fixing approved make and quality stainless steel insect proof mesh as per approved sample with all fixtures, aluminum strips, etc complete as per directions for sliding windows.</p>	Sqm	17
26	<p>Providing & fixing press release metal Star Lock (150mm) for sliding window shutters etc. complete</p>	Each	30
27	<p>Supplying and laying of PVC pipes for drainage system (6Kg/cm² – ISI – Finolex/Supreme/Kisan/Prince) with all required collars, bends, elbows, Tees, sockets, bush, pipe clip, traps , clamps gratings and required fittings as required at site PVC solution etc complete as per directions</p> <p>150mm dia pipe – from building to septic tank</p> <p>110mm dia pipe – from IWC to out pipe</p> <p>50mm dia pipe- from sink to main pipe</p>	Rmt	50
		Rmt	12
		Rmt	12
28	<p>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes (Ashirvad / Astral), 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, 20 mm nominal outer dia Pipes for tank inlet water supply for external work</p>	Rmt	50
29	<p>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having</p>	Rmt	25

	thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clampsat 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 Concealed work , including cutting chases and making good the walls etc. 15 mm nominal outer dia Pipes		
30	Supplying & fixing double walled PVC overhead water tank 500 lts 1 nos. (Sintex /Kaveri / Fusion)	Lts	1,000
31	Providing and fixing 50 mm PVC ball valve of approved quality with necessary fitting	Each	03
32	Providing & fixing brass bib cock of approved quality 15mm nominal bore with necessary fitting	Each	2
33	Providing and fixing brass Angle cock of approved quality 15 mm nominal bore with necessary fitting (Jal / Plumber / Omco / EssEss)	Each	3
34	Providing and fixing gun metal gate with C.I. wheel of approved quality (screwed end) 20 mm nominal bore with necessary fitting including reducers (Neta-ISI)	Each	3
35	Providing and fixing ball valve (Brass) of approved quality, high or low pressure, with plastic floats complete 20 mm nominal bore (Kohinoor-white ball)	Each	1
36	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 liter low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement 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 W.C. pan with ISI marked white solid plastic seat and lid (Parry ware- Model-- Close coupled (EWC)AVON-N—BRISTOL-N) (Hind ware- Model—Classic 220 Catalogue No: 20041)	Each	02
37	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:White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap heavy (Jal/Omco) (Hindware Model number – Cleo) (Parry ware Model number – C0491)	Each	02
38	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings(Hindware / Parry ware Pedestal – C0491)	Each	02
39	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms	Each	02

40	Providing and fixing 600x450 mm bevelled 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	Each	02
41	Constructing soak pit 1.20x1.20x1.20 m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design	Each	01
42	Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) along the drain line and for stop cock, with C.I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick, finished with a floating coat of neat cement complete as per standard design :With common burnt clay F.P.S.(non modular) bricks of class designation 7.5 along the drain at corners of the building for drain outlet, inspection and cleaning	Each	04
43	Providing and fixing white vitreous china laboratory sink with C.I.brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 600x450x200 mm	Each	02
44	Supplying and fixing of stainless steel two way tap pillar cock of standard make with required fittings complete	Each	02
45	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete Flexible pipe 32 mm dia	Each	04
46	Providing and fixing 100 mm sand cast Iron grating for gully trap	Each	05
47	Providing and fixing toilet paper holder Vitreous china	Each	02
48	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.	Each	03
49	Supplying and spreading of quarry stone dust (75mm Thk) as per directions	Cum	1.50
50	Providing & fixing / laying Cobblestones (Classic) of compressive strength >30N/sqmm 60mm Thk (Grey) Hydraulic/Pneumatically compacted, concrete inter lock pavement blocks (Heavy duty) including preparing the sub base, laying out, cutting, vibrating to final level & filling rock dust to joints etc. Complete	Sqm	14.40
51	Supplying and fixing precast cement concrete kerb stone of approved profile (45 x 35 x 150) curing etc. complete	Nos	27
52	Providing and fixing at site M.S. Square tube of 40x 40mm, 14 gauge all-round frame and welded with 15 x 3 mm lugs 10 cm. long embedded in cement concrete blocks of size 15 x 10 x 10 cm of 1:3:6 (Cement, coarse sand, graded stone aggregate 20 mm nominal size) including vertical M.S. 14 gauge square tube member for fixing 2 Nos. CRCA sheets shutters of 18 gauge having central full length vertical stiffeners 65 mm wide, channel depth of 25mm of CRCA sheet, 3 Box type hinges per shutter with lock as per sample steel cupboard etc., complete	Sqm	16

	including fixing of 4 Nos. of racks of size 530 mm wide, 30 mm thick with CRCA sheet 18 Gauge with length wide stiffness (85/20) supported and bolted suitably on 4 members MS Slotted Angle legs of 40x40x3 mm at equal spacing including priming coat and 2 coats spray painting with synthetic enamel paint of approved colour and brand. The cost shall include completing, fixing in position including cutting the masonry plastering filling in gaps with approved brand putty and applying 2 or more coats of oil bound distemper for uniform shade on walls wherever required etc., complete as per direction at site.		
53	Supplying and laying of PVC pipes for rain water out let pipe (6Kg/cm ² – ISI – Finolex/Supreme/Kisan/Prince) with all required collars, bends, elbows, Tees, sockets, bush, pipe clip, traps , clamps and required fittings as required at site PVC solution etc complete as per directions for rain water pipe 110mm dia pipe	Rmt	14

Sd/-
CHIEF ADMINISTRATIVE OFFICER