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ಹೆಸರಗಟ್ಟ ಕೆರೆ ಅಂಚೆ, ಬೆಂಗಳೂರು-560 089
ಭಾ.ಕೃ.ಅನು.ಪ.- ಭಾರತೀಯ ಬಾಗವಾನಿ ಅನುಸಂಧಾನ ಸಂಸ್ಥಾನ
ಹೆಸರಗಟ್ಟ ಲೇಕ ಪೋಸ್ಟ, 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.iihr@icar.gov.in

F.No.5-58/2024-25/SP-WU/IIHR/323318

Dated:23.07.2024

NOTICE FOR INVITING TENDER THROUGH E-PROCUREMENT

Online Bids are invited from interested firms under **Two bid system (Technical bid/financial bid)** for : **Renovation to Type-I-16 Nos QRTS @ IIHR Residential complex, H'ghatta, Bengaluru**, 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.5-58/2024-25/SP-WU/IIHR/323318 |
| Name of Organization | ICAR-INDIAN INSTITUTE OF HORTICULTURAL RESEARCH, Hesaraghatta Lake Post, Bangalore |
| Date and Time for Issue/Publishing | 23.07.2024 at 05:00 PM |
| Document Download/Sale Start Date and Time | 23.07.2024 at 05:00 PM |
| Bid Submission start Date and Time | 23.07.2024 at 05:00 PM |
| Bid Submission End Date and Time | 12.08.2024 at 03:00 PM |
| Date and Time for Opening of Technical Bids | 14.08.2024 at 10:00 AM |
| Address for Communication | Senior Administrative Officer (Purchase), IIHR, Hesaraghatta Lake Post, Bangalore |

Sd/-
CHIEF ADMINISTRATIVE OFFICER(SG)

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 Firms are required to deposit (in original) **EMD of Rs.48,000/-** in the shape of Demand Draft in favour of **THE DIRECTOR, ICAR, UNIT-IIHR payable at Bangalore** may be addressed to **Senior Administrative Officer (Purchase), IIHR, Hesaraghatta 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.**
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. **No EMD exemption is given for MSME/ Udyog Aadhar or NSIC and other firms**

2. Scanned copy of the documents Registered with PWD/CPWD/MES/Railways.
3. PAN Card copy
4. GST Number with Registration Certificate
5. Bank details of the firm.
6. Income Tax Returns for the last three years (2021-22,2022-23,2023-24).
7. Profit and loss account & Balance Sheet which are audited & duly certified by the Chartered Accountant for the last three years (2021-22,2022-23,2023-24).

8. Turnover of the business should be Rs.60.00 Lakhs per year (2021-22,2022-23,2023-24). And Chartered Accountant certified profit and Loss account; Balance sheet to this effect may be enclosed.
9. Scanned copy of work/supply order for 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 the amount equal to 40(forty) percent of the estimated cost of Rs.9,79,000/- each
or
 - b) Two similar completed works costing not less than the amount equal to 50(Fifty) percent of the estimated cost of Rs.12,24,000/- each
or
 - c) One similar completed works costing not less than the amount equal to 80 (eighty) percent of the estimated cost of Rs.19,59,000/- each

(Similar work: Inside outside repainting, replacement of toilet doors. providing WPC doors, aluminum window shutters & doors, providing Indian Water Closet, providing UPVC pipes, removal of CI drain pipes , providing PVC pipes, roof water proofing)

10. Tender acceptance letter (Annexure-V) is mandatory.

11. Latest copies of the GST returns for six months (July to December,2023)

- **Financial Bid:-**

- a) Price Bid as BOQ XXX.xls
- b) **Evaluation criteria:** Tender will be awarded to the lowest quoted Firm among those firms qualified in the Technical Bid. In case, two or more firms quote the same amount in r/o all the items work together as a whole, then the tender will be awarded to the Firm which has got more average turnover in the last 3 years, based on IT returns/Profit & Loss account/Turnover duly certified by the CA and uploaded along with Tender through CPP.

Sd/-

CHIEF ADMINISTRATIVE OFFICER(SG)

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 **Total cost**.
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. **Latest copies of the GST returns for six month(July to December,2023)**
5. Copy of Income Tax Return Statement may be furnished for the Financial year 2021-22,2022-23,2023-24.
6. Profit and loss account & Balance Sheet which are audited & duly certified by the Chartered Accountant for the last three years (2021-22,2022-23,2023-24).
7. **Turnover of the business should be Rs.60.00 Lakhs per year (2021-22,2022-23,2023-24). And Chartered Accountant certified profit and Loss account; Balance sheet to this effect may be enclosed.**
8. Modification in the tender documents after the closing date is not permissible.
9. The successful firm shall **commence work** within 10 days from the date of confirmed **work order** and if the work not completed in time then EMD shall be forfeited. The rates quoted shall be valid for one year from the date of opening of tender.
10. The contractor/bidder or his representative may contact the undersigned at **Tel. No. 080-23086100 Extn: 217 & 211** for any further clarification. No variation in terms and quality of the items/specifications shall be entertained or else EMD/Security deposit shall be forfeited.
11. 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.
12. 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.
13. 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.
14. The Firms are required to deposit (in original) an **Earnest Money Deposit of Rs.48,000/-** 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 **Senior Administrative Officer (Purchase), IIHR, Hessaraghatta 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.
15. Rates once finalized will not be enhanced/reduced during the currency of the contract.
16. 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.

17. 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.
18. The firm, to whom the tender will be awarded, will have to deposit the **performance security equal to 5% of the total quoted amount at which the Tender will be awarded within 21 days from the date of receipt of work order and the same will be retained during the Defect liability period(warranty) of One year. In the sense, for any material and execution defects, the firm has to set right the defects within 10 working days and maintain the said work.** 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.
19. 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.
20. Bid Validity: 90 days
21. Payment:- No advance or part payment will be given. The payment will be released after satisfactory completion of the work and certificate from the Engineer.
22. **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 blocklisted.**
23. **No EMD exemption is given for MSME/ Udyog Aadhar or NSIC and other firms**
24. GST extra as applicable should be indicated separately in the column provided. Otherwise such quotes will be rejected.

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

‘Terms & Conditions are acceptable’

Dated

(Authorized signatory of the firm)

Annexure-III

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

Price bid for: : **Renovation to Type-I-16 Nos QRTS @ IIHR Residential complex, H'ghatta, Bengalur**

| Sl. No. | Name of item | Quantity | Per unit price* (in figures/words) (as per BOQ) |
|---------|--|----------|---|
| 01 | : Renovation to Type-I-16 Nos QRTS @ IIHR Residential complex, H'ghatta, Bengalur * | 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.**
- **ICAR-IIHR , Bangalore.**

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.iihr@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 like 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 ICAR-IIHR, Bangalore, Karnataka and discuss with ACTO(Works), ICAR-IIHR, Bangalore 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 Works & EMD

| Sl. No. | Purchase of item | Qty | Earnest Money in INR | File. No. for reference |
|---------|---|---------|----------------------|---------------------------|
| 01 | Renovation to Type-I-16 Nos QRTS @ IIHR Residential complex, H'ghatta, Bengalur ** | 01 UNIT | Rs.48,000/- | F.No.5-58/2024-25/SP/IIHR |

Note:

- 1) EMD defined on to the Portal is MINIMUM. Bidder has to submit the EMD as per item for which quoting for.
- 2) **No EMD exemption is given for MSME/ Udyog Aadhar or NSIC and other firms**

* ICAR-IIHR ,Bangalore, Karnataka.

**TECHNICAL SPECIFICATION FOR : Renovation to Type-I-16 Nos QRTS @ IIHR
Residential complex, H'ghatta, Bengalur.**

| Sl. No. | Details | Unit | Qty. |
|---------|--|------|-------|
| | Internal repainting Type-I-16nosQRTS | | |
| 1 | Removing dry or oil bound distemper, waterproofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete | Sqm | 2,350 |
| 2 | Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface Water thinnable cement primer | Sqm | 2,350 |
| 3 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete(Birla and equivalent) | Sqm | 650 |
| 4 | Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. ,As per manufacturer's specification.(Asian Tractor/Jonson Nicholson /Berger/Nerolac) | Sqm | 2,350 |
| 5 | 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(Asian Tractor/Jonson Nicholson/Berger/Nerolac)for windows, doors | Sqm | 560 |
| 6 | Providingplastering12mmcementplasterofmix:1:6(1cement:6 fine sand) | Sqm | 100 |
| 7 | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground Within 50meters lead. | Sqm | 100 |
| | External repainting | | |
| 8 | Removing white or colour wash and epoxy paint by scrapping and sand Papering and preparing the surface smooth including necessary repairs to scratches etc. complete | Sqm | 1,000 |

| | | | |
|----|---|------|-------|
| 9 | Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On concrete work, for exterior outer top band and for chajjas (Asian Tractor/ Jonson Nicholson/Berger/Nerolac) | Sqm | 235 |
| 10 | Finishing walls with Acrylic Smooth exterior paint of required shade Old work (One or more coat applied @ 0.90 ltr/10 sqm).for window chajja and sills (Asian Tractor/Jonson Nicholson/Berger/Nerolac) | Sqm | 1,000 |
| 11 | Applying one coat of water thinnable cement primer of (Asian Tractor Premium/Jenson Nicholson)on wall surface Water thinnable cement primer | Sqm | 1,000 |
| 12 | Providing plastering 12mm cement plaster of mix: 1:6 (1 cement: 6 fine sand) | Sqm | 50 |
| 13 | Providing roof waterproofing with three layer acrylic based with acrylic water proofing sealer - primer coat, water proofing coating, one acrylic powder coating and final-sealing coat with another water proofing coating complete as per manufacturer's specifications and directions. For Chajjas only | Sqm | 125 |
| 14 | Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead. | Sqm | 50 |
| | Toilet works | | |
| 15 | 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 White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests (Jaquar, Cera, Hindware) | Each | 16 |
| 16 | Supplying and fixing 25 mm thick one piece WPC solid flush door shutters as per approved sample with necessary Stainless steel hinges, SS alldrop one number , handle two nubers, tower bolt two numbers , the PVC door to be cut to the size of the door opening available as Required at site | Sqm | 61 |
| 17 | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) (Astral / Finolex / Ashirvad) 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 20mm nominal dia Pipes | Rmt | 135 |
| | 25mm nominal dia Pipes | Rmt | 50 |
| 18 | Supplying and fixing of CPVC gate valve 20mm as per standards | Each | 16 |
| 19 | Providing and fixing brass bib cock of approved quality 20mm nominal bore as per approved sample as per approved sample only | Each | 80 |
| 20 | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction Nominal concrete 1:3:6 or richer mix(i/c equivalent design mix) | Cum | 01 |
| 21 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources:6 graded stone aggregate 20mm nominal size derived from Natural sources) | Cum | 01 |
| 22 | Providing and fixing 100 mm stainless steel grating for gully trap | Each | 16 |
| 23 | Providing and fixing 100mm Por Strap as required at site for IWC at toilets | Each | 16 |
| 24 | Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead 100mm dia pipe | Rmt | 200 |
| 25 | Supplying and laying fixing PVC pipes (4kg/cm ² -ISI- Finolex /Supreme/Kisan/Prince/Canara/Ashirvad) with all required collars ,bends, elbows, tees, sockets, bush with pvc solvent etc. including providing PVC clamps at every one meter, complete as required at site 100mm for sewer line | Rmt | 135 |
| | 75mm dia pipe for drain pipes and vent pipes | Rmt | 100 |
| | Providing Main entrance doors and balcony doors where ever required(estimated 12 doors) | | |
| 26 | 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 35mm thick including ISI marked Stainless Steel butt hinges with necessary screws, as per approved sample for main doors and Balcony doors | Sqm | 18 |
| 27 | Supplying and fixing Stainless steel handles(as per approved sample)for | Each | 30 |

| | | | |
|----|---|------|------|
| | Doors as per approved sample fixing with necessary SS screws | | |
| 28 | Supplying and Stainless-steel fixing tower bolt 150mm length as per Approved sample | Each | 30 |
| 29 | Supplying and fixing Stainless steel all drop as per approved sample | Each | 16 |
| 30 | Removing and reefing wooden doors with necessary SS hinges and screws where ever necessary for (approximately ten doors) | Sqm | 16 |
| | Aluminium entrance door shutter with SS mesh | | |
| 31 | Providing and fixing aluminium work for door 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 be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron) for main entrance door for GF only | Kg | 40 |
| 32 | Providing and fixing approved make and quality stainless steel insect Proof mesh as per approved sample with all fixtures, wherever necessary aluminum strips, etc complete as per directions for windows | Sqm | 17 |
| 33 | Providing and fixing wooden moulded beading for hing side of door with iron screws, plugs etc. complete wood 35 x 12mm | Rmt | 16 |
| 34 | Supplying and fixing of three aluminium hinges with necessary screws Plugs etc. | Nos | 24 |
| 35 | Supplying and fixing of two aluminium handle with necessary screws Plugs etc. | Nos | 16 |
| 36 | Supplying and fixing of aluminium magnetic catch for each door with Necessary screws plugs etc. | Nos | 08 |
| 37 | Demolishing R.C.C. work manually/by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 meters lead | Cum | 0.75 |

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|----|---|------|----------------|
| 38 | Providing and constructing concrete block masonry using 150x200x400 mm solid core compact concrete block | Sqm | 05 |
| 39 | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources:6gradedstoneaggregate20mmnominal sizederivedfrom Natural sources) | Cum | 0.50 |
| 40 | Providing Cement plaster 1:6 (1 cement:6 fine sand) finished with a floating coat of neat cement. 12 mm cement plaster coat of neat cement. | Sqm | 120 |
| 41 | Supplying and fixing of CPVC gate valve 20mm as per standards | Each | 02 |
| 42 | Supplying and fixing Triple layer PVC overhead tank with necessary bush, fittings etc., complete as required at site 500 lts tank | Lts | 500 x 12nos |
| 43 | 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 20 mm nominal dia Pipes | Rmt | 50 |
| | For Type-I-16 nos QRTS All windows to be provided with aluminium sliding shutter with glass and SS mesh (as in old PG line this facility is not there so it is difficult for them as mosquito menace and spreading disease especially fever so to safe guard students health that's why this work is considered) | | |
| 44 | Providing and fixing aluminium work for windows and ventilators fixed portion 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 be smooth, rust free, straight, mitred and jointed mechanically wherever required Including cleat angle, Aluminium snap beading for glazing/paneling, C.P. brass / stainless steel screws, all complete. (Glazing, paneling and dash fasteners to be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron) | Kg | 400 |

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|----|--|------|-----|
| 45 | For shutters of doors, windows & ventilators (for ventilators hinges to be provided wherever required as per site condition)including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required(Fittings shall be paid for separately)Powder coated aluminium (minimum thickness of powder coating 50 micron) | Kg | 272 |
| 46 | Providing and fixing glazing in aluminium window shutters and ventilators 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):With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm) plain glass(Modiguard/SaintGobain) | Sqm | 65 |
| 47 | Supplying fixing standard star lock for sliding window shutters as per Approved sample | Each | 96 |
| 48 | Supplying and fixing with close nit SS mesh as per approved sample for Aluminium shutters | Sqm | 37 |
| 49 | Taking out windows shutters(steel or wood)including stacking within 50 Metres lead Of area 3sq.metres and below | Each | 176 |
| 50 | Supplying and fixing 1''x1''weld mesh as per approved sample to be Welded to windows to avoid rat and monkey menace | Sqm | 50 |
| 51 | Removing the existing window grill and mesh from the present position and refixing the same to the outer flush of windows including cutting grinding finishing welding | Sqm | 85 |
| 52 | Steel work in built up tubular(round, square or rectangular hollow tubes etc.)trusses etc. ,including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, etc. complete. For Providing additional horizontal members at bottom to avoid monkey menace | Kgs | 135 |
| 53 | Providing and fixing 32mm Thick polished cuddapah slab to size for Chamber covers as required at site | Sqm | 20 |

**Sd/-
CHIEF ADMINISTRATIVE OFFICER(SG)**