

PRASAR BHARATI

BROADCASTING CORPORATION OF INDIA
OFFICE OF THE SUPERINTENDING ENGINEER (CIVIL)
CIVIL CONSTRUCTION WING, AKASHVANI,
MUMBAI – 400020



N.I.T.

NO. : SEB/NIT/MUM/FTII/VIPGH/PUNE/20082025 Dated :20.08.2025

NAME OF WORK : **Creation of additional spaces and upgradation of existing VIP Guest House at FTII, Pune.**

ESTIMATED COST : **Rs.1,89,67,890/-**
(Rs. One crore Eighty Nine Lakhs Sixty Seven Thousand Eight Hundred Ninety only)
(Rs. 1 36 02 864/- (Civil) +
Rs. 53 65 026/- (Electrical)

EARNEST MONEY DEPOSIT : **Rs.3,79,358/--**

SECURITY DEPOSIT : **2.50% OF WORK DONE AMOUNT**

PERFORMANCE GUARANTEE : **5% OF TENDERED VALUE**

TIME LIMIT : **5 (Five) Months**

Certified that this NIT contains pages from 1 to 72 in serial order and approved for Rs.1,89,67,890/-only.

“APPROVED”

**SUPERINTENDING ENGINEER
CCW,Akashvani,Mumbai 20**

I N D E X

Name of work : Creation of additional spaces and upgradation of existing VIP Guest House at FTII, Pune .

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SUPERINTENDING ENGINEER (CIVIL)
CCW AKASHVANI PB (IPSB) MUMBAI-20

PART - A

**PRASAR BHARATI
(IPSB)
CCW, AKASHWANI, PUNE-16
NOTICE INVITING e-TENDER**

The Executive Engineer (Civil), Civil Construction Wing, AKASHVANI, PB(BCI), 1085, Ganesh khind road, Pune Invites on behalf of President of India online Composite Item rate tenders from approved and eligible contractors of CPWD and those of appropriate list of BSNL, MES, Railways, Department of Post and state PWD (B & R) of Maharashtra state for following work:-

Sl. No.	Name of Work	Estimated Cost	Earnest Money Deposit	Time Limit	Last date and time of online submission of Tender	Last date & time to submit hard copies of other documents by the lowest tenderer only	Time and date of opening of e-Tenders
SEB/NIT/MUM/FTII/VIPGH/PUNE/20082025	Creation of additional spaces and upgradation of existing VIP Guest House at FTII, Pune.	Rs. 1,89,67,890/-	Rs. 3 79 358/-	Five Months	10/09/2025 upto 15.00 Hours.	Within seven days after date of opening of tenders	10/09/2025 at 15.30 Hours

For further details, log on to <https://prasarbharati.eproc.in>

Note - Applicants are advised to keep visiting the above mentioned web-sites from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respect including updated thereof, if any. An incomplete application may be liable for rejection.

**EXECUTIVE ENGINEER (CIVIL)
CCW AKASHVANIPB(IPSB) PUNE-16**

**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING
FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE**

NIT NO.SEB/NIT/MUM/FTII/VIPGH/PUNE/20082025

The Executive Engineer (Civil), Civil Construction Wing, AKASHVANI, PB(BCI), 1085, Ganesh khind road, Pune Invites on behalf of President of India online Composite Item rate tenders from approved and eligible contractors of CPWD and those of appropriate list of BSNL, MES, Railways, Department of Post and state PWD (B & R) of Maharashtra state for following work:-

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1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he consider himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://prasarbharati.eproc.in> free of cost.

Applicants are advised to keep visiting the above mentioned web-sites from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respect including updates thereof, if any. An incomplete application may be liable for rejection.

4. The bid can only be submitted after **depositing Processing Fee in favour of M/s. C1 INDIA Private Limited** and depositing original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CCW, Akashvani within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Bankers Cheque or Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of Commercial Banks (drawn in favour of “**Executive Engineer (Civil), CCW , AKASHVANI, PRASAR BHARATI (BCI), Pune**”) towards EMD and other documents as specified.

5. Those contractors who are not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
6. The intending bidder must have valid class-III digital signature to submit the bid.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. Contractor can upload documents in the form of **JPG** format and **PDF** format.
- ~~9. In case of e-tendering, integrity Pact (IP) shall be treated in the same manner as other components of the bid document. In e-tendering the intending bidder does not sign any documents physically and entire bid document is submitted through digital signature. Since IP is a part of bid document no separate physical submission is required with other documents to be submitted in the office of tender opening authority. In addition to other component of bid document, the integrity pact shall also be signed between Executive Engineer & successful bidder after acceptance of bid.~~
10. **The Bidder should possess Certificate of Registration for GST. It is mandatory to upload scanned copies of all the documents including GST registration if these documents are not uploaded, then bid will become invalid and shall summarily be rejected.**

The Bidder(s) shall quote all-inclusive rates including all taxes, GST etc. against the items in the schedule of quantities and nothing extra shall be payable. As bidders rate are inclusive of all taxes, no reimbursement of any tax shall be made . The Clause of GCC 2023 of NIT/Contract stands modified accordingly.

Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue.

In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0".

Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).

11. **The Bidder should examine the various provisions of CGST Act 2017, IGST Act 2017 / UGST Act 2017, SGST Tax 2017 of the respective state and up to date amendments issued from time to time and other applicable taxes before bidding / tendering. The bidder shall also confirm to the rules made under these Acts.**
12. **The Bidder shall ensure that benefit of Input tax Credit (ITC) likely to be availed by them is duly considered by them while quoting rates.**
13. **The Bidder shall submit the Invoice of the work executed as per Rule 46 of the CGST rules. The taxes will be calculated as per Rule 35 of CGST Rules 2017.**
14. **TDS on Income tax, labourcess and other statutory deductions shall be made at source as per prevalent laws. TDS on GST as and when become applicable will also be deducted as per relevant GST Act / Rules / Notifications.**
15. **List of Documents to be scanned and uploaded within the period of bid submission:**
 - 1) Scanned copy of Treasury Challan/Demand Draft/Pay order or Banker`s Cheque /Deposit at Call Receipt/FDR/Bank Guarantee of any Scheduled Bank against EMD (must be submitted as a Single instrument. If a part of EMD is submitted in the form of Bank Guarantee, the balance should be single instrument)

- II) Receipt of Deposition of Original EMD submitted.
- III) Valid Enlistment Order of the Contractor of Eligibility Class.
- IV) Certificates of Work Experience (if required from non CPWD and CPWD class II and below contractors)
(Certificates of Work Experience must have full credentials of the issuing authority viz. complete postal address, landline / contact number, e mail address etc. for verification purpose)
- V) Affidavit (as per clause 1.2.2 in CPWD-6) with Name of Work and NIT NO., On non judicial stamp paper of Rs. 100/- duly notarized.
- VI) Two letters from CPWD class I contractors as specified under clause 1.2.3 of CPWD 6 (if applicable).
- VII) GST Registration Certificate if already obtained by the bidder and Acknowledgement of up to date filed returns i.e. upto **previous Quarter of current financial year** .
If the bidder has not obtained GST registration as applicable, then he shall scan and upload following under taking along with bid documents.
"If work is awarded to me, I/we shall obtain GST registration certificate, as applicable, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard".
- VIII) Certificate regarding Minimum turn over of the agency being **180.00** Lakh certified by Chartered Accountant .
- IX) Solvency Certificate of 40% of the estimate cost, addressed to "whom so ever it may concern" and not older than 6 months from the date of advertisement.

The bidder shall be required to produce original documents for verification within stipulated period in the office of Executive Engineer(C), CCW, AKASHVANI, Pune.

EXECUTIVE ENGINEER (CIVIL)
CCW AKASHVANIPB(IPSB) PUNE-16

PRASAR BHARATI
(India's Public Service Broadcaster)
CIVIL CONSTRUCTION WING, AKASHVANI
NOTICE INVITING e-TENDER

The Executive Engineer (Civil), Civil Construction Wing, AKASHVANI, PB(BCI), 1085, Ganesh khind road, Pune Invites on behalf of President of India online Composite Item rate tenders from approved and eligible contractors of CPWD and those of appropriate list of BSNL, MES, Railways, Department of Post and state PWD (B & R) of Maharashtra state for following work:-

Name of work : Creation of additional spaces and upgradation of existing VIP Guest House at FTII, Pune.

The work is estimated to cost **Rs.1 89 67 890/- (Rs. 1 36 02 864/- (Civil) + Rs. 53 65 026/- (Electrical))**. This estimate, however, is given merely as a rough guide.

- 1.2 Intending bidder is eligible to submit the bid provided he has definite proof from the appropriate authority not below the rank of Executive Engineer or equivalent and which shall be to the satisfaction of the competent authority, of having satisfactorily completed Similar works **(Similar work means Construction of Building)** of magnitude specified below. The similar work should have been executed in last **7 years** ending last day of the month previous to the one in which the bids are invited.

Criteria of eligibility for submission of bid documents(for CPWD class II & below and non CPWD contractors):

1.2.1

THREE Similar works each of value not less than 40% of estimated cost put to tender

OR

TWO Similar works each of value not less than 60% of estimated cost put to tender

OR

ONE Similar work of value not less than 80% of estimated cost put to tender

Minimum turn over of the agency shall be 180.00 Lakh which shall be certified by Chartered Accountant .

- 1.2.2 The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of submission of bid.

To become eligible for issue of bid, the bidders shall have to furnish an affidavit as under: (please refer Sr.No.15 V on Page No. 6 of this NIT)

I / We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for Bidding in CCW, AKASHVANI in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineering-Charge shall be free to forfeit the entire amount of Earnest Money Deposit /Performance Guarantee. (Scanned copy to be uploaded at the time of submission of bid)

- 1.2.3 When bids are invited from non CPWD contractors and CPWD contractors as per provisions of **clause 1.2.1** above, it will be mandatory for non CPWD contractors and CPWD class-II contractors & below to upload the work experience certificate(s) and the affidavits per the provisions of **clause 1.2.2**.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD-7/8 (or other Standard Form as mentioned), which is available as a Govt. of India Publication and also

available on website www.cpwd.gov.in. Bidders shall quote their rates as per various terms and conditions of the said form which will form part of the agreement.

3. The time allowed for carrying out the work will be as defined in schedule 'F' from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. (i)The site for the work is available.
~~OR~~
~~The site for the work shall be made available in parts as specified below: -----~~
~~-----.~~
(ii) The architectural and structural drawing for the work is available
or
~~The architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of work.~~
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on the web Site <https://prasarbharati.eproc.in> free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
9. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Bankers Cheque or Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of Commercial Banks (drawn in favour of "Executive Engineer (Civil), CCW , AKASHVANI, PRASAR BHARATI (BCI), Pune") shall be scanned and uploaded to the e-Tendering website within the period of bid submission. **The original EMD should be deposited either in the office of the Executive Engineer (C), CCW, AKASHVANI, Pune or division office of any Executive Engineer, CCW, AKASHVANI within the period of bid submission. (The EMD document shall only be issued from the place in which the office of receiving division is situated).** The EMD receiving Executive Engineer shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format uploaded by the Executive Engineer(C), CCW, AKASHVANI, Pune in the NIT. This receipt shall also be uploaded to the e-tendering website by the intending bidder up to the specified bid submission date and time.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, 50% of earnest money or Rs. 20 lakhs, whichever is less, will have to be deposited in the shape prescribed above, and balance in shape of Bank Guarantee of any scheduled bank having validity for a period of 90 days for single bid works and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the notice inviting e- tender shall be scanned and uploaded on the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in e- tender notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority.

Online bid documents submitted by intending bidders shall be opened only of those bidders, who have deposited e-tender processing fee with M/s. C1 INDIA Private Limited & Original Earnest Money Deposit deposited in the office of the Executive Engineer(C), CCW, AKASHVANI, Pune or any other division office of any Executive Engineer, CCW, AKASHVANI within the period of bid submission & other documents scanned and uploaded are found in order.

The Certified copy of all the scanned and uploaded documents shall be deposited by the lowest tenderer within a week after opening of financial bid failing which the tender shall be rejected and enlistment of the agency shall be withdrawn by the enlisting authority.

Interested contractor who wish to participate in the bid has also to make following payments within the period of bid submission:

- (i) **e-Tender Processing Fee (as per ITI rules) shall be payable to M/s. C1 INDIA Private Limited through their e-gateway by credit/debit card, internet banking or RTGS/NEFT facility.**

The bid submitted shall be **opened** at **15.30 Hrs.** on **10/09/2025**

10 The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:

- (i) The bidder is found ineligible.
- (ii) The bidder does not deposit original EMD either in the office of the Executive Engineer(C), CCW, AKASHVANI, Pune or division office of any Executive Engineer, CCW, AKASHVANI within the period of bid submission.
- (iii) The bidder does not upload all the documents (including **GST** registration) as stipulated in the bid document including the scanned copy of EMD, affidavit and the certified copy of all the scanned and uploaded documents.
- (iv) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted **physically by the lowest tenderer** in the office of tender opening authority.
- (v) If a tenderer quotes NIL rates against any item in item rate tender or does not quote any percentage above / below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

11 The contractor whose tender is accepted will be required to furnish Performance Guarantee of 5% (five percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank Government Securities in accordance with the prescribed form.

In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited

by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee.

The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractor for the said work within the period specified in Schedule F.

- 12 Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
- 13 The competent authority on behalf of President of India does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without the assignment of a reason. All tenders, in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.
- 14 Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
- 15 The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
- 16 The contractor shall not be permitted to tender for works in the CCW AKASHVANI Circle (responsible for award and execution of contracts) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Civil Construction Wing of AKASHVANI or in the Ministry of Information & Broadcasting. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
- 17 No Engineer of gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of two years after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
- 18 The bid for the works shall remain open for acceptance for a period of **60 (Sixty)** days from the date of opening of bids.
Further

(i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy,

be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

(ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

(iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.

19 This Notice Inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work sign the contract consisting of:-

- a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
- b) Standard C.P.W.D. Form No. 7 / 8 or other standard CPWD forms as applicable. General conditions of contract (GCC) 2023 ~~Construction works~~ / maintenance works with correction slips issued up to one day previous to last date of submission of tenders, which is available as CPWD publication on CPWD official website at <https://cpwd.gov.in>, shall be deemed to be part of the Tender documents.

20 Price Preference to SC/ST individual contractor for item rate/percentage rate tender: Price preference in quoted item rate/percentage rate tender shall be applicable to the individual enlisted/non-enlisted SC/ST contractor as under:-

(i) For work(s) upto and equal to an estimated cost of Rs. 2.70 lakh a price preference upto 5% (with reference to the lowest valid tender) may be allowed in favor of individual SC/ST enlisted/non-enlisted contractor. No earnest money is required in such case(s).

(ii) For work(s) beyond an estimated cost of Rs. 2.70 lakh and upto and equal to estimated cost of Rs. 6.20 lakh, the price preference upto 5% (with reference to the lowest valid tender) may be allowed in favour of individual enlisted SC/ST contractor. However, earnest money at a reduced rate of 1/2% may be accepted in such cases.

The price preference upto 5% (with reference to the lowest valid price bid) may be allowed in favour of individual SC/ST contractor only. The above concession shall be allowed only after verification of the individual contractor's claim of belonging to SC/ST community.

21 **Composite Bids :**

NOTICE INVITING e-TENDER, INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE, Form CPWD -6, Form CPWD – 8, acceptance of tender shall be common and shall be called for by Engineer-in-Charge of Major Component.

21.1.1 The bid documents include schedule A to F, specifications, schedule of quantities shall be separate for the major and minor components of the work.

21.1.2 Superintending Engineer for Major Component shall be competent authority under Clause- 2 and Clause - 5. The bidder must associate himself, with agencies of the appropriate class eligible to bid for each of the minor component individually.

21.1.3 The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.

21.1.4 After acceptance of the bid by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE in charge of major component and has also to sign two or more copies of agreement depending upon number of Executive Engineer in charge of minor components. One such signed set of agreement shall be

handed over to EE's in charge of minor component(s). EE of major component will operate **part-A** and **part-B** of the agreement. EE in charge of minor component(s) shall operate **Part-C** along with **Part-A** of the agreement except proforma of schedule A to F for major component (Civil) & Annexure "Y".

- 20.1.6** Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.
- 20.1.7** Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.
- 20.1.8** The main contractor has to associate agency(s) for minor component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-charge of minor component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-charge of minor component(s).
- 20.1.9** In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of minor component. The new agency/ agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.
- 20.1.10** The main contractor has to enter into agreement with contractor(s) associated by him for execution of minor component(s). Copy of such agreement shall be submitted to EE in charge of each minor component as well as to EE in charge of major component. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him.
- 20.1.11** Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer-in-charge of the discipline of minor component directly to the main contractor.
- 20.1.12. A.** The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-Charge of major component after record of completion certificate of all other components.
- 20.1.12 B.** Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s)-in-charge of minor component (s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.
- 22.** In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of the Executive Engineer, then the bid submitted shall become invalid and the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the retendering process of the work.
- 23.** Unconditional rebate if any has to be mentioned in bid document itself and any rebate letter received in separate envelope will be ignored.
- 24.** This notice inviting bid shall form a part of the contract document. The successful bidder / contractor, on acceptance of his bid by the Accepting Authority, shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:
- a)** The Notice Inviting bid, all the documents including additional conditions, special conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

- b) Standard CPWD Form -8 as amended / modified / corrected upto the date of on-line submission of bid.
25. The rates for all items of work, shall unless clearly specifiedd otherwise include cost of all operations and all inputs of labour, material T&P, scaffolding, wastage, watch and ward, other inputs, all incidental charges for all heights & lead, all taxes i/c GST or BOCW on work contracts, cess, duties, levies etc. required for execution of the work. The department will not entertain any claim on account of GST or other taxes. In case department is forced to pay any of such taxes the department shall have the right to recover the same from of the bills of contractor or otherwise as deemed fit.
26. No running account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-Charge.

Contractor shall submit to the deoartment the GST compliant tax invoice alongwith running / final account bills.

TDS under GST (as and when applicable) shall be deducted at prevailing rates on applicable value from the running bills.

EXECUTIVE ENGINEER (CIVIL)
For and on behalf of President of India
CCW AKASHVANI PB (IPSB) PUNE-16

**NIT approved for Rs. 1 89 67 890/- (Rs. 1 36 02 864/- (Civil) + Rs. 53 65 026/- (Electrical).
(Rs. One crore Eighty Nine Lakhs Sixty Seven Thousand Eight Hundred Ninety only)**

Prescribed Format of Receipt of deposition of original EMD

(Receipt No/ date.....)

1. NAME OF WORK : Creation of additional spaces and upgradation of existing VIP Guest House at FTII, Pune.
2. NIT No. : SEB/NIT/MUM/FTII/VIPGH/PUNE/20082025 Dated 20.08.2025
3. Estimated Cost : Rs.1 89 67 890/-
4. Amount of Earnest Money Deposit : Rs. 3 79 358 / -
5. Last date of submission of bid : 15.00 hours on 10/09/2025

Prescribed Format to be filed by EMD Receiving Officer

1. Name of Contractor *
2. Form of EMD *
3. Amount of Earnest Money Deposit *
4. Date of submission of EMD *

(* to be filled by EMD receiving DIVISION)

**(Signature, Name and Designation of EMD receiving Officer along
with Office stamp)**

- 1) The Authority receiving EMD in original form examines the EMD deposited by the bidder and issues receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting authority. The receipt can also be issued by any subordinate gazette authority as authorized by the EE/Engineer inCharge/DDH.
- 2) The authority receiving original EMD also intimates tender inviting authority about deposition of EMD by the agency by email/fax/telephonically.
- 3) **The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/three bid system earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.**
- 4) The tender inviting authority calls for original EMD of the L1 tenderer from EMD receiving authority immediately.

PRASAR BHARATI
(INDIAS PUBLIC SERVICE BROADCASTER)
CIVIL CONSTRUCTION WING, AKASHVANI

State : **MAHARASHTRA**
Branch : AKASHVANI,CIVIL
Zone : WEST

Circle : MUMBAI
Division : PUNE
Sub-Division : PUNE-I

Item Rate Tender & Contract for Works

Name of work :Creation of additional spaces and upgradation of existing VIP Guest House at FTII, Pune.

To be **submitted online** through the website <https://prasarbharati.eproc.in> by **15.00** hours on **10/09/2025** to The Executive Engineer (Civil), Civil Construction Wing, Akashvani, Prasarbharati (IPSB), Pune-16.

To be **opened online** at the website <https://prasarbharati.eproc.in> in presence of tenderers who may be present at **15.30 hours** on **10/9/2025** in the office of The Executive Engineer (Civil), Civil Construction Wing, Akashvani, Prasarbharati (IPSB), Pune-16.

Tender submitted online at the website <https://prasarbharati.eproc.in> by the contractor

TENDER

I/We have read and examined the notice inviting tender, schedule A, B, C, D, E & F, specifications applicable, drawings & designs, General Rules and Directions, Conditions of Contract, clauses of contract, special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F', viz. Schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for **60 (Sixty)** days from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of **Rs.3 79 358/-** is hereby forwarded in the form of Receipt Treasury Challan/Deposit at Call Receipt of a Scheduled Bank/Fixed Deposit Receipt of a Scheduled Bank/Demand Draft of a Scheduled Bank/Bank Guarantee issued by a Scheduled Bank as Earnest Money. If I/we, fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail to commence the work specified I/we agree that the said President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/we agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/we shall be debarred for participation in the re-tendering process of the work.

Further, if I / We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely, the said performance guarantee shall be a guarantee to execute all the works referred to in the bid documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in clause 12.2 and 12.3 (as modified) of the bid form.

Further, I/We agree that in case of forfeiture of Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-bidding process of the work.

I/We undertake and confirm that eligible similar works (s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CCW, AKASHVANI in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-charge shall be free to forfeit the entire amount of earnest money Deposit/Performance Guarantee

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated: _____

Signature of Contractor

Postal Address: _____

Witness:

Address:

Occupation:

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of _____ (Rupees _____)

_____)

The letters referred to below shall form part of this contract Agreement:

i)

ii)

iii)

For and on behalf of the President of India,

Dated: _____

Signature: _____

Designation: **Executive Engineer (Civil)**
Civil Construction Wing
AKASHVANI, PB (IPSB)
PUNE-16.

PROFORMA OF SCHEDULES

SCHEDULE 'A' TO 'F'

SCHEDULE 'A'

Schedule of quantities - Enclosed ✓

SCHEDULE 'B'

Schedule of materials to be issued to the contractor

Sr. No.	Description of Item	Quantity	Rates in figures & words at which the material will be charged to the Contractor	Place of issue
1	2	3	4	5
	-----	-----	N I L -----	-----

SCHEDULE 'C'

Tools and Plants to be hired to the Contractor

Sr. No.	Description	Hire charges Per day	Place of Issue
1	2	3	4
	-----	N I L -----	-----

SCHEDULE 'D'

Extra Schedule for specific requirements/documents for the work, if any.

----- **N I L** -----

SCHEDULE 'E'

Reference to General Conditions of contract : Applicable GCC is CPWD General Conditions of contract Construction Works 2023 as modified and corrected upto previous day of the last date of submission of the tender.

Name of work : Creation of additional spaces and upgradation of existing VIP Guest House at FTII, Pune.

Estimated cost of work : **Rs.1 89 67 890/-**

Earnest money : **Rs.3 79 358/- (to be returned after receiving Performance Guarantee)**

Performance guarantee : **5% of tendered value**

Security Deposit : **2.5% of work done amount**

SCHEDULE 'F'

General Rules & Directions:

Officer inviting Tender	:	Executive Engineer (Civil), CCW, Akashvani, PrasarBharati (IPSB), Pune-16
Definitions :		
2(v) Engineer-in-Charge	:	Executive Engineer (Civil), CCW, Akashvani, PrasarBharati (IPSB), Pune-16
2(viii) Accepting Authority	:	Superintending Engineer (Civil), CCW, Akashvani, PrasarBharati (IPSB), Mumbai-20
2(x) Percentage on cost of materials and labour to cover all overheads and profits	:	15%
2(xi) Standard Schedule of Rates	:	CPWD DSR 2023 with up to date correction slips & Market Rates if any
2(xii) Department	:	Civil Construction Wing, AKASHVANI, PrasarBharati (IPSB), Pune
9(ii) Standard CPWD contract Form GCC 2023, CPWD Form 7/8	:	General Conditions of Contract 2023 Construction work , CPWD Form 7 / 8 as modified and corrected upto previous day of the last date of submission of the tender..

Clause 1

- i) Time allowed for submission of Performance Guarantee, programme chart (Time and progress) from the date of issue of letter of acceptance, in days : **7 (Seven) days**
- ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above : 7 (Seven) days

Clause 2 Authority for fixing compensation under clause 2 : Superintending Engineer (Civil), Civil Construction Wing, Akashvani, Mumbai

Clause 2A Whether Clause 2A shall be applicable : ~~YES~~ / NO

Clause 5 Number of days from the date of issue of letter of acceptance for reckoning date of start : **10 (Ten) days**

Milestones as per Table given below:

Table of Milestones.

Sr. No.	Financial progress	Time allowed (from date of start)	Amount to be with-held in case of non-achievement of milestone
1	12.5% Value of the work	25% time limit of the work	In the event of not achieving the necessary progress as assessed from the running payments, 1.25% of the tendered value of work will be withheld for failure of each milestone.
2	37.50% Value of the work	50% time limit of the work	
3	75% Value of the work	75% time limit of the work	
4	100% Value of the work	100% time limit of the work	

Time allowed for execution of work : **05 (Five) Months**

Authority to decide:

- (i) **Extension of time** : Superintending Engineer (Civil)
CCW Akashvani
Mumbai
- (ii) **Rescheduling of milestones** : Superintending Engineer (Civil)
CCW Akashvani
Mumbai
- (iii) **Shifting of date of start in case of delay in handing over of site** : Executive Engineer (Civil), CCW,
Akashvani, Prasar Bharati (IPSB),
Pune-16

Clause 6 : **Applicable**
Computerised Measurement Book

Clause 7 : Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment : Tendered amount or ₹ 5, 00,000/ whichever is lower

Clause 7A : Whether Clause 7A shall be applicable : Yes

Clause 10A : List of the testing equipments to be provided by the contractor at site lab : As per ANNEXURE-Y

Clause 10 B (ii) : Whether clauses 10B (ii) shall be applicable : NO

Clause 10C : Component of labour expressed as expressed as percent of value of work : 25%

Clause 10CA : **Not Applicable**

Clause 10CC : Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column : **12 Months**

CLAUSE 10 CC	
Component of Civil	-Xm
(Except materials covered by clause 10C)	
Electrical construction and installation as per schedule of rates%
of total value of work	
Component of Labour expressed as percent of total value of work	Y.....%
Component of POL expressed as percent of total value of work	Z.....%

Clause 11 Specifications to be followed for execution of work : CPWD book of Specifications 2019 Vol. I to II with upto-date correction slips.

Clause 12
Authority to decide deviation up to 1.5 times of tendered amount : Engineer-in Charge

Type of Work	:	ORIGINAL/ MAINTENANCE
12.2. & 12.3		
(i) Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except earth work)	:	100 %/ No Limit
(ii) Deviation Limit for items in earth work sub head of DSR or related items	:	Not applicable

Clause 16 Competent authority for Deciding reduced rates : Upto 5% (five percent) of contract value by Superintending Engineer (C), CCW, Akashvani, Mumbai.
Beyond that by Chief Engineer (C), CCW, Akashvani, New Delhi

Clause 18 List of mandatory machinery, tools & plants to be deployed by the contractor at site as per requirement.
1. Concrete mixer
2. Needle Vibrator.
3. Cutting and Bar Bending machine.
4. Road roller of 10 T for road work.

Clause 19 Authority to decide penalty : Superintending Engineer (C), CCW, Akashvani, Mumbai 20.
C ,D, G, K for each default

Clause 25

Constitution of Dispute Reduessaal Committee (DRC)	Competent Authority to appoint DRC
DRC shall constitute one Chairman and two members	Chief Engineer

Arbitrator Appointing Authority : The Chief Engineer (C), CCW, Akashvani, Delhi

Place of Arbitration : Pune

Clause 32 Requirement of Technical Representative (S) and recovery rate

The bidder has to engage engineer from retired engineers from CCW/ CPWD having knowledge of government i.e. CPWD pattern of working. The agency shall submit the bills prepared / verified by the engineer . In the absence of appropriate engineer, recovery/ deduction shall be made from agency's bill.

(a) For works with the estimated cost put to tender for civil works :
: Graduate or retired AE

- (b) Discipline to which the Principal Representative should belong : Civil
- (c) Minimum Experience : Graduate Engineer : 2 years works
: ~~Diploma Engineer~~ : ~~5 years works~~
- (d) Recovery to be effected from the contractor in the event of not fulfilling provision of clause 32 : 30000.00 per month
- (e) Designation of Technical staff quality/ : Project Manager cum planning / site / billing Engineer

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Diploma holder with minimum 10 year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

Clause 38

- i)(a) Schedule/statement for determining theoretical quantity of cement on the basis of Delhi Schedule of Rates **2023** printed by CPWD
- ii) Variations permissible on theoretical quantities:

(a)	Cement	
	For works with estimated cost put to tender not More than Rs.25lakh.	3% plus/minus.
	For works with estimated cost put to tender More than Rs.25lakh.	2% plus/minus.
(b)	Bitumen All Works.	2.5% plus & only & nil on minus side
(c)	Steel Reinforcement and structural steel sections For each diameter, section and category	2% plus/minus
(d)	All other materials.	Nil

Recovery Rates for quantities beyond permissible variation:

Sr. No.	Description of item	Rates in figures and words at which recovery shall be made from the contractor	
		Excess beyond permissible variation	Less use beyond the permissible variation
1.	Cement	NIL	At maximum prevailing market rate during execution.
2.	Steel reinforcement	NIL	At maximum prevailing market rate during execution.
3.	Structural section	NIL	At maximum prevailing market rate during execution.
4.	Bitumen	NIL	At maximum prevailing market rate during execution.

FORM OF PERFORMANCE SECURITY BANK GUARANTEE BOND

In consideration having offered to accept the terms and conditions of the proposed agreement between the Executive Engineer (Civil), Civil Construction Wing, Akashwani, PrasarBharati (BCI), _____, and _____ (hereinafter called "the said contractor(s)"), for the work of _____ (hereafter called "the said agreement") having agreed to production of a irrevocable Bank Guarantee for Rs. _____ (Rupees _____ only) as a security / guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We _____ (Bank) (hereinafter referred to as "the Bank") hereby undertake to pay to the Government an amount not exceeding Rs. _____ (Rupees _____ only) on demand by the Government.

2. We _____ (Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, merely on demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____ (Rupees _____ only).

3. We, the said bank further undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the contractor(s) shall have no claim against us for making such payment.

4. We _____ (Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-Charge on behalf of the Government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.

5. We _____ (Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to for-bear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any for-bearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

7. We _____ (Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.

8. This guarantee shall be valid upto _____ unless extended on demand by Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. _____ (Rupees _____ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the _____ day of _____, two thousand _____, for _____ (name of Bank)

ANNEXURE - Y

(A)

1. Balances

- (i) 500 gm. capacity , semi-self indicating type – accuracy 1 gm.
 - (ii) Pan balances - 5 kg. capacity – accuracy 10 gms.
2. **Sieves:** as per IS 460-1962.
- (i) I.S. sieves - 450mm internal dia, of sizes 100 mm, 80 mm , 63mm, 50 mm, 40 mm, 25 mm, 20 mm, 12.5 mm, 10 mm, 6.3 mm, 4.75 mm, complete with lid and pan.
 - (ii) I.S. sieves - 200 mm internal dia (brass frame) consisting of 2.36mm, 1.18mm, 600 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns, 75 microns, with lid and pan.
3. **Sieve shaker** capable of 200 mm and 300 mm dia sieves, manually operated with timing switch assembly.
4. **Graduated measuring cylinders** 200 ml capacity – 3 Nos.
5. **Dial gauges**, 25 mm travel – 0.01 mm/division least count – 2 nos.
6. **Graduated measuring cylinders** 200 ml capacity – 3 Nos.

(B)

- 1. Digital distance meter, Steel tapes - 3 m / 15 metres / 30 metres.
- 2. Vernier calipers.
- 3. Micrometer screw 25 mm gauge.
- 4. A good quality plumb bob.
- 5. Spirit level, minimum 30 cms long with 3 bubbles for horizontal / vertical.
- 6. Wire gauge (circular type) disc.
- 7. Foot rule.
- 8. Long nylon thread.
- 9. Magnifying glass.
- 10. Screw driver 30 cms long
- 11. Plastic bags for taking samples.
- 12. Ball pin hammer, 100 gms.
- 13. Plastic bags for taking samples.

Conditions for Composite Tenders

- (i) The Executive Engineer (Civil) in charge of the major component will call tenders for the composite work. The cost of tender document and Earnest Money will be fixed with respect to the combined estimated cost put to tender.

The tender document will include following three components:

Part A : - CPWD-6, CPWD-8 including schedule A to F for major component of the work, Standard General Conditions of Contract for CPWD 2014 amended upto latest edition as applicable with all amendments/modifications upto date of issue of tender.

Part B : - General/specific conditions, specifications

Part C : - Schedule A to F for minor component of the work, (S E / E E (C) in charge of major component shall also be competent authority under clause 2 and clause 5 as mentioned in schedule A to F for major components) General / specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.

- (ii) The tenderer must associate with him, agencies of the appropriate class eligible to tender for each of the minor component individually.
- (iii) The eligible tenderers shall quote rates for all items of major component as well as for all items of minor components of work. It will be obligatory on the part of the tenderer to sign the tender document for all the components (The schedule of quantities, conditions and special conditions etc.).
- (iv) After acceptance of the tender by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of President of India. After the work is awarded, the main contractor will have to enter into one agreement with Executive Engineer (C), CCW, AIR, Pune in charge of major component and has also to sign two or more copies of agreement depending upon number of EE's in charge of minor component. Executive Engineer (C), CCW, AIR, Pune of major component will operate part A and part B of the agreement. EE(E) in charge of minor component(s) shall operate Part C along with Part A of the agreement.
- (v) Entire work under the scope of composite tender including major and all minor components shall be executed under one agreement.
- (vi) Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works. The Earnest Money will become part of the security deposit of the major component of work.
- (vii) The main contractor has to associate agency(s) for minor component(s) conforming to eligibility criteria as defined in the tender document and has to submit detail of such agency(s) to Engineer-in-Charge of minor component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-Charge of minor component(s).
- (viii) In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of minor component. The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-Charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.
- (ix) The main contractor has to enter into agreement with the contractor(s) associated by him for execution of minor component(s). Copy of such agreement shall be submitted to EE (E) in charge of each minor component as well as to Executive Engineer (C) in charge of major component. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him.
- (x) Running payment for the major component shall be made by Executive Engineer (C) of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer-in-Charge of the discipline of minor component directly to the main contractor.
- (xi) Final bill of whole work shall be finalized and paid by the Executive Engineer (C) of major component. Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the Executive Engineer (C) of major component for including in the final bill for composite contract.

PART - B

GENERAL CONDITIONS

1. Contractors shall co-ordinate and co-operate with the other agencies e.g. Electrical & authorized representative of local bodies for construction of their respective items of work being executed simultaneously in the same building.
2. The contractor shall intimate to the Municipality, Police and other local authorities all notices etc. that may be required by law and obtain all requisite license, permission for temporary construction that may be required for execution of work, for obstruction in public places and pay all fines, taxes and charges which may be liable on account of their operation, in executing the contract. They shall make good any damage to adjoining property whether public or private and shall supply and maintain any light (either for illumination or for cautioning the public) required at night.
3. The contractor shall make his own arrangement for temporary electric connection at works, if required and make necessary payment for it directly to the department concerned. The wiring done by the contractor shall conform to the electrical regulation of statutory bodies and will be consistent with the safety requirements of the site. The Engineer-in-Charge's decision regarding the safety aspect shall be final and binding on the contractor.
4. The contractor shall provide adequate lighting arrangement as approved by the Engineer-in-Charge for carrying out the works during night times when required and also provide all other facilities for the labour employed to carry out the works without any extra charge. Necessary lighting as directed by the Engineer-in-Charge shall also be provided by the contractor without any extra charges for yard lighting as well as to cover the entire site including those required for safety and security reasons.
5. The rate of all items of works shall unless clearly specified otherwise include cost of all labours, materials and other inputs involved in the execution of the item. Tendered rates shall be inclusive of all taxes and levies payable under the respective states including GST etc. Nothing extra will be paid on any account. As contractor's rates are inclusive of all taxes, no reimbursement of any tax shall be made to the contractor. The relevant clause of GCC of NIT/contract stands modified accordingly.
6. The rate for different items of work shall apply for all heights and depths unless otherwise specified and no such claim on this account shall be entertained.
7. The contractor's rate shall among other things include the cost of working in multiple shifts round the clock, if necessary including gazetted holiday and the cost of mobilization of all type of resources, T&P, lighting, etc.
8. Any taxes of levies imposed by Govt. of Maharashtra on works contract shall be recovered from the contractor's running bills and final bill as per rate fixed by the Maharashtra State Government from time to time during the currency of the contract.
9. TDS on income tax, labour cess and other statutory deductions shall be made at source as per prevalent laws. TDS on GST as & when becomes applicable will also be deducted as per relevant GST Act/ rules/ notification. State Government Maharashtra GST on works contract/Building and other Construction Workers Welfare Cess and other applicable taxes/cess shall be recovered from the contractor's running bills as per rate fixed by the Maharashtra Government from time to time during the currency of the contract.
10. The tenderer shall ensure that benefit of Input tax credit (ITC) likely to be availed by them is duly considered by them while quoting rates.

11. The contractor shall submit the invoice of the work executed as per rule 46 of the CGST rules. The taxes will be calculated as per rule 35 of CGST Rules 2017.
12. Tenderer shall examine the various provisions of CGST Act, 2017 IGST Act, 2017/ UGST Act – 2017/ SGST Act 2017 of the respective state and up to date amendments issued from time to time and other applicable taxes before bidding/ tendering. The tenderer shall also confirm to the rules made under these Acts.
13. The GST has been implemented by the Government of India with effect from 1st July 2017. The rates quoted by the tenders, shall be firm and inclusive of all taxes including GST.
14. Steel shuttering shall be used in all the CC and RCC works.
16. The contractor shall leave such recesses, holes, openings etc. as may be required for electrical and sanitary works. No extra payment shall be made to him on this account.
17. The contractor shall make adequate fire fighting arrangement and shall be fully responsible for any fire consequences at the work site.
- 17 **Site Inspection :** The bidder should inspect and examine the subject site and its surrounding and satisfy himself as to the nature of the ground and sub-soil (so far as is practicable), the forms and nature of the site/ ourselves before submitting the bid, the accommodation which may require and all necessary information as to risks, contingencies and other circumstances which may influence or affect our bid have been obtained. The bidder shall have full knowledge of the site and no extra charge consequent upon any misunderstanding or otherwise shall be claimed in later date. The Agency shall visit the site of work before quoting, as no extra payment will be made on any account such as extra thickness of base coarse/depths and all height of buildings etc.
18. Where the contractor is required to provide materials of certain sizes or weights which may have become out of market due to change over to metric standards, substitute conforming to the nearest higher equivalents as approved by the Engineer-in-Charge shall be used. No claim of extra payment shall be entertained on this account.
19. All materials, articles and workmanship shall be the BEST of their respective kind for the class of work described in the contract, specification and schedule of quantities. All materials shall be subject to the approval of the Engineer-in-Charge. The word 'BEST' used in those specifications shall mean that in the opinion of the Engineer-in-Charge there is no superior quality of materials or finish of articles in the market available for the nature of the item described in the contract schedule. The Engineer-in-charge or his authorized representative shall have the absolute power to make the contractor purchase and use such materials of particular source as may, in his opinion, be necessary for proper compliance with the specification and execution of work.
20. Materials shall conform to CPWD specifications. No extra payment will be admissible to the agency for transportation of CPWD specified materials from any source within India. The agency's rate will be deemed to be included in the quoted rates.
21. **All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor.** The testing shall mandatorily be carried out in the Laboratories setup by the Government Sector, Semi Government of NABL approved private sector. All Government Institutes, Indian Institutes of Technology, National Institutes of Technology, Central and State Research Centers, Centrally and State Funded Laboratories stands approved. No approval is required for Testing in these Laboratories / Intitutes. However, the outside Private Laboratories shall be gor approved from the Engineer-in-charge, if no approved labs as above is available within 200 kms. of the work site. A particular private lab shall be approved for specified tests and work / project. The approving authority will specify the tests while approving the Laboratories.
22. The water shall be tested by the contractor with regard to the suitability for use in RCC works and nothing extra shall be paid thereon.

23. **Wherever the word 'CPWD' refers in the printed book of 'General Conditions of Contract for Central P.W.D. Works', it may be read as 'CCW, AKASHVANI'.**
24. English version of the contract including corrections any shall deemed to be accepted for all contractual obligations.
25. Where the contractor is required to provide materials of certain sizes or weights which may have become out of market due to change over to metric standards, substitute conforming to the nearest higher equivalents as approved by the Engineer-in-Charge shall be used. No claim of extra payment shall be entertained on this account.

ADDITIONAL CONDITIONS

1. The contractor shall be entitled to invoke arbitration clause only after exhausting the remedy available under the Dispute Redress Committee, convened by the Chief Engineer, CCW, AKASHVANI, New Delhi.
2. The contractor shall arrange all major plant and equipment or any other machinery required, apart from the list as mentioned under clause 18 of Schedule-F, for execution for work, in good condition at appropriate time and nothing extra shall be paid on this account. However, this shall not relieve the contractor of any responsibilities to complete the work within the stipulated time.
3. Five years guarantee in prescribed pro forma attached must be given by the contractor for the water proofing treatment, In addition 10 % (Ten percent) of the cost of these items would be retained as guarantee to watch the performance of the work executed. However, half of this amount (withheld) would be release after two monsoon seasons after completion of the work, If the performance of work done is satisfactory. If any defect is noticed during the guarantee period, it should rectified by contractor within seven days & if not attended to, the same shall be got done by other agency at the risk & cost of the contractor. In any case, the guaranteeing firm during the guarantee period should inspect & examine the treatment once in every year & making good the defects observed. However, the security deposit can be released in full if bank guarantee of equivalent amount for five years is produced & deposited with the Engineer-in-Charge.
4. The cement and steel required to complete the work shall be arranged by the Contractor. The quantities herein above are only tentative and may vary as per drawing and designs. Condition of cement and steel enclosed. The contractor is required to produce the proof of the purchase of cement and steel as and when desired by the Engineer-in-charge.
5. All type of security measures / precautions of labour shall be responsibility of Agency during execution of work, No extra payment will be made on any account.
6. The site is under security arrangement of **client department**. The contractor shall have to abide by their security rules and regulations. No extra claims on account of working in restricted hours, i.e.during night, or what so ever nature because of security constrains, rules and regulations of the Station authorities, shall be entertained later.
7. The contractor is to arrange for supply and storage of water, required for the work at their own cost. If contractor use water from common water supply within the campus, necessary water charges shall be recovered from bills payable to contractor.
8. Unless otherwise specified, CPWD specifications 2019 volume I & II with upto corrections slips shall be followed in general.
Any additional item of work if taken up subsequently, shall also conform to the relevant CPWD specifications mentioned above. If Should there be any difference between description of items as given in the schedule of quantities, nomenclature and specifications for individual items of work (special conditions) and I.S. Codes, work shall be got done in the following order of precedence :
I) Description of items as given in Schedules of quantities.
ii) Special conditions and particular specifications.
iii) CPWD Specifications.
iv) I.S. Codes.
v) Decision of Engineer-in-Charge.
9. Speciman Form of Bank Guarantee for Earnest Money Deposit / Performance guarantee / Security Deposit/Mobilization Advance is provide on page 98, 99 of GCC 2023 Maintenance Works

Special conditions for works:

1. The contractor shall ensure that the following provisions are complied with during the construction besides GCC provisions related to a) CPWD safety code b) Model rules and c) CPWD contractors labour regulations.
 - 1.1. Reduction in air pollution during construction by taking necessary measures. For example, Covering stock piles, covering bricks and loads of dusty materials, carry out wheel washing of vehicles entering/exiting the site, sprinkle water on roads with loose dust, cordoning of material stocking area and construction work area etc.
 - 1.2. Efficient water use during construction.
 - 1.3. Efficient reduction in waste during construction by segregating hazardous and inert waste and such segregated waste shall be safely disposed off.
 - 1.4. Smoking is strictly prohibited on site.
 - 1.5. All the construction materials are properly stacked without any spillage and wastage.
2. No extra payment shall be made for all the operations described above such as GI sheet barricading, covering stock piles, covering bricks and loads of dusty materials, carrying out wheel washing of vehicles entering/exiting the site, sprinkling water on roads with loose dust, cordoning of materials stacking area and construction work area etc.,. It may be noted that the quoted amount covers the cost of these operations. In case the special conditions for GRIHA compliance is not strictly followed during the execution of the work the fine (**Non refundable**) for non-performance of each corresponding activity specified as below shall be levied per day of failure.

Sl.No.	Operations	Fine per day
1.	Covering stock piles	Rs.100 /day
2.	Covering bricks and loads of dusty materials.	Rs.100 /day
3.	Cordoning of material stocking area and construction Work area	Rs.100 /day

3. If the non compliance of \ norms are observed for more than a week it shall be construed that the agreement conditions are not performed by the Agency and action shall be taken as deemed fit by the Engineer-in-Charge.
4. Adopt measures to prevent air pollution in the vicinity of the site due to construction activities. There is no standard reference for this. The best practices should be followed (as adopted from international best practice documents and codes).
 - 4.1. The contractor shall provide experienced personnel with suitable training to ensure that these methods are implemented. Prior to the commencement of any work, the method of working, plant equipment and air pollution control system to be used on –site should be made available for the inspection and approval of the Engineer –in-Charge to ensure that these are suitable for the project.
 - 4.2. Employ measures to segregate the waste on-site into inert, chemical or hazardous wastes. Recycle the unused chemical/hazardous wastes such as oil, paint, batteries and asbestos. The inert waste is to be disposed off to Municipal Corporation/local bodies dump yard and land fill sites.
 - 4.3. To preserve the existing landscape and protect it from degradation during the process of construction. Select proper timing for construction activity to minimize the disturbance such as soil pollution due to spilling of the construction material and its mixing with rainwater. The construction management plan including soil erosion control management plan shall be prepared accordingly for each month. The application of erosion control measures includes construction of gravel pits and tyre washing bays of approved size and specification for all vehicular site entry/exits, protection of slopes greater than 10%. Sedimentation Collection System and run-off diversion systems shall be in place before the commencement of construction activity. Preserve and protect the existing vegetation by not- disturbing or damaging to specified site areas during construction.
 - 4.4. The Contractor should follow the construction plan as proposed by the Engineer-in-charge/

landscape consultant to minimize the site disturbance such as soil pollution due to spilling. Use staging and spill prevention and control plan to restrict the spilling of the contaminating material on site.

- 4.5. Spill prevention and control plans should clearly state measures to stop the source of the spill. Measures to contain the spill and measures to dispose the contaminated material and hazardous wastes. It should also state the designation of personnel trained to prevent and control spills. Hazardous wastes include pesticides, paints, cleaners and petroleum products.
- 4.6. The contractor shall prepare and submit 'Spill prevention and control plans' before the start of construction, clearly stating measures to stop the source of the spill, to contain the spill, to dispose the contaminated material and hazardous wastes, and stating designation of personnel trained to prevent and control spills. Hazardous wastes include pesticides, paints, cleaners and petroleum products.
- 4.7. The contractor shall ensure that no construction leaches (Ex: cement slurry) is allowed to percolate into the ground. Adequate precautions are to be taken to safeguard against this including reduction of wasteful curing processes, collection, basic filtering and reuse. The contractor shall follow requisite measures for collecting drainage water run-off from construction areas and material storage sites and diverting water flow away from such polluted areas. Temporary drainage channels, perimeter dike/swale, etc. shall be constructed to carry the pollutant-laden water directly to the treatment device or facility (municipal sewer line).
- 4.8. All lighting installed by the contractor around the site and at the labour quarters during construction shall be energy efficient bulb so the appropriate illumination levels. This condition is a must, unless specifically prescribed otherwise.
- 4.9. All paints, adhesives and sealants should comply with the VOC limits prescribed by GRIHA, as follows:

Table 1-VOC limits for paints, adhesive and sealants

Paints	VOC Limit (g/l)	Adhesives	VOC Limit (g/l)
Non-flat paints	150	Wood flooring Adhesive	100
Flat (Mat) paints	50	Tile Adhesive	65
Anti-corrosive/anti-rust Paints	250	Indoor Carpet Adhesive	50
Varnish	350	Wood	30
Lacquer	550	Stains Water proofing sealer	250

- 4.10. Any other site management measures suggested by the Engineer-in charge/ green building consultant shall be followed on site.
- 5. Nothing extra shall be payable for above provisions unless otherwise specified in Schedule of Quantity**
- 6. Maintenance of Site Registers:**
- 6.1. All the Site Registers including Tests registers for tests to be carried out at construction site or in outside laboratories shall be maintained by the contractor which shall be got printed by the contractor and shall be got issued by the contractor from office of Engineer-in-charge in the same manner as being issued to CPWD field staff. Format of registers is provided in Standard Operating Procedures (SOPs) 2024 Annexures 28 to 31.
 - 6.2. The various registers to be issued to the contractor are:
 - i Materials at site account register ii Cement register iii Steel register
 - iv Site order book v Inspection register vi Hindrance register
 - vii Master test registers viii Paint register ix Drawing register
 - x Any other register directed by the Engineer-in-charge
 - 6.3. All the entries in the registers will be made by the designated Engineering Staff of the contractor and same should be regularly reviewed by AE / EE.

INTEGRAL WATER PROOF FINISHING

The Contractor must associate himself with the specialized firm to be approved by the Engineer-in-Charge in writing, for integral cement based water proofing treatment for sunken floors and on roofs. 5 years guarantee in prescribed Performa attached must be given by the specialized firm, which shall be countersigned by the contractor, in token of his overall responsibility. While tendering, the contractor must give:

- i. The name of the specialized firm.
- ii. The trade names of the product which would be used.
- iii. List of works where this treatment has been used.
- iv. Quantity of chlorides and sulphides used in the product.

A separate quantity account of water proofing compound brought to site and daily consumed on the water proofing job shall be maintained jointly by Engineer-in-charge and contractor.

A separate water proofing compound consumption register shall be maintained theoretically checked and recorded with every bill.

Empty container register shall also be kept at site.

Contractor shall give a guarantee that they shall be responsible for removal of any defect cropping up in the water proofing work executed by them within the guarantee period. The form of the guarantee to be executed by the contractor is given as below.

GUARANTEE TO BE EXECUTED BY CONTRACTORS FOR REMOVAL OF DEFECTS AFTER COMPLETION IN RESPECT OF WATER PROOFING WORKS.

This agreement made this _____ day of _____ two thousand seven
_____ between

(Hereinafter called the Guarantor of the one part) and the PRESIDENT OF INDIA (hereinafter called the Government of the other part).

Whereas this agreement is supplementary to a contract (hereinafter called the contract) _____ and made between the guarantor OF THE ONE part and the government of the other part, whereby the contractor inter alia, undertook to render the building and structures in the said contract recited completely water and leak-proof.

And where as the guarantor, agreed to give an guarantee to the effect that the said structures will remain water and leak proof for five years from the date of giving of water proofing treatment.

Now the guarantor hereby guarantees that water proofing treatment given by him will render the structures completely leak-proof and the minimum life of such water proofing treatment shall be five years to reckoned from the date after the maintenance period prescribed in the contract.

Providing that the guarantor will not be responsible for leakage caused by earthquake or structural defects or misuse of roof or alternation and for such purpose.

- a) Misuse of roof shall mean any operation which will damage water proofing treatment, like chopping of fire wood and things of same nature which might cause damage to the roof.
- b) Alteration shall mean construction of an additional storey or a part of the roof or construction adjoining to existing roof where by proofing treatment is removed in parts.
- c) The decision of the Engineer-in-Charge with regard to cause of leakage shall be final. During this the guarantee, the Guarantor shall make good all defects and in case of any defect being found render the building waterproof to this satisfaction of the Engineer-in-Charge at his cost and shall commence the work for such rectification within seven days from the date of issue of the notice from the Engineer-in-Charge calling upon him to rectify the defects failing which the work shall be got done by the department by some other contractor at the guarantor's cost and risk. The decision of Engineer-in-Charge as to the cost payable by the Guarantor shall be final and binding.

That if Guarantor fails to execute the water proofing or commits breach there under then the guarantor will indemnify the Principal and his by reason of any default on the part of GUARANTOR in performance and observance of this supplementary agreement. As to the amount of loss and/or damage and/or cost incurred by the Government, the decision of the Engineer-in-charge will be final and binding on the parties.

In witness where of these presents have been executed by the Obligor -----
-----and by the Executive Engineer (C), CCW, AKASHVANI, PUNE and for and on behalf of the President of India on the day, month and year first above written.

Signed, sealed and delivered by Obligor in the presence of

- 1.
- 2.

Signed for and on behalf of the President of India by the
Executive Engineer (C), CCW, AKASHVANI, PUNE.

in presence of :

- 1.
- 2.

CONDITION OF MATERIALS ARRANGED BY THE CONTRACTOR

I. CONDITIONS FOR CEMENT

1. The contractor shall procure 33 grade (conforming to IS 269) or 43 grade (conforming to IS 8112) ordinary Portland cement or Portland pozolana cement (conforming to IS 1489), as required in the work, from reputed manufacturers of cement, having a production capacity of one million tones or more per annum, such as ACC, L&T, J.P. Rewa, Vikram, Shri Cement, Birla Jute & Cement Corporation of India etc. as approved by Ministry of Industry Government of India, and holding license to use ISI certification mark for their product whose name shall be got approved from Engineer-in-Charge. Supply of cement shall be taken in 50 kg bags bearing manufacture's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-Charge and got tested in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within, a week's time of written order from the Engineer-in-Charge to do so.
2. The cement shall be brought at site in bulk supply of approximately 50 tones or as decide by the Engineer-in-Charge.

The cement go down of the capacity to store a minimum of 2000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made. Double lock provision shall be made to the door of the cement go down. The keys of one lock shall remain with the Engineer-in-Charge or his authorised representative and the keys of the other lock shall remain with contractor. contractor shall be responsible for the watch and ward and safety of the cement go down by the Engineer-in-Charge at and time. The day to day receipts and issue of cement shall be governed as per direction of Engineer-in-Charge.
3. The cement shall be got tested by Engineer-in-Charge and shall be used on work only, after test results have been received. The contractor shall supply free of charge the cement required have been received. The cost of test shall be borne by the contractor.
4. The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in relevant clause of the contract and shall be governed by conditions laid therein.
5. Damaged cement shall be removed from site immediately by the contractor on receipt of a notice in writing from the Engineer-in-Charge. If he does not do so within three days of the receipt of such notice, the Engineer-in-Charge shall get it removed at the cost of the contractor.

II. CONDITIONS FOR STEEL

1. The contractor shall procure Thermo Mechanically Treated /~~cold twisted~~/ steel reinforcement bars conforming to relevant BIS codes from main producers as approved by the Ministry of steel and secondary producers or re-rollers having valid BIS license. For TMT bars conforming to relevant BIS code, procurement shall be made from main producers and secondary producers having valid BIS license. The contractor shall have to obtain, and furnish test certificates to the Engineer-in-Charge in respect of all supplies of steel brought by him to the site of work. Sample shall also be taken and got tested by the Engineer-in-Charge as per the provisions in the regard in relevant BIS codes. In case the test results indicated that the same shall stand rejected and shall be removed from the site of work by the contractor at his cost within a week time from written orders from the Engineer-in-Charge to do so.
2. The steel reinforcement shall be brought to the site in bulk supply of 10 tonnes of more or as decided by the Engineer-in-Charge.
3. The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion and lengths shall be stored separately to facilitate easy counting and checking.
4. For checking nominal mass, tensile strength, bend test, re-bend test etc. specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than the specified below:

Size of Bar	For Consignment below 100 Tonnes	For Consignment above 100 Tonnes
Under 10mm dia. bars	One sample for each 25 tonnes or part thereof	One sample for each 40 tonnes or part thereof
10mm to 16mm dia. bars	One sample for each 35 tonnes or part thereof	One sample for each 45 tonnes or part thereof
Over 16mm dia. bars	One sample for each 45 tonnes or part thereof	One sample for each 50 tonnes or part thereof

5. The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in relevant clause of the contract and shall be governed by conditions laid therein.
6. Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer-in-Charge.

LIST OF APPROVED MAKE OF MATERIALS
(FOR CIVIL WORKS)

MATERIALS	APPROVED MAKE
Cement – OPC / PPC	ACC, Ultratech, Shree Cement, Birla, Ambuja, Century
White Cement	JK , BIRLA
CementBasedWall putty	Birla wallcare,JK White ,Berger, AsianPaints
Steel Reinforcement	SAIL, TISCO, RashtriyaIspat Nigam Limited(RINL)
Ready Mix Concrete	ACC, Ultratech, RMC India,Techno, Lafarge
Aluminium Section	Hindalco / Jindal / Indalco (Powder Coating as per approval of Engineer-in-Charge)
StructuralSteel/Tubes	Tata Steel, SAIL, RINL, Jindal,JSPL, APL, Apollo
Plasticizer,SuperPlasticizer,Admixtures,Otherconstructionchemicals	MC Bauchemie, Sika, Fosroc, BASF,Dr.Fixit,CICO,Asian paints, Sunanda SCPL, laticrete, SICA, STP Ltd.
AACBlocks	ULTRATECH,BILTech,SIPOREX,Ecolite,Aerocon, ACC, BILT,WONDER,ECOGREEN, Gogrej
ACCBlock Adhesive / Tile adhesive	ACC, ULTRATECH, J.K., FERROUSCRETEM, BAL ENDURA, AEROCON, ARDEX, ENDURA , Fosroc, BASF
Plywood, Block board, flush doors	Century, Archid ply, Kit ply, Green ply, Anchor, Duro Door, Merino
Metal-Fire rated Door Shutters	Signum, Adhuni,Steelimp,Adhuni,NaTechno,Goodlass,Basic,Adgrei, Sukri, BhawaniFire,Apco,Adco,Sul,ShaktiMet,Ozone,Alada,ShaktiMet,Ozone,Alada
Clear / Float / Frosted Glass / Mirror	SGG,BAN,MODIGLASS,ASAHI,PILKINGTON
ParallelThreadedCouplers	DEXTRA, G-TECH, Spplisetek, ISHITA
SS Cramp & Dash Fastner	Hilty, Fisher, Canon
CC Paver Block M-30 or any other Grade	M/s Dalal Tiles Industries, JCC tiles precast Ltd., NTC./Coral/Sneh/Creative
Stainless Steel	Selam steel, Jindal, Kich / Fitwell / Arch
SteelPrimer(RedOxide / ZincChromatePrimer)	Asianpaints,Berger,ICI,NEROLAC
Synthetic enamel paint	Luxol hi gloss brand of Berger paints, apcolite brand of Asian Paints, Nerolac Brand of good lass Nerolac paints.
Plastic emulsion paint	Luxol SILK brand, RANGOLI BRAND of berger paints, Royal Brand of Asian Paints, Nerolac Brand of goodlassNerolac paints.
Premium Acrylic Emulsion Paints (Interior)	AsianPaints : Royal Luxury Emulsion, Nerolac : Impression Berger : Silk , ICI-Dulux : Velvet touch
Oil bound distemper	Bison brand of Berger paints, Tractor brand of Asian Paints, solder brand of goodlassNerolac paints.
Exterior Paint	Snowcem India Ltd., Asian paints, Johnson & Nicolson
Cement Primer	Klick Nixon, Farco Brand of ICI, Asian Paints
TexturedExteriorPaint	Asianpaints, Nerolac, BergerPaints, UltratechPaints, Luxture, SPECTRUM, INSPIRA.
Acrylic Smooth Exterior Paint	Asian Paints :(Apex/Professional PremiumExteriorEmulsion), Nerolac:XL , Berger:weatherCoat, PEARL : PEARL-ULTIMA(Advance Anti-AlgalWeatherProofPaint), ICI-Dulux:WeatherShield

Premium Acrylic Smooth Exterior Paintwith Silicon additive	AsianPaints : ApexUltima, Nerolac : XLTotal Berger : weather Coat allguard, ICI-Dulux : WeatherShield max
Viterous China Wares	Hind Ware / Jaquar / Duravit
Stainless Steel Sink	Neel Kanth / Jayana / Nirali
C.P. Brass Fittings (ISIMarked), Brass Stop / Bib Cock	Jaquar (ESSCO series) / Marc / Hindware / Sieko
SCI / CI Pipes, Fittings	SRF / NECO / SKF
GI Pipes	Jindal / Prakash / Tata / Apolo
PVC Tanks	Sintex / Shital / Rotax
GI Fittings	Unik / KM
Ball Valve & Plates	LINK / LEADER / PRIMA
Gun Metal Valve	Sant / Leader / ZOLOTO
SW Pipes	Anand / Perfect
Floor & Wall Tiles : Ceramic / rectified / Vitrified tiles	KAJARIA, H R JOHNSON, NITCO, SOMANY, RAK, Orient,
Vitreous Chinaware sanitary work	Parryware, Hindware, Dovel, Jaquar, Cera
G I Pipes	Zenith/Tata/Jindal,SURYA,ASIAN
UPVC/CPVCPipe&Fittings	Finolex, Supreme, Prince, Astral, Ashirwad, Raksha.
PTMT (ISI Marked only)	Prayag, Polytuf
Rust remover, Rust passivator	Sunanda SCPL, Dr. Fixit
CI Manhole Cover & Frame	RIF, Kajero, Neco
Calcium Silicate False Ceiling	Aerolite, Armstrong, Llyod
APP membrane 3 mm Thick	TICKY DAN, Asian Paints, STP LTD, PIDLITE

Specification/brands names of materials (refer materials, whichever are applicable for the scope of work) and finishes approved by the Architect/engineer-in-Charge are listed above. However approved equivalent materials and finishes of any other specialized firms may be used, in case it is established that the brands specified above are not available in the market and suomoto approval of the alternate brand by the Architect / Engineer-in-Charge.

1. All other items shall be of ISI / BIS Mark as per approved sample kept at site of work.
2. The contractor shall provide the materials as per the make or brand indicated above. When two or more alternative/brands have been mentioned, the brand selected by the Engineer-in-Charge shall be final and binding.

PART - C

SCHEDULES

Name of work: Creation of additional spaces and up-gradation of existing VIP Guest House at FTII, Pune.

SCHEDULE 'A'

Schedule of quantities - As per "schedule of quantity" from Page No. 65 to 71

SCHEDULE 'D'

Extra Schedule for specific requirements/documents for the work, if any.	Additional Commercial Conditions /documents & Technical Specifications attached
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SCHEDULE 'E'

Reference to General Conditions of Contract:-	Applicable GCC is GCC 2023 Construction works as modified and corrected up to previous day of the last date of submission of tender
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Name of Work	: Renovation of VIP Guest House at FTII Law College Road Pune (Sub Head: Providing Internal Electrical installation fans fitting, ACs including Service connection cable)	
i)	Estimated cost work	₹ 53,65,026/-
ii)	Earnest Money	As per Major Component
iii)	Performance Guarantee	As per Major Component
iv)	Security Deposit	As per Major Component

SCHEDULE 'F'

General Rules & Directions:

Officer inviting Tender	:	As per Major Component.
Definitions :		
2(v)	Engineer-in-Charge	: Executive Engineer (E),CCW, AKASHVANI, PB (IPSB), Mumbai-20
2 (viii)	Accepting Authority	: As per Major Component
2 (x)	Percentage on cost of materials and labor to cover all overheads and profits	: 15%
2 (xi)	Standard schedule of Rates	: CPWD DSR 2022 & 2025 (Vol-II) with amendments up to last date of submission of Bid
2 (xii)	Department	: Civil Construction Wing, Akashvani
9 (ii)	Standard CPWD contract form	: Standard CPWD contract Form GCC 2023 Construction works , CPWD form 8 (Item rate) as modified and corrected up to previous day of the last date of submission of tender

Clause 1

Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance, Program Chart (Time and Progress) and applicable labor licenses, registration with EPFO, ESIC, and BOCW welfare Board or proof of applying thereof from the date of issue of letter of acceptance.	:	As per Major Component
Maximum allowable extension with late fee 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above.	:	As per Major Component

Clause 2

Authority for fixing compensation under clause – 2	:	As per Major Component
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Clause 2A

Whether Clause 2A shall be applicable	:	As per Major Component
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Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start	:	As per Major Component
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MILE STONE (S) AS PER TABLE GIVEN BELOW**Table of Milestone (s)**

Sr. No.	Description of Milestone (Physical)	Time allowed (from date of start)	% Amount of tendered cost to be with-held in case of non-achievement of milestone
1			
2	As Per Major Component		
3			
4			

Time allowed for execution of work	:	As per Major Component
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Authority to Decide:

1. Extension of time	:	Superintending Engineer (Civil) Mumbai
2. Rescheduling of mile stones	:	Superintending Engineer (Civil) Mumbai
3. Shifting of date of start in case of delay in handing over of site	:	Superintending Engineer (Civil) Mumbai

Clause 7

Gross work to be done together with net payment / adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment.	:	Tendered amount or ₹ 5, 00,000/ whichever is lower
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Clause 7 A

Whether Clause 7A shall be applicable. No running account bill shall be paid for the work till the application labour licenses, registration with EPFO, ESIC and BOCW welfare board which ever applicable are submitted by the contractor to the Engineer-in-Charge..	:	As per Major Component
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Clause 8 A

Authority to decide compensation on account if contractor fails to submit completion plans	:	Engineer-in-Charge
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Clause 10 A

List of testing equipment to be provided by the contractor at site lab.	:	As per instruction of Engineer-in-charge & requirement of work
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Clause 10-B(ii)

Whether clause 10-B(ii) shall be applicable	:	No
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Clause 10-C.

Component of labour expressed as percent of value of work	:	20%
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Clause 10 CA

As per Major Component

S. No	Materials covered under this clause	Nearest material (other than cement, reinforcement bars and structural steel) for which All India Wholesale price index to be followed	Base price of all the materials covered under clause 10CA
1			
2			
3			

Clause 10CC

Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column.	:	As Per Major Component
Schedule of component of other Materials,		Not Applicable
Labour, POL etc. for price escalation.		

Component of civil (Except materials covered under clause 10 CA)/ Electrical construction materials expressed as percent of total value of work.	X	Not Applicable
Component of labour expressed as percent of total value of work.	Y	
Component of POL expressed as percent of total value of work	Z	

Clause 11

Specifications to be followed for execution of work	:	CPWD General Specification for Elect. Works- Part-I /II/III/IV/V/VI &CPWD General Specifications for HVAC Works-2024 with amendments up to last date of submission of Bid and additional commercial & technical conditions attached.
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Clause 12

Authority to decide deviation up to 1.5 times of tendered amount : Engineer-in Charge

Type of Work	:	ORIGINAL/ MAINTENANCE
12.2. & 12.3		
(i) Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except earth work)	:	100 %/ No Limit
(ii) Deviation Limit for items in earth work sub head of DSR or related items	:	Not applicable

Clause 16

Competent authority for deciding reduced rates	:	Superintending Engineer (E) Civil Construction Wing, Akashvani, PB(IPSB), Nagpur
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Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site.	:	As per requirement at site
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Clause 19C

Authority to decide penalty for each default Clause	:	Engineer-in Charge
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Clause 19D

Authority to decide penalty for each default Clause	:	Engineer-in Charge
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Clause 19G

Authority to decide penalty for each default Clause	:	Engineer-in Charge
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Clause 19K

Authority to decide penalty for each default Clause	:	Engineer-in Charge
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Clause 25

Constitution of Dispute Redressal Committee (DRC)

For all claims in dispute

Chairman-		
Member-1		As per Major Component
Member-2		

Clause 32**Requirement of Technical Representative(s) and recovery Rate**

Requirement of Technical Staff		Minimum experience (Years)	Designation Technical staff	Rate at which recovery shall be made from the contractors in the event of not fulfilling
Qualification	Number (of Major + Minor component)			
Graduate Engineer or Diploma Engineer (E&M)	1 + 1	2 or 5 respectively	Project Manager Cum planning/ quality/ site/ billing Engineer	Rs. 30,000/- per Month per person

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Diploma holder with minimum 10 year relevant experience with a reputed construction company can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

Clause 38

- i. (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of N.A. printed by CPWD
- ii. Variation permissible on theoretical quantities:

a) Cement for works with estimated cost put to tender not more than Rs. 5 lakhs	:	Not Applicable
for works with estimated cost put to tender more than Rs 5 lakh	:	Not Applicable
b) Bitumen for all works.	:	Not Applicable
c) Steel Reinforcement and structural steel sections for each diameter, section and category.	:	Not Applicable
d) All other materials	:	Nil

Provision of Independent External Monitors:

- (i) Threshold value (Estimated cost put to tender) at and above which Integrity Pact would be Applicable 2(Two) Crore
- (ii) Particulars of IEMs appointed by CVC: The present names and addresses of IEMs are given below

Name/ Designation	Email
Smt. Meenakshi Mishra, IA & AS (Retd.)	pcmishra@hotmail.com
Shri Alok Prasad, IPS (Retd.)	alokewa@gmail.com

**General Specifications & Additional Conditions
(For Electrical Work)
Conditions for Component E & M Works (Minor)**

1. The main contractor shall submit the details of associated contractors registered with CPWD, MES, Railways, P&T & state PWD of Maharashtra eligible to carry out the E & M works like Internal Electrical Installation and for firefighting, Lifts & DG Sets contractors associated to take up the E & M works should have successfully completed similar works during the last 7 year ending previous day of last day of submission of bid. Completion certificated issued by the officer of the client department of the rank of Executive Engineer or equivalent and in case of private organization work by Managing Director/ Proprietor shall be duly attested by a Gazetted Officer will have to be physically submitted to the Executive Engineer (E).

The completion certificates must clearly indicate the following:-

- I. The date of completion of work
 - II. Nature of work
 - III. That the work has been completed satisfactorily
 - IV. Completed value of work
 - V. Remarks indicating grant of Extension of Time by the department, if any and penalty. If any, levied on this account.
 - a) Executed three works of similar nature of value not less than 40% of total value of particular distinct sub head/components of Two works of similar nature of value not less than 60% of total value of particular distinct sub head/ components or One work of similar nature of value not less than 80% of total value of particular distinct sub head/ components. All amount rounded off to the convenient figure.
 - b) In addition of above, the individual capacity of D.G. set will be 80% (rounded off to next available higher capacity) proposed in the NIT.
2. The main contractor will submit MOU signed with eligible registered electrical contractor and other agencies of minor components. However the main contractor shall be responsible and liable for proper & complete execution of the electrical works & ensure coordination and completion of both Civil & Electricals works. The Associate or sub-contractor shall attend the inspection of the work by the engineer-in-charge of E & M works as and when required.
 3. Acceptance of the tender shall be done by CE OR SE OR EE as defined in Schedule F and conveyed by the Engineer in charge of major component i.e. Civil portion of the work on behalf of the President of India. After the work is awarded, the main contractor will have to sign two/or more copies of agreement depending upon number of EE in charge of minor components. One set of agreement shall be handed over to EE (E) in charge of minor component. EE(C) of major components will operate part A and part B of the agreement. EE (E) in charge of minor components shall operate Part C along with Part A of the agreement. The main contractor has to enter in agreement with the contractor associated by him for execution of minor components.
 4. Running payment for the major components shall be made by EE(C) of major discipline to the main contractor. Running payment for minor components shall be made by the EE (E) in charge of the discipline of minor components directly to the main contractor. In case main contractors fails to make the payment the contractor associated by him within 15 days of receipt of each running account payment then on the written complaint of contractor associated for such minor components, EE(E) in charge of minor component shall serve the show cause to main contractor and after considering the reply of the same may make the payment directly to the contractor associated for minor component as per the terms & conditions of the agreement drawn between main contractor and associate contractor fixed by him, if reply of main contractor either not received or found unsatisfactory. Such payment made to component from the next RA/final bill due to main contractor ass thee case may be. (Modified as per OMIMANI178)
 5. If the main contractor fails to associate agency/agencies for execution of minor components of work within prescribed time or furnishes incomplete details or furnishes detail so find eligible agencies even after the tenderer is given due opportunity, the entire scope of such component of works shall be withdrawn from the tender and the same shall be got executed by the Engineer-in-charge at risk and cost of the main contractor.
 6. In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of respective Engineer-in-charge of the agreement the new agency/agencies shall also have to satisfy the laid down eligibility

criteria. In case Engineer-in-Charge of respective discipline is not satisfied with the performance of any agency, he can direct the main contractor to change the agency executing such items of work and this shall be binding on the contractor.

7. Supervision of various components of works will be carried out by concerned wings of the department under the overall coordination of the CE/SE/EE/AE.
8. Final bill of whole work shall be finalized and paid by the EE of major component. Other EE will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite work.
9. CE/SE of the concerned discipline will be competent authority for deciding reduce rates, if any. Date of completion of all components of work will be same. Levy of compensation Under Clause as well as fair and responsible extension of time will be granted by SE in charge of the major component in consultation with SE concerned of minor discipline And on receipt of required information in this regard from EE of major discipline as well as concerned of minor discipline.

Also EE in charge of major component shall be competent authority to give fair and reasonable extension of time under provision of clause 5 and SE in charge of major component shall be competent authority to reschedule milestones as stipulated under clause 5.

10. Same milestone shall be applicable for all components of work. The agencies of minor components will ensure that their components of work are executed in time without giving any change for slippage of milestones of the project. The amount to be withheld under Clause 5 of the contract will be decided by the EE of the main discipline only and not by other EEs. In the event of not achieving the necessary milestone as assessed from milestone bar chart, specified percentage of the tendered value of work will be withheld for failure of each milestone.
11. Arbitration case shall be handled by the EE of the major discipline along with the support of the minor discipline.

General Condition of E & M Works

Scope: - Creation of additional spaces and up-gradation of existing VIP Guest House at FTII, Pune.

The work shall be carried out as per CPWD General Specifications for Electrical works Part-I (Internal)- 2013 & Part-II (External)-1994,Part-VI(Wet riser & Sprinkler system-2006 & Part-VII (DG Sets)-2013,Part-III(Lifts & Escalators)2003as amended up to date, relevant IE rules, IS specifications and as per directions of Engineer-in-charge.

1. The contractor shall supply Three Sets of detailed programmer /detailed working drawing of Electrical fans & fitting , light plug/power plug i/c circuit wiring, L.T Panel, Cables Laying Fire Fighting System, and Lifts & DG Set etc.to the Engineering-in-charge for approval prior to execution of the work immediately after award of work. The Programmed shall contain details about supply of material, tentative date of installation, commissioning etc.
2. Unless and otherwise specified power supply and water supply will be arranged by the contractor at the site for installation purpose. Contractor will take due care to ensure safety of electrical installation during execution of work
3. The contractor shall engage suitably skilled/licensed workmen of various categories for execution of work supervised by supervisor/ Engineer of appropriate qualification and experience to ensure proper execution of work. They will be carry out instruction of engineer-in-charge and other senior officer of the department during the progress of work.
4. The installation will be handed over to the department after necessary testing commissioning.
5. All materials to be arranged by the contractor for use in the work must be got approved from the engineering charge well in advance before this are actually used in the work. On compliance of the above shall attract the department for non-payment of the material used.
6. Bad workmen ship is liable to be rejected in Toto.
7. The contractor/his supervisor will be bound to sign in the site order book and to carry out the instruction given therein.
8. All repairs and petty works shall be neatly carried out to match with the original finish and to the entire satisfaction of the Engineer-in-charge. Any damage to the building due to execution the electrical work shall be made good immediately by the contractor at his own cost.
9. The contractor shall make his own arrangement of storing the materials and its watch and ward at his own cost. He will be responsible for watch and ward of the installation till the Completion and handing over of the work.
10. Electrical work shall work have to be executed along with the building work. The contractor has to engage the qualified E/M Engineer at site for execution of E&M works.
11. The contractor shall make his own arrangement at his own cost for all general and electrical Tools and paints required for the work.
12. All debris due to the electrical work shall be removed and site shall be cleared by the contractors, as soon as the work is completed.
13. All the materials to be used in the work shall conform to one of the following specification in order of priority.
 - CPWD general specification as per para (1)
 - The material should conform to ISI specification and should be ISI marked.
 - c) If materials to be used not covered in any one of the above the specification it should be got approved from the Engineer-in-charge
15. In case particular make of material mention are not available at the time of execution the alternative make of materials is God to be approved from the Engineer-in-charge before its use.
16. Any work done by the department out of the schedule attached with the agreement before award of work shall be recovered from the contractor at the rates to be arrived under clause 12 of the agreement. The contractor should ensure that he satisfy himself

regarding the quantity of the work done by the department/other agencies before the starts of work.

17. The contractor shall submit the test certificate/challan obtained from the manufacturer's authorized dealers in support of genuineness of procured materials to be used at work if required by Engineer-in-charge.

18. The rates quoted shall be net and inclusive of all duties, levies and taxes without any conditions. Any condition in the price bid shall make the tender liable for cancellation.

NOC from local fire authority, lift Inspector, CPCB/ State Pollution Control Board, CEA /local Electrical inspector and Other Licensing Authorities, wherever required and any other type of NOC as per local by-laws, shall be the responsibility of contractor i/c payment of necessary fee etc.

COMMERCIAL AND ADDITIONAL CONDITIONS

1. The work is to be executed at FTIL Law College Road Pune.
2. The work shall be executed as per CPWD General Specifications for Electrical Works Part – I, II, CPWD General Specifications for HVAC Works-2024 and as amended up to date, relevant I.E. Rules, BIS, IEC and as per directions of Engineer – in –Charge. These additional Specifications are to be read in conjunction with above and in case of variations; specifications give in this Additional condition shall apply. However, nothing extra shall be paid on account of these additional specifications & conditions as the same to be read along with schedule of quantities for the work.
3. The tenderers should, in their own interest, visit the site and familiarizes themselves with the site conditions before tendering.
4. No T & P shall be issued by the Department and nothing extra shall be paid on account of this.
5. The tenders are advised not to deviate from the technical specifications / items, commercial terms and conditions of NIT like terms of payment, guarantee, arbitration clause, escalation etc.
6. The price bids of only prequalified firm shall be opened. The time and date of opening of price bid shall be intimated later on.
7. In case it is found that the tender of any of tenderer is not in line with NIT Specification, requirements or contains many deviations, the department reserves the right to reject the tender of such firm(s) without making any reference to the tenderers(s).
8. ~~The tenders will be opened by the Executive Engineer (E), Civil Construction Wing, Akashvani, Mumbai in the presence of the interested representatives of the tenderers who wish to be present on due date as decided.~~
9. The department reserves the right to reject any or all the tenders and call for fresh tenders as the case may be without assigning any reason.
10. **Terms of Payment: -**

As per Clause 7 mentioned in SCHEDULE 'F' of CPWD -7

11. **Rates: -**

The rates quoted by the tenderer, shall be firm and inclusive of all taxes (including GST), duties and levies and all charges for packing, forwarding, insurance, freight & delivery, installation, testing, commissioning etc. at site including temporary constructional storage, risk, overhead charges, general liabilities / obligations and clearance from local authorities, if any. However, the fee for these inspections shall also be borne by the agency. The department will not issue any exemption certificate.

12. **Completeness of tender: -**

All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections and all other items which are useful & necessary for efficient assembly and installation of equipment & components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specifically mentioned in the tender documents or not.

13. **Care of the building: -**

Care shall be taken by the contractor while handling and installing the various equipment's and components of the work to avoid damage to the building. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out of the installation from the site of work.

14. **Completion Period: -**

The completion period of **as per Major Component** indicated in the tender documents is for the entire work of planning, designing, supplying, and installation, testing, commissioning and handing over the entire system to the satisfaction of the Engineer-in-charge.

15. **Performance Guarantee: - As per Major Component**

16. **Guarantee: -**

All the equipment's shall be guaranteed for a period of 12 (twelve) months from the date of taking over the installation by the department against unsatisfactory performance and / or breakdown due to defective design, workmanship of materials. The equipment's or components or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced with cost, to the satisfaction of the Engineer-in-Charge. In case it is felt by the department that undue delay is being

caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final.

17. Power Supply: -

Electric service connection of 415 V.3 phase, 4 Wire, 50 Hz, AC supply shall be provided by the department for installation purpose free of charge.

18. Water supply: -

Water supply shall be made available by the department at one point in the campus free of cost.

19. Data Manual and Drawings to be furnished by the tenderers with tender: -

The tenderer shall furnish along with the tender, detailed technical literature, pamphlets and performance data for appraisal and evaluation of the offer.

20. After award of work: -

The successful tenderer should furnish well in advance three copies of detailed instructions and manuals of manufacturer for all items of equipment's regarding installation and maintenance including preventive maintenance and troubleshooting together with all the relevant data sheet, spare part catalogue and workshop procedure for repairs, assembly and adjustment etc. all in triplicate.

Extent of work

- i. The work shall comprise of entire labour including supervision and all material necessary to make a complete installation and such tests and adjustments and commissioning as may be required by the department. The term completes not only mean major items of the plant and equipment's covered by specifications but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not those have been mentioned in details in the tender documents in connection with this contract.
- ii. Minor building works, necessary for installation of equipment's, foundation, making opening in walls or in floors and restoring to their original condition, finish and necessary grouting etc. as required.
- iii. The work is turnkey project. Any item required for completion of the project but left inadvertently shall be executed within the quoted rates.

21. Inspection and testing: -

Copies of all documents of routine and type test certificate of the equipment's, carried out at the manufacturer's premises, shall be furnished to the Engineer-in-Charge and consignee. After completion of the work in all respect, the contractor shall offer the installation for testing and operation.

22. Validity: -

Tender shall be valid for acceptance for a period **as per Major Component.**

23. Compliance with Regulations & Indian Standards: - All work shall be carried out in accordance with relevant regulation, both statutory and those specified by Indian Standards related to the works covered by this specification. In particular, the equipment and installation will comply with the following.

- i. Factories Act with update amendments.
- ii. Indian Electricity Rules with update amendments.
- iii. IS & BS Standards as applicable with update amendments.
- iv. Workmen's compensation Act with update amendments.
- v. Statutory norms prescribed by any local bodies like power Supply Company etc.

24. Nothing in the specification shall be construed to relieve the successful tenderer of his responsibilities for design manufacture and installation of the equipment with all accessories in accordance with currently applicable statutory regulation and safety codes.

25. Successful tenderer shall arrange for compliance with statutory provisions for safety regulation and departmental requirements of safety codes in respect of labour employed on the work by the tenderer. Failure to provide such safety requirements would make the tenderer liable for penalty of Rs. 500.00 for each default. In addition, the department will be at liberty to make arrangement for the safety requirements at the cost of tenderer and recover the cost thereof from him.

26. Indemnity: -

The successful tenderer shall at all times indemnify the department consequent on this works contract. The successful tenderer shall be liable in accordance with the Indian Law and Regulation for any accident occurring due to any cause and the department shall not be responsible for any accident or damage incurred or claims arising there from during the period of erecting, construction and putting into operation the equipment and ancillary equipment's under the supervision of the successful tenderer

in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer due to the above.

27. Erection Tools: -

No tools and tackles either for unloading or for shifting the equipment's for erection purpose would be made available by the department. The successful tenderer shall make his own arrangements for all these facilities.

28. Cooperation with other agencies: -

The successful tenderer shall coordinate with other contractors and agencies engaged in the construction of the building, if any, and exchange freely all technical information so as to make the execution of this works contract smooth. No remuneration should be claimed from the department for such technical cooperation. If any unreasonably hindrance is caused to other agencies and any completed portion of the work has to be dismantled and redone for want of cooperation and coordination by the successful tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the successful tenderer himself. The work will be carried out with least disturbance during shifting and shut down taken in consultation with client department.

29. Mobilization Advance: -

No mobilization advance for this work shall be paid.

30. Insurance and storage: -

All consignments are to be duly insured up to the destination from warehouse at the cost of the supplier. The insurance cover shall be valid till the equipment is handed over duly installed, tested and commissioned.

31. Verification of correctness of Equipment at destination: -

The contractor shall have to produce all the relevant records to certify that the genuine equipment from the manufacturers has been supplied and erected.

32. Painting: -

This shall include cost of painting of entire installation before dispatch to the site. However, angle iron post, steel fabric, supports etc. shall be painted with required shade including painting with the costs of anticorrosive primer paint at site.

33. Maintenance: -

Sufficient trained and experienced staff shall be made available to meet any exigency of work during the guarantee period of one year from the handing over of the installation.

34. Interpreting Specifications: -

In interpreting the specifications, the following order of decreasing importance shall be followed in case of contradictions.

- i. Description of Schedule of quantities.
- ii. Particular specification and special condition.
- iii. Drawings.
- iv. CPWD Specifications.
- v. Relevant BIS or other international code in case BIS Code is not available/
ASHRAE standards.

Special Condition for Internal Electrical Installation works

- 1) All material required to be used on work shall be got approved from the Engineer-In-Charge, we in advance.
- 2) Earthing, Cable laying, Cement concrete works and testing of the installation shall be done in presence of the Engineer-In-Charge or his authorized representative.
- 3) On completion of work the Contractor shall test the installation and produce Test Certificate along with completion plan in accordance with the CPWD specification failing which a recovery shall be made from the bill of the Contractor as per Clause 8B.
- 4) All debris at site shall have to be removed by the contractor before handing over the installation to the Department.
- 5) The Main board shall be fabricated in consultation with the Engineer-In-Charge. Adequate space for providing energy meter, Cut out for providing Energy Meter, Cut out for providing Service Connection shall also be made on the Main Board.
- 6) The Successful tendered shall be making his own arrangement for storage and watch and ward of materials whether the same brought by him or supplied by the department. He shall remain responsible for watch and ward of installation and other fitting till these are commissioned and handed over to the department.
- 7) Cement required for the work shall have to be procured by the Contractor himself.
- 8) Electrical contractor will make recess in-brick work by cutting chases for provision of Electrical conduit and metal box according to the electric drawings for electrical services. Electrical Contractor will fix the conduits and boxes and there after close the chases up to the surface of masonry work in cement mortar 1:4 (1 Cement 4 Sand). There after surface of chases shall be plastered and finished by the Contractor (Civil Contractor) with mix and specification same as for plaster to ensure smooth and even surface. Nothing extra shall be paid to the contractor for above operations irrespective of whether the chases are not before or after plastering of the Wall.
- 9) All the fitting and fans should be proper Earthed.
- 10) Termination of wiring inside the DB's and Main Board should be by crimped connection. For which no extra payment shall be made.
- 11) The brass batten angle holder should be ISI marked.
- 12) The agency will have to return back the dismantled material if any except as specified in the item, to the concerned AE (E)/JE (E) at his store, for which no extra cartage shall be paid.
- 13) Before starting the fabrication. The Contractor shall prepare drawing of the Main Board/Feeder Pillar, shall be got approved from the Engineer-In-Charge.
- 14) Following makes for use in the work are preferred. Prior approval of Engineer in charge is necessary for deviation from the preferred makes.
- 15) The contractor or his representative is bound to sign the site order book as and when required by the Engineer-in-Charge and to comply with the remarks therein
- 16) The entire installation shall be at the risk and responsibility of the contractor until these are tested and handed over to the department. However, if there is any delay in construction from the department side, the installation may be taken over in parts, but the decision on the same shall rest with Engineer-in-Charge which shall be a binding on the contractor.
- 17) No claim for idle labour shall be entertained.
- 18) The connection, inter connection, earthing and inter earthing shall be done by the contractor wherever required and nothing extra shall be paid on this account.
- 19) Any accident liabilities will be the responsibility of the Contractor.
- 20) No T & P will be issued to the Contractor

List of Acceptable make

The materials of first quality from the below preferred makes. In case it is established that the brands specified below are not available in the market, contractor shall submit alternative proposal for the approval of the Engineer-in-Charge. When two or more alternative brands have been mentioned, the brand to be finally used shall be as decided by the Engineer-in-Charge and as per sample approved before procurement and Installation. The contractor shall submit samples of all materials within 7 Days before procurement for approval and shall procure directly from the manufacturer or their authorized distributor / dealers only

A) PVC insulated FRLS copper Conductor single core Cable/XLPE 1.1 KV grade armoured cables	:	Polycab / RR Cable / Avocab / Bin Cab / Havells / Finolex
B) Modular Accessories	:	Roma-Anchor / Honeywell-Horizon / Legrand / Spectra-Presium / Philips
C) PVC Conduit/Trunking	:	Precision / Mihir / Modi / Press Fit/Diamond/ Legrand
D) Telephone TV Wire/UTP CAT6 LAN Cable	:	Finolex / Delton / Havells / Polycab/D-Link
E) Exhaust Fan	:	Bajaj / Almonard / Khaitan / Usha /Crompton
F) Ceiling Fan	:	Usha / Bajaj / Khaitan / Havells/Luker/Crompton
G) Wall bracket/Streetlights/Poles	:	Havells/ Bajaj/ Philips/Wipro/ Luker/K Lite/ Glowmac
G) MCB's & MCB DB's	:	Havells / ABB /L&T / Legrand / EE/Schneider/Hager
H) Energy Meters	:	HPL / Schneider / Secure / Conzerv / L&T/ Rishabh/ Trinity / Elmeasure
I) Switch Gears/MCCB	:	L&T / Havells / EE / Schneider /ABB/Legrand/Hager
J) Capacitor Banks	:	Schneider / Prabodhan / Subhodhan / Mihir / L&T / BCH
K) Panel Meters	:	L&T / Havells / HPL / AE / Schneider / Secure / Conzerv/ Rishabh/ Trinity / Elmeasure
L) LED fittings	:	Havells/Philips/Bajaj/Syska/Crompton/Wipro/Luker/K-Lite
M) Split AC Units	:	(Condenser and Evaporator coil shall be of Copper Only) Carrier/ Daikin/ Voltas/ Blue star/ Panasonic/ Mitsubishi/O Genral
N) Water supply Pump sets	:	Crompton/Kirloskar/Beacon/KSB/CRI
O) M.S./G. I. Pipes	:	TATA/JINDAL/MSL/PRAKASH/SWASTIK or any ISI marked
P) Valves	:	AUDCO/Kirloskar/Sant/Zoloto/ or any ISI marked
Q) UPS	:	Vertive/ Riello Power India Private Limited/APC/Eaton/ Best Power Equipments (I) Pvt. Ltd
R) Batteries for UPS	:	As per UPS OEM recommendations
S) Octagonal Poles	:	Aaron India Industries/Bajaj/Ajay Poles/Laxmi Industries
T) DWC/HDPE Pipe	:	TelREX/Duraline/Gemini pipe/Ashish
U) L2/L3/POE switch	:	CISCO/Fortinet/Juniper/Zyxel/ Extreme/Allied-Telesis/Compatible with existing networking system
V) MS Rack	:	Rittal/ Poweride /Comrack/ Vallrack/ Dynamic/Rackom

SCHEDULE OF QUANTITY(CIVIL WORKS)					
Name of Work : Creation of additional spaces and up-gradation of existing VIP Guest House at FTII, Pune.					
Name of the Tenderer's Firm (Agency):-					
Address/Contact No./Email of the Firm:-					
SLNo	Description	Qty	Unit	Rate	Amount
1	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
1.1	1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources: 6 graded stone aggregate 20 mm nominal size derived from natural sources)	32	cum		0.00
2	Providing and laying Autoclaved Aerated concrete(AAC) blocks masonry 100 mm/ 125 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum conforming to IS:2185 (Part 3) in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand). The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work.	36	cum		0.00
3	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 of edges to give high gloss finish etc. complete at all levels.				0.00
3.1	Granite stone slab of colour black, Cherry/Ruby red				0.00
3.1.1	Area of slab upto 0.50 sqnn	90	sqm		0.00
4	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	20	metre		0.00

5	Providing and fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination and other side balancing lamination Grade 1, Type II, IS : 12823 marked, including priming coat on unexposed arrangement and screws etc. complete:				
5.1	18 mm thick	370	sqm		0.00
6	Providing and fixing 1st 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.	251	sqm		0.00
7	Providing and fixing Kadapah stone slab 25 to 40 mm thick with table rubbed, fixed in wall by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.	10	sqm		0.00
8	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:				
8.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	41	sqm		0.00
9	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	41	sqm		0.00
10	Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25 mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete:				
10.1	25 mm dia	81	metre		0.00
11	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
11.1	200x10 mm	22	each		0.00
12	Providing and fixing bright finished brass door latch with necessary screws etc. complete :				
12.1	250x16x5 mm	22	each		0.00

13	Providing and fixing bright finished brass handles with screws etc. complete:				
13.1	125 mm	44	each		0.00
14	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	22	each		0.00
15	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	22	each		0.00
16	Providing and fixing bright finished 100 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer- in-charge.	22	each		0.00
17	Providing and fixing to existing door frames.				
17.1	24 mm thick factory made PVC door shutters made of styles cleats. The shutter frame filled and rails of uPVC hollow section of size 59x24 mm and wall thickness 2 mm (± 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer- in-charge. (For W.C. and bathroom door shutter).	23	sqm		0.00
18	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
18.1	1.5 mm thick	205	sqm		0.00
19	Providing and fixing factory made uPVC glazed/wire mesh windows/ doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade				

	sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately. Note:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for (i) Sites with basic wind speed > 45 m/sec as per IS 875 — Part 3 (ii) Sites with structure height more than 20m for all wind speeds				
19.1	Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.				0.00
19.1.1	Using R2 series with frame (70 mm & above) x (40 mm & above) & both glazed and fly screen sash (25 mm & above) x (50 mm & above) with zinc alloy (zamak) powder coated touch locks with hook. (Height upto 1.2 metre).	81	sqm		0.00
19.2	Fixed window/ ventilator without mullion /transom.				
19.2.1	Using R1 series with frame (33 mm & above) x (35 mm & above). (Height upto 0.90 metre)	8.5	sqm		0.00
20	Providing and fixing zinc alloyed (white powder coated) touch lock for uPVC sliding window with necessary screws etc. complete.	86	each		0.00
21	Providing and fixing steel roller for uPVC sliding window with necessary screws etc. complete.	172	each		0.00
22	Providing and fixing wooden moulded corner beading of triangular shape to the junction of panelling etc. with iron screws, plugs and priming coat on unexposed surface etc. complete 2nd class teak wood. a) 25x25 mm (base and height)	350	metre		0.00
23	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.				
23.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	3300	kg		0.00

24	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm ²), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.				
24.1	10 x 80 mm	50	each		0.00
25	Extra for using G.I. hollow tubes of required size in lieu of mild steel tubes in relevant item.	3200	kg		0.00
26	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.	65	sqm		0.00
27	Providing and laying Vitrified tiles in floor in diferent 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 on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only .Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.				
27.1	Glazed vitrified floor tiles polished finish of size				
27.1.1	Size of Tile 600 x 600 mm	135	sqm		0.00
27.1.2	Size of Tile 600 x 1200 mm	425	sqm		0.00
27.1.3	Size of Tile 1200 x 1200 mm	280	sqm		0.00
28	Providing and laying Vitrified tiles in diferent 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 @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.				
28.1	Size of Tile 600x600 mm	462	sqm		0.00
29	Extra for using polished vitrified floor tiles of size 1200x1800 mm instead of 1200x1200 mm.	280	sqm		0.00

30	Providing and fixing self adhesive Premium quality carpet tile 600x600 mm size of approved quality & design with peel & stick DIF flooring as adhesive floor renovation all complete as per the direction of Engineer-in-charge.	798	sqm		0.00
31	Providing and fixing false ceiling at all heights including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25 mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, difusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :				
32	12.5 mm thick tapered edge Glass Reinforced Gypsum (GRG) board conforming to IS: 2095- (Part 3):1996 (Boards with BIS certification marks)	384	sqm		0.00
33	Providing and fixing precoatedgalvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	280	sqm		0.00

34	Providing and fixing precoatedgalvanised steel sheet roofing accessories of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05 mm) with Zinc coating 120 gram per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
34.1	Ridges plain (500- 600mm)	40	metre		0.00
34.2	Crimp curve	36	sqm		0.00
35	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like difusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.				
35.1	12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16 mm thick fire retardant PVC film on the face side and 12 micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit.	260	sqm		0.00

36	Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour:				0.00
36.1	New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	720	sqm		0.00
37	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
37.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	1020	sqm		0.00
38	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.				
38.1	On steel work	120	sqm		0.00
39	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.	1800	sqm		0.00
40	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
40.1	Two coats	650	sqm		0.00
41	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	1800	sqm		0.00
42	Providing and Self adhesive wall paper Peel & Stick water proof Vinyl Contact Paper of approved brand and manufacture over walls etc, complete as per the direction of Engineer-in-charge.	430	sqm		0.00
43	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
43.1	Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	32	cum		0.00
44	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.				

44.1	In cement mortar	50	cum		0.00
45	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
45.1	Of area 3 sq. metres and below	84	each		0.00
46	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
46.1	For thickness of tiles 10 mm to 25 mm	876	sqm		0.00
47	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	15	each		0.00
48	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	113	cum		0.00
49	Providing and fixing CP Brass 32 mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	15	each		0.00
50	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :				
50.1	Circular shape 450 mm dia	15	each		0.00
50.2	Rectangular shape 1500x450 mm	13	each		0.00
51	Providing and fixing toilet paper holder :				
51.1	Vitreous china	15	each		0.00
52	Providing and fixing white vitreous china extended wall hung water closet of size 360x580x360 mm of Jaquar ARS-WHT-39951 UFSM with UF soft close slim seat cover, hinges, accessories set etc complete as per the direction of Engineer-in-charge.	15	each		0.00
53	Providing and fixing table top wash basin of Jaquar make STS-WHT-107905 of size 410x410x145 mm with 32 mm C.P. brass waste of standard pattern all etc. complete as per the direction of Engineer-in-charge.	15	each		0.00
54	Providing and fixing 15 mm single lever basin mixer continental Prime COP-CHR-001 BPM bain mixer without pop up waste with 450 mm long breaded hose all etc. complete as per the direction of Engineer-in-charge.	15	each		0.00

55	Providing and fixing concealed body for single lever diverter 35 mm cartridge with button assembly (Button on top) but without exposed part of Jaquar make ALD-CHR-055N all etc. complete as per the direction of Engineer-in-charge.	15	each		0.00
56	Providing and fixing JaquarMetropole flush valve chrome FLV-CHR-1093N regular 40 mm size (concealed body) with exposed shut off provision and round flange all etc. complete as per the direction of Engineer-in-charge.	15	each		0.00
57	Providing and fixing hand shower (health faucet) chrome ALD-CHR-573 with 8 mm dia. flexible tube upto 1 metre long and wall hook of Jaquar make all etc. complete as per the direction of Engineer-in-charge.	15	each		0.00
58	Providing and fixing Jaquar EOS-CHR-542A overhead shower rose 125 mm dia. Round shape single flow (ABS body chrome plated with gray face plate with Rubit cleaning system) all etc. complete as per the direction of Engineer-in-charge.	15	each		0.00
59	Providing and fixing 15 mm C.P. brass 2 way bib cock with flanges of Jaquar LYR-CHR-38041 all etc. complete as per the direction of Engineer-in-charge.	15	each		0.00
60	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and 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. Internal work - Exposed on wall				
60.1	32 mm nominal dia Pipes	30	metre		0.00
60.2	40 mm nominal dia Pipes	30	metre		0.00
61	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and 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. Concealed work, including cutting chases and making good the walls etc.				
61.1	20 mm nominal dia Pipes	150	metre		0.00
61.2	25 mm nominal dia Pipes	150	metre		0.00
62	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				
62.1	25 to 40 mm nominal bore	10	each		0.00
63	Providing and fixing uplasticised PVC connection pipe with brass unions :				

63.1	45 cm length				
63.1.1	15 mm nominal bore	15	each		0.00
64	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
64.1	15 mm nominal bore	15	each		0.00
65	Providing and fixing PTMT grating of approved quality and colour.				
65.1	Rectangular type with openable circular lid				
65.1.1	150 mm nominal size square 100 mm diameter of the inner hinged round grating	30	each		0.00
66	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc.to be paid separately).	3.5	sqm		0.00
67	Providing and fixing 12 mm thick toughened glass for fixed portion of approved brand and manufacture etc. all complete as per direction of Engineer in charge.	3	sqm		0.00
68	Providing and sticking self stickingself design finish polyester film of approved brand and manufacture over glass including cleaning the glass thoroughly with soap etc, complete as per the direction of Engineer-in-charge.	6.5	sqm		0.00
69	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	65	sqm		0.00

70	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. (Note: stainless steel butt hinges and necessary S.S screws shall be paid separately)				
70.1	35 mm thick	82	sqm		0.00
71	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid board one side white color and other side of board laminated with PVC foil of minimum 14 micron thickness of approved design pasted with hot melt adhesive for cup boards, work stations and bathroom/ kitchen cabinet etc. of required sizes comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel piano hinges/soft close clip on concealed hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. (Note: stainless steel piano hinges/soft close clip on concealed hinges and necessary S.S screws shall be paid separately)				
71.1	18 mm thick	124	sqm		0.00

72	Providing and fixing the 100% polyester made roller blind fabric of black out of approved design and pattern to eliminate the rays with side support for the top roller cylinder along with side pulley, plastic rope and bottom roller gliding cylinder made of aluminium and side fitted with wellgrove including fixing charges etc. complete as per the direction of Engineer-in-charge.	177	sqm		0.00
	Total Civil Component Amount				0.00

SCHEDULE OF QUANTITY (ELECTRICAL WORKS)					
Name of Work : Creation of additional spaces and up-gradation of existing VIP Guest House at FTII, Pune.					
Name of the Tenderer's Firm (Agency):-					
Address/Contact No./Email of the Firm:-					
SLNo	Description	Qty	Unit	Rate	Amount
	SH-I Internal Electrical installation.				
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required				
1.1	Group C	260	Point		0.00
2	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.				
2.1	Group C	125	Point		0.00
3	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.	120	Point		0.00
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required				
4.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	15	Metre		0.00
4.2	4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	15	Metre		0.00
4.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	100	Metre		0.00
4.4	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	100	Metre		0.00
4.5	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	100	Metre		0.00
4.6	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	50	Metre		0.00
5	Supplying and drawing following sizes of FRLS PVC insulated copper conductor single core cable in the existing surface / recessed steel / PVC conduit / casing as required.				
5.1	3 X 2.5 sq. mm	100	Metre		0.00
5.2	6 X 2.5 sq. mm	200	Metre		0.00
5.3	3 X 4 sq. mm	600	Metre		0.00

5.4	6 X 4 sq. mm	600	Metre		0.00
5.5	2 X 6 sq. mm	320	Metre		0.00
5.6	3 X 6 sq. mm	200	Metre		0.00
5.7	6 X 6 sq. mm	300	Metre		0.00
6	Supplying and Drawing of UTP 4 pair CAT 6 LAN cable in the existing surface / recessed steel / PVC conduit as required.				
6.1	1 run of cable	100	Metre		0.00
6.2	2 run of cable	200	Metre		0.00
6.3	3 run of cable	100	Metre		0.00
7	Supplying and fixing of following sizes DLP U-PVC trunking cable management system with cover and accessories etc complete as required.				
7.1	80mm x 50mm	100	Metre		0.00
7.2	32mm x 20mm	300	Metre		0.00
8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required	30	Each		0.00
9	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required.	75	Each		0.00
10	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required	25	Each		0.00
11	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	35	Each		0.00
12	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required	55	Each		0.00
13	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.				
13.1	2 Module	25	Each		0.00
14	Supplying and erecting modular type computer Jack RJ45 CAT6 with safety shutter, duly erected on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	25	Each		0.00
15	Supplying and erecting ISI mark modular type USB Charger socket of 1 Module with nominal output voltage of 5 V DC $\pm 5\%$ and nominal output current of 5 V - 2.0A , duly erected on provided plate and box with wiring connections complete as required.	20	Each		0.00

16	Supplying and fixing 12U wall mount rack as per specification	1	Each		0.00
17	Supplying and fixing 24 port patch panel with tool-less keystone jacks in provided U Rack complete as per specification	1	Each		0.00
18	Supplying, fixing, and configuring 24 ports, POE switch in provided rack as per specification	1	Each		0.00
19	Supplying and fixing 1 m UTP patch cord of Cat 6 type in position as per specification	24	Each		0.00
20	Supplying and erecting ding dong / electronic musical type call bell with heavy duty coil suitable to operate on 230V A.C. supply erected on polished double wooden block/sunmica block of suitable size.	14	Each		0.00
21	Dismantling of old light/fan point wiring power wiring circuit wiring, submain wiring, ceiling fans, light fittings, switch/socket boards, sub distribution board, carrying the materials to store etc. as required (Ground Floor, 1st floor, 2nd floor & 3rd Floor)	1	Job		0.00
				Total SH-I	0.00
	SH-II : Fans & Fitting				
1	Supplying and erecting bulk head LED fitting max. 10W with high transitivity diffuser, in built surge protection, including driver, IP65, connection etc as required.	5	Each		0.00
2	Supplying and erecting LED Strip light 5m Length Max. 45 W IP20 class having minimum lumens output of 800 Lumens/m, min. efficacy of 90 lumen/W, CRI>80, CCT upto 5000K, Beam Angle of 110 deg., THD<10%, p.f. >0.95, operating range of 230-270V, Life class of 30,000 Hrs. at L70B50, including driver with 1 year warranty.	45	Each		0.00
3	Supplying and erecting LED square / circular Max. 18 W down lighter/Panel Light having pressure die-cast aluminium housing, polystyrene diffuser having system lumens output of Min. 2000 Lumens, min. efficacy of 110 lumen/W, CRI>80, CCT upto 6500K, Beam Angle of 120 deg., max. ripple of 5%, THD<10%, p.f. >0.95, operating range of 120-270V, surge protection of 2.5 kV, Life class of 50,000 Hrs. at L70B50, including driver, having mounting arrangement with board for surface type or spring loaded mounting clips complete with 3 years warranty.	175	Each		0.00
4	Supplying LED concealed type foot / step light with aluminium body for indoor/outdoor application suitable for 4W-6W LED including driver and erecting by making necessary arrangement / recess in wall to make it flush with surface with 1 year warranty.	20	Each		0.00
5	Supplying & erecting UV Fly killer/ bug catcher Light Fitting having 2 x20W UV Tube Lights to cover min. area of 500 sq.ft with powdered coated M.S./ steel body suitable to work on 230V, AC Supply having top mounting arrangement with SS chain complete and 3 core 1 mtr. flexible wire with 1 year warranty.	5	Each		0.00
6	Supplying, Installation ,Testing, Commissioning of wall bracket /ceiling fittings of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.				

6.1	LED Surface Streak Track Light minimum 12 watt Round 4000 K with aluminum structure, with adjustable light engine to achieve the desired illumination angle including necessary track as required.	30	Each		0.00
6.2	Decorative wall mounting light with matt gold finish with soda glass type suitable for minimum 4 W G9 LED Lamp with G9 base including lamp as required.	60	Each		0.00
6.3	Decorative, surface mounting sleek black pendant, modern design and elegant finish that pairs perfectly with Dazzle Shine lamp with minimum 5 watt E27 LED lamp etc as required	40	Each		0.00
7	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, 3nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, suitable for 230 volts 50HZ single phase AC supply, earthing etc. complete as required.	35	Each		0.00
8	Supplying and erecting exhaust fan medium duty 230 V A.C. 50 cycles 225 mm. 1400 RPM with condenser complete erected in position with necessary materials.	20	Each		0.00
				Total SH-II	0.00
	SH-III : MDB & SDB				
1	Supplying and fixing following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of tinned copper busbar, common neutral link, earth bar, din bar for mounting MCB's in outgoing and MCCB as incomer, interconnection between incomer MCCB and busbars (but without MCCB & MCBs) as required .				
1.1	8 way TPN vertical double door	8	Each		0.00
2	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
2.1	8 way , Double door	4	Each		0.00
3	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				0.00
3.1	63/100 amps, 10KA, Four Pole MCCB	8	Each		0.00
4	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required				
4.1	Single pole	192	Each		0.00

5	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required				
5.1	63 A	4	Each		0.00
5.2	100 A	1	Each		0.00
6	Supplying and fixing Cable End Box (Loose Wire Box) suitable for triple pole and neutral, sheet steel, Vertical MCB distribution board, 415 Volts, on surface/ recess, complete with testing and commissioning etc. as required	8	Each		0.00
				Total SH-III	0.00
	SH-IV : Service Connection				
1	Supplying and laying of following sizes of 1.1 KV grade Aluminium conductor XLPE insulated armoured cable conforming to 7098 (Pt-1) 1988 complete with all amendments in following manner etc. as required.				
1.1	3½ x 185 Sq.mm in existing masonry open duct	20	Metre		0.00
1.2	3½ x 185 Sq.mm in existing DWC/GI/RCC/PVC pipe	110	Metre		0.00
1.3	3½ x 185 Sq.mm directly on surface/cable tray.	10	Metre		0.00
2	Supplying and laying of following sizes of 1.1 KV grade Aluminium conductor XLPE insulated armoured cable conforming to 7098 (Pt-1) 1988 complete with all amendments in following manner etc. as required.				
2.1	3½ x 150 Sq.mm in existing masonry open duct	10	Metre		0.00
2.2	3½ x 150 Sq.mm in existing DWC/GI/RCC/PVC pipe	10	Metre		0.00
2.2	3½ x 150 Sq.mm directly on surface/cable tray.	10	Metre		0.00
3	Supplying and Laying of following size of 1.1 KV grade multicore flexible PVC insulated, PVC sheathed copper conductor cable confirming to IS 694 directly on wall/ceiling/tray/channel including connection etc as required.				
3.1	4x16 sqmm	160	Metre		0.00
4	Supplying and laying of following size DWC HDPE pipe for signalling, Telecommunication and power cable protection duly ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 16025 Part 24 complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required				
4.1	160 mm dia (OD-160 mm & ID-135 mm nominal)	120	Metre		0.00
5	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ sub main wiring/ cable as required	340	Metre		0.00
6	Supplying and making end termination with Nylon PG gland and copper lugs for following size of PVC insulated and PVC sheathed / XLPE copper conductor cable of 1.1 KV grade as required.				

6.1	4 x 16 Sq.mm	16	set		0.00
7	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required				
7.1	3½ x 150 Sq.mm (50mm)	2	Each		0.00
7.2	3½ x 185 Sq.mm (57mm)	2	Each		0.00
8	Supplying and erecting triple pole mini feeder pillar with 500V, 300A FPMCCB as incomer and 3 outgoing circuits with HRC fuse base and cartridge of 100A with aluminium bus bar erected in 14 SWG CRCA sheet box with supporting angles, self locks, gasket having IP54, IK10 protection and slanting top to be erected on provided foundation as per specification	1	Each		0.00
				Total SH-IV	0.00
	SH-V : Earthing				
1	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required	4	Each		0.00
2	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required	20	Metre		0.00
3	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	40	Metre		0.00
				Total SH-V	0.00
	SH-VI : Air Conditioning				
1	Supply , Installation, Testing and Commissioning of Air Cooled Hi Wall split type Air conditioners complete with Indoor unit(IDU), Out door unit (ODU), surface / concealed copper Refrigerant piping with insulation (closed cell elastomeric nitrile rubber tubular pipe section) upto 3 Mtr (IDU to ODU), copper power cable upto 3.5 Mtr (IDU to ODU) i/c drain pipe R-32/R-410/ R-407 Green Refrigerant, wireless Remote control, suitable for working between 180-260V with low & high voltage cutoff and 50 hz ,1 phase AC supply capable of performing cooling, dehumidification, air circulation of following capacity with Scroll / rotary compressor. The system shall be able to deliver 100% of the rated capacity upto 42 Degree Celsius. Min 5 year Original Equipment Manufacturer (OEM) warranty both compressor and Printed Circuit Board (PCB). Must comply : Electrical cable IS 694 or IS 9968 temperature sensing control IS /International Electro technical Commission (IEC) 60730, hermetic compressor IS 10617, heat exchanger IS 11329, capacitor IS 2993 and motor IS 12615. Complete as per CPWD specification and IS : 1391 Part II 2023. The system shall be able to operate up to 50 OC (out door ambient temperature).				
1.1	1.5 TR with 5 Star BEE Rating	7	Each		0.00
1.2	2.0 TR with 5 Star BEE Rating	12	Each		0.00

2	Supplying and installation of surface / concealed copper Refrigerant piping with insulation (closed cell elastomeric nitrile rubber tubular pipe section) both liquid & gas for split AC Units up to 2.0 Tr capacity between indoor unit and outdoor unit with flare nuts etc as required. The refrigerant pipes both suction & discharge should be properly insulated separately as per the recommendations of the manufacturer of split type AC units. [Per Meter Length of pipe includes both Liquid and Gas Pipe with separate thermal insulation]	50	Metre		0.00
3	Supplying and Installation of PVC Drain pipe with insulation suitable for AC unit upto 2 Ton capacity from indoor unit for drainage of condensate water including proper clamping, sealing the joints as to insure proper leak proof complete etc. as required.	30	Metre		0.00
4	Supplying and fixing of PVC insulated PVC sheathed unarmoured copper conductor cable of following size for split AC Units for installation between indoor unit and outdoor unit for control & power supply to outdoor unit including laying the cable above false ceiling etc. as required.				
4.1	4 x 4 sqmm	30	Metre		0.00
5	Supplying & fixing 16 amp. 3 pin plug Top bakelite type of 230 V. A.C. supply etc complete as required.	19	Each		0.00
6	Providing & fixing Mounting arrangement for outdoor unit with L Type bracket including drilling holes fixing with long nut bolts etc complete as required.	19	Each		0.00
7	Dismantling the existing split type air conditioner of any type and capacity safely without any damages and making the site clear including shifting the material to store etc complete as required	12	Each		0.00
				Total SH-VI	0.00
	Total Electrical Component Amount (SH-I + SH-II + SH-III + SH-IV + SH-V + SH-VI)				0.00
	Total (Civil + Electrical)				0.00