

TENDER NO. SSSCT/PROC/24-25/E&P/026

Date: 17-10-24

TENDER DOCUMENT

**SRI SATHYA SAI CENTRAL TRUST
PRASANTHI NILAYAM, PUTTAPARTHI**



**WORKS TENDER NOTIFICATION
CIVIL FINISHING WORKS OF DORMITORIES CUM ROOMS
BLOCK AT PRASANTHI NILAYAM**

Address for communication:

SRI SATHYA SAI CENTRAL
TRUST

PRASANTHI NILAYAM,
PUTTAPARTHI

SRI SATHYA SAI DISTRICT
ANDHRA PRADESH – 515134.

Website: www.srisathyasai.org

Email: ce@mail.sssct.org

NOTICE INVITING TENDER

REF:

DATE:

To

M/s _____

Dear Sirs,

SUBJECT: NOTICE INVITING TENDER

On behalf of the OWNER Mr./Mrs./_____ You are hereby invited to tender for the Civil Finishing works of Dormitories cum rooms Block at Prasanthi Nilayam.

1. Period of Completion

The work shall be completed in all respects **within 7** months from the date of commencement of work as per the work order in a manner in accordance with the schedule laid down in the documents.

2. Cost of Tender Documents

Non transferable Tender documents which is consisting of Drawings, technical specifications, special conditions of contract, general conditions of Contract, Specifications and Schedule of quantities can be obtained from the office of Sri Sathya Sai Central Trust, Prasanthi Nilayam, Sri Sathya Sai District, Puttaparthi Andrapradesh- 515134.

Cost of tender 10,000/- (Ten thousand rupees). To be paid by all

The Bidders by bank Transfer as per the details below, at the time of submission of tender bid. (Tender cost will be Non transferable)

SSSCT PROJECTS-INDIAN FUNDS UTILIZATION A/C No: 39117267217. IFSCODE: SBIN0010480 STATE BANK OF INDIA, PRASANTHI NILAYAM.

Estimated Value of the Bid Rs.1046 Lakhs

EMD: 10,46,000 /-(Rupees Ten Lakh Forty Six Thousand only) To be paid by all the Bidders by bank Transfer as per the details below, at the time of submission of tender bid.

SSSCT PROJECTS-INDIAN FUNDS UTILIZATION

A/C No: 39117267217. IFSCODE: SBIN0010480

STATE BANK OF INDIA, PRASANTHI NILAYAM

PART S	BID Value	EMD of 1 %
PART A	256 L	2,56,000
PART B	298 L	2,98,000
PART C	492 L	4,92,000
TOTAL	1046 L	10,46,000

3. Scope of Work

The work under this tender is briefly as under: -Civil Finishing Works for proposed Dormitories cum rooms Block. The owner/employer of the work is at Prasanthi Nilayam Sri Sathya Sai District .

4. Documents comprising the tender

- 4.1 The tender to be prepared by the tenderer, shall be submitted in a sealed envelope, along with all issued documents, to the address: Sri Sathya Sai Central Trust, Finance Department, Prasanthi Nilayam Puttaparthi Andrapradesh- 515134.
- 4.2 The quoted tender shall contain the following:-
 - (a) Tender Form along with covering letter.
 - (b) Details of Plant and Equipment, Tools, Tackle proposed to be deployed for the execution of work.
 - (c) Man power organization along with qualifications and experiences of key persons to be employed for the execution of work.
 - (d) Descriptive literature for major equipment's offered.
 - (e) Deviations, if any, from stipulated Tender conditions, as a separate Annexure.
 - (f) Priced Schedule of quantities.
- 4.3 The tenderer shall quote rates in figures as well as in words. The extension for each item should be worked out and the requisite amount stated against the item.
- 4.4 The tender document including special conditions of contract should be signed on each page by the tenderer or his duly authorised representative. Tender document should be accompanied by a certified true copy of an absolute power of Attorney in favour of signatory to the documents.
- 4.5 Any discrepancies, omissions, ambiguities or conflicts in or among tender documents or any doubt as to their meaning should be called to the attention of the Sri Sathya Sai Central Trust, Prasanthi Nilayam Puttaparthi Andrapradesh- 515134., within six (6) days of issue of tender. Where information sought is not clearly indicated or specified, the Owner/PMC will issue a clarifying bulletin to all tenderers which will become part of the contract. The Architect/PMC will not make or be responsible for any oral instructions.
- 4.6 In case of discrepancy between the rates in words and figures the rate quoted by the tenderer in words shall be taken as correct. Where the rates quoted in figures and in words tally but the amount is not worked out correctly, the rate in words quoted will be taken as correct and the amount worked out accordingly.

5. Tender Receipt.

The completed tender shall be received latest by 11.00 AM on 31st October in the office of Sri Sathya Sai Central Trust, Prasanthi Nilayam Puttaparthi Andrapradesh- 515134.

- 5.1 Tenders received after the above time and date, whether sent by post or delivered in person are liable to be rejected.

6. **Validity**

The tender shall be valid for ninety (90) days from the date of opening of tenders. If any tenderer withdraws his tender before the said period or makes any modification in the Price Bid or terms and conditions of the tender then, OWNER, without prejudice to any other right or remedy will be at liberty to forfeit the whole of the earnest money.

7. **Place of issue of tender:**

Place of receipt of tender:

Mobilization advance: The owner will make an interest free advance to the contractor for the cost of mobilization in respects of works in a lump sum amount equivalent/negotiable to 5%(Five percent) of the contract price named in the Letter of Acceptance against submission of an unconditional bank guarantee by a bank acceptable to the owner in an amount equal to the mobilization advance. The bank guarantee shall remain effective for the period of full recovery of advance paid.

Release of retention money: As per tender notification.

Frequency of running bills: Once every month.

Liquidated damages on delay in completion: 1%(One percent) of the value of work per week up to a maximum of 10%(Ten percent) of the value of work up to ten weeks after which the owner has the right to terminate the contractor and get the balance work executed under the risk and cost of the contractor, by any other agency.

8. **Acceptance of Tender:**

All tenders in which any of the prescribed conditions are not fulfilled or are incomplete are liable to be rejected.

- 8.1 Canvassing in connection with tenders are strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
- 8.2 Owner does not bind himself to accept the lowest or any tender and reserves the authority to reject, negotiate any or all of the tenders received without assigning any reason.
- 8.3 It is obligatory on the part of the tenderer to tender for all the component parts and after the work is awarded, he shall have to enter into a contract agreement on a stamp paper with the owner for all the components of works.
- 8.4 The contractor's responsibility for the contract shall commence from the date of issue of letter of award of work.

Special Conditions

The tenderer shall be deemed to have read and gained full knowledge of the **special conditions of contract** enclosed and the rates quoted by him in the schedule shall be deemed to have accounted for all these special conditions.

General Conditions and Technical Specifications.

The tenderer shall be deemed to have read and gained full knowledge of all the general conditions of contract all as per SSSCT/ GEN-COND/2024-2025 and of all the technical specifications all as per SSSCT/TECH-SPEC/2024-2025. Copies of these documents may be obtained by the tenderer from the Clients office for this study, reference and record.

9. **Honoring of Interim payment certificates:**

Payment will be based on actual measurements of work done. The Contractor

shall submit a monthly bill to the Engineer In-Charge/PMC and then by the 1st day each month for the work executed up to the end of the previous month in a tabulated form approved by the Engineer & PMC.

Payment will be done within 7-10 Days after certification by engineer in-charge and PMC.

10. Period of honoring final certificate.

8 (Eight) weeks from the date of receipt of the final bill.

Period for final measurements:

6(Six) weeks from the date of virtual completion.

11. Opening of tender:

The tender shall be opened by the Owner/or their authorized representatives at the office of Finance Department Sri Sathya Sai Central Trust, Prasanthi Nilayam Puttaparthi Andrapradesh- 515134 on **-31-10-2024** at **11.00 AM**.

TENDER FORM AND APPENDIX

To:

Sri Sathya Sai Central Trust, Prasanthi Nilayam, Puttaparthi Andrapradesh- 515134

SUBJECT: TENDER FOR PROPOSED CONSTRUCTIONS OF DORMITORIES CUM ROOMS BLOCK.

Sirs,

Having examined the Tender Document for the above work, including Drawings, Special Conditions of Contract, Schedule of Quantities, general conditions of contract and technical specifications and receipt of which is hereby duly acknowledged, we the undersigned, offer to execute, complete and maintain the whole of the works as described therein and in conformity with the said Tender Documents, including Addenda Nos. _____, for the sum of Rs. _____ (Rupees _____

only) in accordance with the contract.

We undertake, if our tender is accepted, to commence the Works within 15 days and to complete and deliver the Works in accordance with the Contract within the stipulated time calculated from the date of issue of work order and in accordance with the time Schedule provided in the tender document.

If our tender is accepted, we shall provide the Earnest Money Deposit/performance bond of Rs. _____ (Rupees _____ only) for the due performance of the Contract, before signing of the Contract Agreement.

We agree to abide by this Tender for a period of 90 (Ninety) days from the date fixed for Tender closing / submission and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

We understand that you are not bound to accept the lowest price or any tender that you may receive.

Dated this _____ day of _____

(Signature)

NAME:

DESIGNATION:

(SIGNATURE OF WITNESS)

NAME:

ADDRESS:

ARTICLE OF AGREEMENT

This contract agreement no.CA/SSSCT/_____ of 2024-2025 is made on the _____ day of _____ 2024 by and amongst:

Mr. _____ aged about ____ years, son of Shri._____, currently residing at _____. (hereinafter called the “**OWNER**”, which term shall include his heirs, executors, administrators and assigns) of the FIRST PART.

AND

Mr. _____, aged about ____ years, son of _____, residing _____, (here in after called the “**CONTRACTOR**”, which term shall include his heirs, executors, administrators and assigns) of the SECOND PART.

Whereas the CONTRACTOR in response to the tender invitation issued on behalf of the OWNER by Sri Sathya Sai Central Trust, Prasanthi Nilayam Puttaparthi Andrapradesh- 515134.has submitted his tender to do all the work, perform all services and furnish all the materials (Except those that the OWNER has undertaken to furnish to the Contractor) and labour required for the construction of work for the proposed construction of _____(all of which are hereinafter referred to as works)

AND

Whereas the contractor by his tender submitted on _____ has undertaken to execute the works in the order of procedure and within the time stipulated in the tender documents and in an approved manner according to the schedule of quantities, drawings, special conditions of contract, general conditions of contract and technical specifications and all other conditions specified in the tender documents.

Whereas the Owner owns and possesses the plot of land bearing site at Prasanthi Nilayam,Puttaparthi, and is building accommodation (hereinafter referred to as the “accommodation”) as per the plans prepared by the owner and to be duly approved by the concerned authorities, attached hereto and forming part of this agreement;

Whereas the Contractor has undertaken to do the civil works w.r.t Blockwork and finishes works for accommodation on the terms and conditions herein specified and as per the aforesaid plans and the specifications, rates and quantities attached hereto and forming part of this agreement (hereinafter referred to as the “said work”)

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. The Contractor shall, in consideration of the money to be paid in the manner set forth below, execute and complete the said works as per the plans and specifications duly approved by the concerned authorities and attached hereto, to the satisfaction of the Owner, Engineer in-Charge and the PMC
2. This contract is neither a fixed lump sum contract nor a piece work contract, but is a contract to carry out the said works in respect of the entire construction of the residence and all allied works and services, to be paid for as per the quantities / dimensions actually determined by measurement and duly certified by the Engineer in-Charge /PMC and at the rates contained in the schedules hereto.
3. The Owner will pay the Contractor against a bank guarantee a mobilization advance of Rs._____ (Rupees _____ Only), which will be deducted commencing from the second running Bill onwards in equal installments, when 75% of the contract price of the work has been paid and shall be completely recovered before the expiry of the original period of completion.
4. The rates specified in the schedules hereto shall be for the complete work in all

respects and shall include, with limitation, all direct, indirect and contingent costs, expenses including cost of all materials, shoring and strutting hire for tools and machinery, transportation charges and temporary sheds for storage of materials and lodging of labour, removal of debris, safety measures, housekeeping, etc. and all other items of work and services required until the accommodation is ready for occupation and use by the owner.

5. The rates in the schedule are based on the basic rates as indicated therein and will be proportionately adjusted based on any changes in these basic rates, as actually incurred and certified by the Engineer in-Charge /PMC on verification of supporting documents provided by the Contractor. The decision of the Engineer in-Charge/PMC in this respect shall be final and binding upon the parties. No escalation in respect to any other item or material or account shall be claimed by the Contractor or permitted, under any circumstances.
6. The Contractor shall complete all the said works in all respects so as to make the residence fully habitable and ready for occupation and use, within scheduled date of completion. Time is the essence of this contract. The Contractor shall submit to and get approved by, the Engineer in-Charge /PMC within 15 days from the date hereof, a detailed work schedule for the timely completion of the said works and shall hold weekly site meetings with the Engineer in-Charge /PMC to monitor progress. Should the Contractor fail to complete all the said works within the stipulated time, he shall be liable to pay the Owner, by way of liquidated damages or as penalty, 1% of the value of the work as per contract agreement per week or part thereof of delay, such delay to be certified by the PMC which certification shall be final and binding upon the Contractor. The maximum penalty will be restricted to a maximum of 10% of the other cost of the work as per the contract agreement. However, if the delay is caused due to circumstances beyond the reasonable control of the Contractor and is not attributable to any negligence or lack of diligence of the Contractor or anyone acting under him, as duly confirmed and certified by the Engineer in-Charge /PMC (which certification shall be final and binding upon the parties) the Contractor shall be exempted from payment of such damages for such delay period. The Owner shall be at liberty to deduct the liquidated damages from any amount due to the contractor including retention money or recover it in any other manner as he may deem fit.
7. Notwithstanding anything else where provided, in the event of completion of the said works being delayed for more than ten weeks from the date hereof, and this delay is caused entirely due to the default on the part of the contractor, then the Owner shall be entitled, in his absolute discretion and irrespective of the reason for such delay, to terminate this contract and have the said works completed by any others of his choice, such completion of the said works through any others shall be at the risk and cost of the Contractor. If the Owner terminates the contractor employment, he shall not liable to pay to the contractor any further amount (including damages) in respect of the contract until the expiration of the defects liability period and thereafter until the cost of execution, completion and remedying of any defects, damages for delay in completion (if any) and all other expenses incurred by the owner have been ascertained and the amount thereof as duly certified by the Engineer in-Charge /PMC . The contractor shall then be entitled to receive only such sum (if any) after deducting said amount.
8. All works contract tax, service tax, VAT ,GST etc as applicable & to the extent applicable, and all other taxes whatsoever, including without limitation all sales and services and income taxes, Royalty etc. shall be borne by the Contractor and shall be deemed included in the quoted rate.
9. The contractor shall comply with all statutory regulations and proper orders and directions given from time to time by any state, central, local or public authorities.

10. The Contractor shall be solely responsible for the compliance, expenses, liability, damages, etc., on account of the following matters, under the relevant laws, enactments, regulations and other requirements and the contractor shall indemnify the owner of any such or related matters under any circumstances:
 - a) All Liabilities and obligations under the Workmen's Compensation Act, Employment State Insurance Act, Provident Fund Act, Minimum Wages Act, and payment of wages Act.
 - b) All and any other laws relating to the workers and staff and others employed in construction of related matters.
 - c) All claims in respect of injuries, damages etc., or persons and / or property, causes due to, or arising out of, the carrying out of the said works or any acts or omissions of the Contractor or anyone claiming under him.

Indemnification

11. The Contractor hereby irrevocably indemnifies and shall keep indemnified, the Owner from and against any and all losses, claims, damages, fines, prosecutions, liabilities, proceedings and other consequences that may arise or accrue, from the Contractor's failure to adhere to any statutory or contractual or other obligations whatsoever.
12. The Contractor shall undertake the said works in co-ordination with other agencies involved in working on the residence or the premises thereof and shall render all co-operation and assistance to them, without however claiming any extensions of time or escalation of charges on that account. The Contractor shall set right damages caused to the building or the premises due to the work of electrical, sanitary and water supply contractors or any others, for which he shall be compensated, only where the party concerned was employed directly by the Owner and not by or through the Contractor.

Insurance

13. Contractor shall ensure that with respect to all persons working under contractor or its support maintain in effect at all time during the performance of the work coverage or insurance in accordance with the applicable loss relating to workers compensation and employers liability insurance regardless of whether such coverage or insurance is mandatory or merely elective under the law.
14. Contractor shall secure and maintain such property and liability insurance as will protect contractor, its support and the additional insureds from and against any and all claims and liabilities arising out of personal injury (including death) or property damage that may result from performance of the work, whether such performance is by contractor or any of its support.
15. Without limiting the generality of the foregoing, prior to commencement of the work, Contractor shall secure insurance with provisions, coverages and limits substantially and in the certificate of insurance(with endorsement)attached hereto. Contractor or its support shall maintain such insurance and coverage in full force and effect at all times until all of contractor's obligations under this contract have been fully performed, all of the work has been accepted by owner and all operations of contractor and its support (including, but not limited to, removal of equipment and other property) on or about the site of the work have been concluded.

Nothing contained in the above paragraphs shall relieve contractor of any of its obligations to correct, repair, replace or otherwise be responsible for defective or non complying work.

Payment

16. The Contractor shall submit a monthly running as stated in the notice of Tender. Bill shall be given to the to the Engineer in -charge, PMC by the 1st day each month for

the work executed up to the end of the previous month in a tabulated form approved by the Engineer In-Charge/PMC

17. Payments otherwise payable under this Contract may be withheld, in whole or in part, by Owner on account of a) the failure of Contractor to correct defective or non complying work; b) The failure of contractor to cure any failure to comply with any of the provisions of this contract ; c) The failure of contractor to pay, satisfy or discharge any claim (or potential claim which reasonable evidence indicates may be filed) of Owner, any of contractor's support or any other person against contractor arising out of or in connection with this contract or the work; or d) a reasonable doubt that this contract can be completed within the time specified or for the balance then unpaid. If the foregoing causes are removed to the satisfaction of Owner, the withheld payments shall promptly be made. If such causes are not promptly removed after written notice, Owner may rectify the same at Contractor's expense and deduct all costs and expenses incurred thereby from such withheld payments. If such withheld payments are insufficient to satisfy the same or if any claim against Contractor shall be discharged by owner after final payment is made, Contractor shall promptly reimburse and pay to Owner all costs and expenses incurred thereby (including, but not limited to, reasonable attorneys' fees), regardless of when such claim arose or whether such claim imposed a lien upon the work or the real property upon which the work is situated.
18. Except as specifically provided otherwise in this contract, no separate or additional compensation or payment will be made for or on account of any of the requirements of these General Conditions, The Special conditions, the Technical specifications, the drawings, or any other provision of this contract, and the cost thereof will be considered as included in the prices set forth in the Schedule of Bid Prices.

Authorized Variations:

19. The Contractor may, when authorized in writing, or if directed verbally and after confirmed in writing by the Engineer in-Charge/PMC with the previous consent of the Owner, omit or vary any part of the work shown and described in the schedules as so directed. Subject as aforesaid, the Contractor shall make no additions, omissions, or variations whatsoever, without the written authority or direction of the Engineer in-Charge /PMC and Owner.
20. The Engineer in-Charge may, with the consent of the Owner omit from or add or vary any item of work shown and described in the schedules.
21. All authorized variations of which a rate or price may not have been previously agreed upon, shall be measured and valued by the Engineer in-Charge /PMC (whose decision shall be final and binding upon the parties) and necessary adjustments shall be made as required, in the consideration payable to the contractor. The rate analysis will be approved before commencement of work at site.

Materials and Workmanship:

22. All materials and workmanship shall be the best of the respective kind and as described in the schedules. The decision of the Engineer in-Charge /PMC regarding the rates, quantity and sufficiency and quality of materials and workmanship will be final and binding on the Contractor. The Engineer in-Charge/PMC shall have power to order removal from the works and premises, of any defective materials or items and substitution thereof by proper materials or items, or to order demolition and redoing of any part of the work in accordance with this agreement and the schedules. Any decision of the Engineer in-Charge /PMC in respect of any such matters shall be final and shall not be questioned by the Contractor.

23. Notwithstanding the foregoing, the Engineer in-Charge /PMC may, in their absolute discretion, allow in writing with prior written approval of the Owner, any such defective materials and / or work to remain, in which event, the PMC shall fix such lower rates or prices as may be deemed fit and these shall be binding on the Contractor.

Water and Power Supply:

24. **Water & Power will be supplied by Client free of Cost** at the site at one point. Any further distribution thereof from the given point shall be made by the Contractor and shall be deemed to be covered by the rates specified.

Defects:

25. Any defects, leakages, shrinkage or any other faults whatsoever, which may appear within twenty four calendar months after the date of completion of all the said works, as duly certified by the Engineer in-Charge /PMC, shall upon the direction in writing of the Engineer in-Charge /PMC or Owner and within such reasonable times as shall be specified therein, be rectified and made good by the Contractor at his own risk and cost, in case of default on the part of the Contractor to so rectify and make good any such defects within the time specified by the Engineer in-Charge /PMC / Owner, the owner may employ and pay other persons to set right such defects and faults and the entire cost and expenses incurred thereon shall be borne and made good by contractor and shall be recoverable from, the Contractor, including from any retention money or other amounts due to the Contractor, or otherwise.

Termination of Contract:

26. If in the opinion of the Engineer in-Charge /PMC the work being carried out by the Contractor is unsatisfactory, or the progress is slow or it is likely that the Contractor would not be able to complete the said works within the schedule, the Owner shall have the right to terminate this agreement, at the Contractor's risk and notice, by giving 15 (Fifteen) days' notice and to award the contract to such others of their choice as they may deem fit and any cash loss or expenses incurred on this account, as certified by the Engineer in charge /PMC will be to the account of the Contractor and may be deducted from any money due to the Contractor or may be otherwise recovered from the Contractor. The Owner shall not be liable to the Contractor for the loss of present or prospective profits or expenditure, investments or commitments made by the Contractor in pursuance of this contract and the Contractor will not be entitled to compensation thereof, if the agreement is terminated because of default as stated above.
27. Upon termination, Owner shall be entitled, in his absolute discretion and irrespective of the reason for such delay, to terminate this contract and have the said works completed by any others of his choice, such completion of the said works through any others shall be at the risk and cost of the Contractor. If the Owner terminates the contractor employment, he shall not liable to pay to the contractor any further amount (including damages) in respect of the contract until the expiration of the defects liability period and thereafter until the cost of execution, completion and remedying of any defects, damages for delay in completion (if any) and all other expenses incurred by the owner have been ascertained and the amount thereof as duly certified by the Engineer in-Charge /PMC. The contractor shall then be entitled to receive only such sum (if any) after deducting said amount.

Security and Safety

28. The Contractor shall be responsible for the safety preservation and custody of all Materials at site and for the safety and health of all workers and staff. He shall compensate and reimburse the Owner for any loss, damages that may arise in respect of any such materials or items and / or for any claims of workers and staff etc. The Contractor shall also be solely responsible to deal with any and claim of the proceedings initiated by the personnel employed by him. The Contractor hereby indemnifies and shall keep indemnified the Owner, from and against any and all such claims and proceedings.
29. The Owner who will retain possession of the site has only permitted the Contractor to enter upon the property/Premises for the purpose of constructing the residence Building. The Owner shall be entitled at any time to freely enter upon and exercise all acts of possession and ownership over the site/premises any part of the works, as considered necessary.
30. During the execution of the said works, the Contractor shall keep the site absolutely clean, free from all unnecessary obstruction and shall store or dispose of any Contractor's equipment and surplus material and clear away and remove from the site any temporary works no longer required.
31. The Contractor shall maintain a site office where one copy of all drawings relevant to the project shall be kept in good condition. The Contractor shall also maintain the relevant measurement book and a site instruction book. A bar chart showing the progress of work must be displayed at the site office at all times.

Settlement of Disputes

32. The Engineer in-Charge/PMC's decision, opinion, direction, certificate with respect to all or any of the "excepted matters" shall be final and conclusive and binding on the parties hereto and shall be without Appeal. "Excepted matters" are those as defined under clause 45.0 of the General Conditions of Contract. Should any dispute or difference arise out of or concerning the subject matter, the same shall be referred to an arbitrator appointed by the parties and the decision of the arbitrator will be final and binding on the parties. The provisions of the General Conditions of Contract and the provisions of the Arbitration and Conciliation Act 1996 shall apply. All such arbitration shall be held in Bangalore and conducted in the English language only.

Site Essentials

Site Cleanliness:

33. (a) Building Materials must not be dumped on the Road.
 (b) The building materials must be properly stored in an orderly manner.
 (c) The construction premises must be kept clean and safe at all times.
 (d) All sites must provide for hardhats for workers as well as all authorized visitors.
 (e) The ladder for access into various levels must be securely fastened to avoid any possibility of accidents.

Performance Management

34. The OWNER in conjunction with the Engineer in-Charge /PMCs will carry out an interim performance assessment before the release of each running bill. This

performance will be judged on the basis of adherence to time schedule, quality and service. If there is any shortcoming on any of the aspects then corresponding action shall be enforceable immediately.

Team

35. (a) The contractor must employ a qualified senior site engineer and he must be dedicated full time for the project. He must have a minimum experience of 10 years on site and must have handled at least four projects of at least 800 square meters or above.
(b) The contractor may employ a project management consultant, if required, who will ensure time adherence and quality at the site (on behalf of the contractor) and who will coordinate between the contractor, client and the architect to ensure smooth progress of the project.

Quality Assurance

- 36 (a) Any material or works that is of inferior or substandard quality will have to be completely replaced at the contractor's cost.
(b) In the case of any item of work which is found to be of below desired standard and accepted not to be redone, a penalty amount decided by the Engineer In charge/PMC will be deducted from the contractor in the subsequent running bill.

List of documents forming a part of this agreement

37. (a) Notice inviting tender
(b) Contractor's tender documents
(c) Owners acceptance letter
(d) Special conditions of contract
(e) Schedule of work
(f) List of drawings
(g) General conditions of contract (SSSCT/GEN-COND/2024-2025)
(h) Technical specifications (SSSCT/TECH-SPEC/2024-2025)

IN WITNESS WHEREOF the parties have executed this agreement, in duplicate, on the day and year first above written, at Prasanthi Nilayam, Puttaparthi .

Signed, sealed
OWNER

Signed, sealed
CONTRACTOR

WITNESSES

WITNESSES

1.

1.

2.

2.

Name of Work :

Name of Tenderer :

PROJECT AND SITE ORGANISATION DESCRIPTION

Tenderer must attach a description of the organisation proposed to be committed for execution of the work. Organisation chart must include full particulars and designations of key persons, number and categories of home office and field personnel along with qualifications and experience

The description shall show lines of authority / responsibility / Communication together with a written description of the overall working of the organisation with particular emphasis on the Home office / site interface and monitoring and control of progress.

This form shall be part of contract document.

Signature of Tenderer.

SECTION - I

SPECIAL CONDITIONS OF CONTRACT

- 1. Time is of the essence of this contract** and the work covered in this contract must be completed in all respects, within the period stipulated in the tender documents. The period shall be reckoned, from the date of handing over the site, or on the date indicated in the 'Work order' to commence work, as issued by the OWNER.
The tender should be based on this time of completion. However, the above-mentioned stress on time-based completion shall not entitle the successful tenderer to claim price escalation for the portion of work, which remains un-executed after the stipulated completion period.
 - 2.** For submitting the tender, the Tenderer shall and be deemed to have read and gained full knowledge of all for actual inspection of the site in respect of the location of the work and all such other requirements to ensure that the rates he quotes are in accordance with the conditions of the work to the required specification and the satisfaction of the Engineer in-Charge /PMC/OWNER. The submission of the tender by a Tenderer shall thus imply that he has read and understood the above. As such the OWNER will not, after acceptance of the tender, pay any extra rates or compensation for any reason whatsoever under the above premises including in the case where Tenderer is later found to have misjudged site conditions or tender conditions or tender items.
 - 3.** The item rates in the tender shall be inclusive of expenses for proper and entire completion of the work and shall among other things include all duties, all taxes, cess /royalty, patent rights, transportation, lead and lifts, equipment's / tools etc., The rates shall be deemed to have included all expenses for observing the various statutory laws, their rules and obligations of the Contractor and the OWNER in respect of labour, safety, etc, and all such other equipment's of the Government.
 - 4.** All quoted rates shall remain firm and no escalation will be allowed for any reason whatsoever, Should there be any discrepancy in, or any doubt or obscurity as to the meaning of the tender documents, or as to any responsibility / functions of the Contractor, as to the instruction to be observed by him, he must set forth in writing such discrepancy, doubt or obscurity and submit the same to the OWNER for clarifications not later than 7 days before the date fixed for receipt of tenders.
 - 5.** All pages of the tender documents and documents accompanying the tender shall be initialed at the lower right corner by the Tenderer or his authorized representative (with power of attorney).
 - 6.** The Tenderer or his authorized representative with this dated signature shall attest
-

all corrections or interpolations in the tender in ink. The tender shall not contain any ensures or overwriting.

7. It shall be obligatory for Tenderers to keep their offer/tender valid for a period of 90 days (Ninety) from the date of opening the tender.
8. Rates shall be quoted both in figures and words and shall be written in ink. The rates quoted for the item shall be independent of the other item and shall be workable.
9. Tenderer is deemed to be familiar with standards specifications of PWD, I.S.I. National Building Code and General Engineering practice.
10. The tenderer shall be deemed to have read and gained full knowledge of all the general conditions of contract all as per above and technical specifications of contract as per above. Copies of these documents may be obtained from the office for his study, reference and record.

11. Liability for Rejection of Tender:

- 11.1 Any tender which does not fulfill any of the conditions or incomplete in any way or is not accompanied by full earnest money as prescribed is liable for rejection.
- 11.2 A tender not accompanied by Income Tax and Sales Tax Clearance Certificates renders itself liable for rejection.
- 11.3 If the tenderer proposes any alteration to the Tender or reserves the right to decline to carry out any work included in Tender, his tender is liable for rejection.
- 11.4 It shall not be obligatory for the OWNER to accept the lowest or any tender. The OWNER reserves the right to award the whole or part of the work to any Tenderer or cancel the tender altogether, without assigning any reason.

12 Earnest Money and Initial Security Deposit:

****** EMD of 1% value of work shall be enclosed along with the Bid. Without EMD, the Bid will not be accepted. This will be refunded to the unsuccessful bidders after awarding the work.**

The successful bidder shall deposit a further amount of 1.5% towards FSD (Further Security Deposit) before signing of the Agreement.

The total EMD/FSD of 2.5% of successful contractor will be released after Defect liability period of 24 months after completion of the work.

- 12.1 Earnest money to be deposited with the tender shall be as stipulated in the notice of tender. The earnest money shall be in the form of the Payable at SSSCT, Puttaparthi and shall be valid initially for at least 60 days from the date of expiry of the validity period of the tender.
- 12.2 Deposit of earnest money in any other form is not acceptable unless specifically approved by the OWNER in advance.
- 12.3 In case of the successful Tenderer, the amount or earnest money will be transferred and retained as initial security deposit towards part of the retention money recoverable from his running account payments.
- 12.4 The Earnest Money of the unsuccessful Tenderer will be refunded without any interest after intimation of rejection of his tender is sent or after the expiry of the tender validity period (refer clause no 6) whichever is earlier.
- 12.5 The OWNER is not liable for any loss of interest on the Earnest Money deposited by the Tenderer.

13 Award of Work:

The OWNER shall be the sole authority to decide the acceptance of the tender. The tender along with letter of its acceptance thereof, shall constitute a binding contract between the successful Tenderer and the OWNER, and shall form the foundation of the rights and obligations of both the parties. The Contractor, within 7 days of acceptance of his tender, shall enter into an agreement in the prescribed form on non-judicial stamp paper of a value as prescribed by the Local Authority for the due and proper execution of the contract. Failure to execute the contract agreement may cause cancellation of the Work Order at the discretion of the OWNER and forfeiture of the E.M.D. or I.S.D (Internal security deposit).

14 Retention Money

- 14.1 The Earnest Money Deposit converted to initial Security Deposit will be retained as part of the Retention Money till the completion of the Defects Liability period of 24 months from the date of certification of final bill.
- 14.2 In addition to the E.M.D., Retention Money will be withheld (and kept in deposit with the OWNER) at the rate of 5% of value of work done in each R.A. Bill (Measured).
- 14.3 On satisfactory completion of the work, (to be certified by the OWNER / Engineer in-

Charge /PMC and its handing over to the OWNER,. The retention money will be refunded / returned to the contractor, after the defects liability period only after his satisfactory compliance with liabilities notified to him during the defects liability period.

- 14.4 The Defects liability period shall be 24 months from the date of final bill certification of engineer in charge.
- 14.5 Retention money shall bear no interest for the entire duration of the contract and defects liability period.
- 14.6 5% of the bill value will be deducted from each R.A. Bill. And same will be released to the contractor along with Final bill after satisfactory completion work.
- 14.7 The OWNER shall be free to set off Retention money, against expenditure incurred by him in rectification of the defects, in case the Contractor fails to attend to the defects in time satisfactorily.

15. Mobilization advance

Depending on the value and time fixed for completion of the work, if provision has been made for paying mobilization advance while issuing the tender documents, the owner shall pay this advance to the finalized contractor. This amount shall be recovered from the contractor commencing from the second running Bill onwards in equal installments, when 75% of the contract price of the work has been paid and shall be completely recovered before the expiry of the original period of completion.

16. Measurements and Payments:

- 16.1 Measurements shall be as per the latest edition of IS1200.
- 16.2 Payment will be based on actual measurements of work done. The Contractor shall submit a monthly bill to the Engineer In-Charge, PMC and the Owner by the 1st day each month for the work executed up to the end of the previous month in a tabulated form approved by the Engineer In-Charge/PMC.
- 16.3 Wherever mode of measurement is specified, the measurement will be taken at site, as per the latest IS code of practice of measurement.
- 16.4 The contractor or his authorized representative shall accompany the Engineer In-Charge ,PMC / OWNER or their representative in taking /checking measurements. All necessary measuring Instruments shall be supplied by the contractor. The contractor shall then present his bill based upon the agreed and recorded as per the directions of the Engineer In-Charge/PMC. If the contractor fails to accompany the Engineer In-Charge /PMC/ for measurements, then he shall be bound by the measurements taken by the Engineer In-Charge/PMC

- 16.5 The Contractor shall submit a monthly running bill shall be a minimum value as stated in the notice of Tender. Bill shall be given to the to the Engineer in charge, PMC and the Owner by the 1st day each month for the work executed up to the end of the previous month in a tabulated form approved by the Engineer In-Charge/PMC. Payment towards all interim bills will be made by the OWNER within the time limit specified in these documents.
- 16.6 Period of final measurement shall be 60 days from the time of completion of the project.
- 16.7 No advance shall be paid by the OWNER to the contractor against material at site.
- 16.8 All Bills should be submitted along with materials reconciliation for the materials supplied by Owner.
17. **Deviation limit**

This is an "Item rate works contract" and the quantities stated in the BOQ may vary. The contractor shall note that the Owner reserves the right to;

- a) Increase any of the quantities
- b) Decrease any of the quantities.
- c) Totally omit any item of work.
- d) May carryout portion of the work through other agencies without any prejudice to this Contract.

It is stressed that no claims for loss, compensation or escalation on the grounds of increase/ decrease / deletion in the quantities indicated in the tender schedule or quantities, will be entertained under any circumstances, nor will the Contractor be entitled to prefer any claims whatsoever on these grounds. However, the Owner's right to increase or decrease the quantities shall not vary beyond PLUS OR MINUS 50 % (fifty percent) of a Trade section". The variations in the total cost of the work shall not be beyond PLUS OR MINUS 20 % (Twenty percent) of the value of the work as per Contract Agreement. The variations beyond these limits shall be executed by the contractor on mutually agreed rates based on rate analysis prepared on the basis of the then prevailing market rates for materials and labour and approved by the Engineer In-Charge/PMCs.

- e) Work to be executed as per drawings and specifications without any deviations.

18.0 Extra Items :

Rates for authorized extra items or additional, altered or substituted work as may be ordered shall be determined by the Engineer In-Charge/PMC/OWNER as follows:

- a) At the derived rate of similar quoted item
- b) At the actual expenditure incurred in execution of the item inclusive of any taxes, such as service tax, GST/WCT etc as applicable, plus 15% for over head and profits.

The actual expenditure shall be supported by Rate Analysis.

19. GST, EXCISE DUTY, ETC:

- 19.1 The Contractor shall purchase duly invoiced materials to be incorporated in the works including as far as possible such materials as sand, crushed aggregate, sized granite stone, bricks etc., from such approved dealers as are registered under Govt of India Sales Tax act.
- 19.2 The Contractor shall include in his rates, GST, value added tax, excise duty, works contract tax, turnover tax etc, as applicable and no extra will be paid to the Contractor on this account.

20. Electricity:

Power shall be made available for only construction use at one point by free of cost. Contractor should make his own arrangements to distribute electrical supply for construction, no claim or compensation, on any account shall be entertained, including the power made available to the approved sub contractors, during the construction period till hand over. OWNER is not responsible for Power failure and inconsistent power supply, Contractor has to make his own arrangements for uninterrupted power supply at his own expense, including the works of the approved sub contractors hired by the main contractor and no additional claim or compensation for any account shall be entertained.

21. Water:

Power shall be made available for only construction use at one point by free of cost. Also the Contractor shall at his own cost install water pumps, and make all necessary arrangements (E.g.: construction of sumps etc.) for pumping and conveying the water for use in his works and the contractor shall pay for the water bill, Water requirement in excess of this availability, for any reason shall be arranged by the Contractor at his own expense for his own works and no additional claim or compensation as any account shall be entertained. →

22. Materials Supply:

- 22.1 OWNER reserves, if he wishes his rights to supply the materials at site. The Contractor shall arrange for unloading the same, proper storing at site under all weather conditions and safe custody of the material until required for use, at his cost. Contractor shall maintain proper records of all weightment and submit to the OWNER.
- 22.2 Rates quoted by the Contractor shall be firm for the entire duration of the contract

and extended period shall include the cost of cement content and Reinforcement steel and all supplied materials in the relevant items and no increase in rates shall be allowed for any reason.

The cement content to be calculated for the various items of work where cement is used shall be as follows:

- a) For R.C.C. works the minimum contents as per unit (one cubic meter) mentioned in each item or as determined by the mix design shall be taken for calculation of cement content per unit (One cubic meter). In case the Contractor fails to obtain the required strength with the minimum cement content specified in the tender, in spite of his best efforts to get the same, excess cement to the extent of 5% shall be used, with the prior approval of PMC / OWNER. However this shall not be included for costing of the item.
- b) For all other items where cement is a constituent the norms mentioned in the clause on "Statement of Theoretical cement requirement" shall be adopted for calculating cement content.

Statement of Theoretical cement requirement:

Sl.No.	Item	Qty/Unit	Unit	
			In 50 Kg Bags.	
	Cement in CONCRETE			
1.	P.C.C. 1: 4: 8 for Volumetric		Cum	3.40
2.	P.C.C. 1:3:6 Batching only		Cum	4.40
3.	P.C.C. 1:2:4		Cum	6.40
4.	P.C.C. 1:1 1/2:3		Cum	8.16
5.	P.C.C. 1:1: 2		Cum	11.36
	MASONRY			
1.	S.S.M. in C.M. 1: 6		Cum	1.50
2.	Solid/Hollow Block 20cm thick in CM1:6		Sqm	0.12
3.	Solid/Hollow Block 15cm thick in CM1:6		Sqm	0.12
4.	Solid/Hollow block, 10 cm, thick in CM 1:4		Sqm	0.09
5.	Brickwork 23 cm. thick in CM 1:6		Cum	1.24
6.	Brickwork, 115mm thick in CM 1:4		Sqm	0.21
	PAVIOR			
1.	Granolithic flooring 40mm thick in PCC 1:1 1/2:3		Sqm	0.32
2.	Flagging concrete 40mm thick in 1:11/2:3		Sqm	0.34
3.	Flagging concrete, 100mm thick in 1:4:8		Sqm	0.26
4.	Grey based mosaic tile, laid on a bed of 20mm Thick C.M. 1:4, including Pointing with cement slurry		Sqm	0.28
5.	Skirting for above set in 12mm thick CM 1:2 Including pointing with cement slurry		Sqm	0.26
6.	Tiles laid on a base coat of 20mm thick CM 1:4 set With cement slurry including pointing the joints		Sqm	0.28
7.	Dadoing for ceramic tiles laid on a base coat of 12mm thick, CM 1:4 & Set in cement slurry including the joints		Sqm	0.14
8.	Tandur stone slab laid on a base coat of 20mm Thick, CM 1:4 and set in cement slurry including Pointing the joints.		Sqm	0.28
9.	Skirting for above, laid on a base coat of 12mm			

	thick CM 1:3, and Set in cement slurry including pointing.	Sqm	0.26
10.	Granite slab cladding laid on a base coat of 12mm CM 1:3 and set in cement slurry, including pointing The joints.	Sqm	0.26
11.	Dholpur slab cladding laid on a base coat of 12mm thick CM 1:3, and set in cement slurry including Pointing the joints.	Sqm	0.26
12.	Pressed Clay tiles, laid on a base coat of 12mm thick CM 1:3, and set in the cement slurry, including pointing the joints.	Sqm	0.26
13.	Decorative clay tiles, laid on base coat of 12mm thick CM 1:3 & set in cement slurry, including Pointing the joints.	Sqm	0.26

PLASTERING

1.	12mm thick CM 1:3	Sqm	0.15
2.	12mm thick CM 1:4	Sqm	0.11
3.	12mm thick CM 1:5	Sqm	0.09
4.	12mm thick CM 1:6	Sqm	0.07
5.	15mm thick CM 1:3	Sqm	0.17
6.	15mm thick CM 1:4	Sqm	0.13
7.	15mm Thick CM 1:5	Sqm	0.11
8.	15mm thick CM 1:6	Sqm	0.09
9.	20mm thick CM 1:3	Sqm	0.23
10.	20mm thick CM 1:4	Sqm	0.17
11.	20mm thick CM 1:5	Sqm	0.14
12.	20mm thick CM 1:6	Sqm	0.11
13.	50mm thick CM 1.6	Sqm	0.40
14.	Stucco, 25mm thick in 2 Layers base layer in CM 1:6 top-layer in CM 1:1, using 4mm screened Sand.	Sqm	0.38
15.	Waterproof plaster, 20mm thick CM 1:3, with 2% by weight addition of water proof compound	Sqm	0.03

POINTING:

1.	Flushing or Ruled on Brickwork in CM 1:3	Sqm	0.03
2.	Raised and cut in CM 1:3	Sqm	0.05
3.	Flushing or ruled on stonework in CM 1:3	Sqm	0.02
4.	Raised and cut on stonework in CM 1:3	Sqm	0.04

Maximum upto 2.5% (Two and half percent) wastage shall be allowed, wastage or scrap steel to be classified according to the length of bars. Above 1m will be returnable, less than 1m will be wastage/ contractor's account. Any difference in weight of steel due to rolling margin will be charged to the OWNER's Account.

Wastage allowed/recovery for excess consumption as follows:

<u>Description of materials.</u>	<u>Wastage allowed</u>	<u>% of recovery</u>
Cement	upto 2.0%	1.5 times of basic cost
Steel	2.5%	(1.5% accountable - 1.5 times of Market price & 1% un accountable)

For all other free supply items 2.0% & 1.5 times of Market price

The contractor shall be entirely responsible for the purchase of collection and transportation of materials to the site of works at his own cost including loading, unloading and storing.

23. Approved Samples:

Approved samples, Jointly signed by the Engineer In-Charge/PMC, OWNER and the contractor shall be kept in the Engineer In-Charge /PMC's office for reference & record. All materials incorporated in the works shall confirm to such approved samples. Larger scale drawings shall take precedence over smaller drawings.

24. Contract Documents:

24.1 The several documents forming the contract are to be taken as mutually explanatory/complementary to one another.

24.2 In case of any ambiguity / discrepancy between the schedule of quantities, the specifications and or the drawings, the following order of preference shall be followed for their meaningful application/relevance.

- 1. Unit rate specifications.**
- 2. Drawings.**
- 3. Special Conditions of Contract.**
- 4. Technical Specifications.**
- 5. General Conditions of Contract.**
- 6. General Engineering Practice.**

If there are varying or conflicting provisions made within any one document forming part of the contract, the PMC shall be the deciding authority with regard to the true intent of the document provisions.

24.3 Any error/variation in description, quantity or rate in the Bill of Quantities, or any omission there from shall not vitiate the contract, or release the Contractor from execution of the whole or any part of the works comprised therein according to the drawings and specifications, or from any of his obligations under the Contract.

25. Drawings:

25.1 All the detailed drawings required for the execution of the work may not be available immediately after awarding the work. Some of the drawings which are necessary to progress the work will be supplied in the first instance and the remaining drawings will be supplied as required progressively and in accordance with the program of work, well in time for procurement of materials and execution. The contractor shall be issued Soft /Hard copies of all "good for construction Drawings"

25.2 The Contractor shall give adequate notice to the Engineer In-Charge /PMC/ for any further drawings or specifications that may be required for the execution of

the work or otherwise under the contract, well in advance. The contractor along with detailed construction program shall also submit a schedule of drawings as required by him.

26 Other Conditions:

- 26.1 The OWNER shall have a lien over all or any money that may become due and payable to the Contractor, under these conditions and also over the security deposit retention money, against defects liability held by the OWNER, under the contract and becoming repayable to the Contractor.
- 26.2 No claim for compensation or escalation from the Contractor shall be entertained in the case of any delay in the supply of materials listed, but the time of completion may be suitably extended if so requested in writing by the Contractor. The decision of the Engineer In-Charge/PMCs in regard to such extension shall be final. In the event of undue delay in the supply of materials by the OWNER, the Contractor, on written instructions of the OWNER / PMC, shall procure the materials, the quality as well as the quantity to be procured being certified by the OWNER / Engineer In-Charge /PMC. No adjustment in prices will be done in respect of such purchases.
- 26.3 In regard to material supplied by the OWNER, the Contractor shall be responsible for maintaining day-to-day accounts of receipts and consumption and returning surplus materials to stores. The materials issued by the OWNER shall be used only for bonafide permanent works and not for preliminary or temporary works. The Contractor shall take all reasonable care of the materials and shall be liable for any damage or loss caused to the same. He shall permit the Owner's representative reasonable access to the store in order to confirm the quantity of the material used in the project.
- 26.4 A schedule of probable quantities in respect of each work and specifications accompany these conditions. The schedule of probable quantities is liable to alterations, omissions, deductions or additions at the discretion of the Engineer In-Charge /PMCs. Each item of work is entered in a separate column; all items should total in order to show the aggregate value of the entire tender.
- 26.5 The tenderer shall submit along with his tender, a list mentioning the names of manufacturers of special items, such as water proofing, steel windows, which he proposes to use in the work in the event of such details not having been furnished / specified here with.
- 26.6 The law of the place of the work shall govern the construction under the contract.
- 26.7 All BOQ, Specifications and copies thereof furnished by the OWNER are the property

of the **OWNER /PMC**. Tenderer to return all these to the Owner after the completion of the contract, if so required by the OWNER/PMC

26.8 The contractor shall, as and when required in writing by the Engineer In-Charge /PMC, remove from the works any temporary building, plant tools, equipment's, goods & material belonging to or hired by him. If within a reasonable time they said removal is not affected by the contractor, the OWNER may, without being responsible for any loss or damage, remove & sell any such property of the contractor, holding the proceeds, less all costs measured to the credit of the contractor.

26.9 The contractor at his cost will dispose the unwanted debris al site surrounding / premises.

26.10 The OWNER reserves the right to supply cement & steel or any other materials at the above-mentioned basic rates or free supply. Basic cost or free supply of any other materials used shall be given while quoting tender.

26.11 The Engineer In-Charge /PMC/OWNER are authorized to demand for the break ups/analysis for the quoted items and contractor must submit the same on demand during the process of tender/after the award of the work as the case may be.

27. Interpreting specifications:

Matters not covered by the specifications given in the contract, as a whole shall be covered by the relevant Indian Standard Codes. If such codes on a particular subject have not been framed, the decision of the Engineer In-Charge /PMC shall be final.

28. Defects Liability Period

Any defect developed within "**Defect Liability Period**" of twenty four months will have to be rectified by the contractor at their own cost and in case the defects are not rectified by the contractor, PMC/OWNER or their representative shall get the work done at the risk and cost of the contractor.

28.01. Certificate of virtual completion

The work shall not be considered as completed until the PMC/ OWNER have issued in writing the 'CERTIFICATE OF VIRTUAL COMPLETION' stating that the work has been virtually completed and the 'DEFECTS LIABILITY PERIOD' shall commence from such certified date of virtual completion.

29. Delays in commencement

The contractor shall not be entitled to any compensation for any loss suffered by him on account of delays in commencing or executing the work, whatever the cause for such delays may be including delays in procuring Government controlled or their materials.

30. Occupation in part

If the OWNER wants to occupy areas in part, the contractor shall complete the work of these areas in conjunction with OWNER and hand-over the same to the OWNER without affecting any of the clauses of Contract Agreement.

31. Liquidated damages:

Should the contractor fail to complete all the said works within the stipulated time, he shall be liable to pay the owner by way of liquidated damages as per clause 6 and 7 of the Article of agreement.

32. Performance by Contractor

Attention of the contractor is brought to clause no 51 of the General Conditions of Contract and the contractor shall strictly comply with these instructions.

33. Warranty

33.1 contractor warrants that : (a) The work shall be performed in a workmanlike and skillful manner. (b) The work shall in all respect be of first class quality, free from all faults and defects in workmanship, material, design (other than a defect in any design provided by owner) and title, and (c) the work shall be in compliance with the requirements of this contract; and (d) all material, equipment and other items incorporated (or to be incorporated) in the work or consumed (or to be consumed) in the performance of the work shall be new and of the most suitable grade for the purpose intended. This warranty shall continue until the expiration of two year after acceptance by owner of all the work; or (b) such longer period as may be specified elsewhere in this contract. The period prior to the expiration of this warranty, as it may be from time to time extended in accordance with the provisions of this contract, is sometimes referred to in this contract as the "warranty period"

33.2 If at any time during the warranty period contractor receives from owner written notice of any failure to comply with the warranty set forth in paragraph 33.1 above, contractor shall promptly and at such times as owner directs, satisfactorily correct such noncompliance and remedy any damage to other parts of the work or any other property resulting from such noncompliance. The warranty period shall then be extended as to any corrected work until the expiration of the (a) two year after acceptance by owner of the correction; or (b) such longer period as may be specified elsewhere in this contract. All costs incidental to such correction and remedying (including, but not limited to, the removal, replacement and such reinstallation of equipment necessary to gain access and all other cost incurred as the result of the defects or noncompliance) shall be borne by contractor.

GENERAL CONDITIONS

2. GENERAL CONDITIONS OF CONTRACT

SECTION I

DEFINITIONS AND INTERPRETATIONS

- 1.1 In the 'Contract' (as hereinafter defined) the following words and expressions shall have the meanings herein assigned to them, except where the subject or context otherwise requires.
- 1.2 The 'Contract' shall mean the notice of Tender, the sealed quotation and acceptance thereof, the Articles of Agreement, conditions of Tender, General Conditions of Contract the Appendix, the Technical Specifications, the Drawings, the Priced Bill of Quantities and shall include any special conditions, Annexure, letters amending, altering or stipulating conditions or rates, or specifications in so far, as accepted by the OWNER defined hereinafter, and Drawings. All these shall be deemed to form one contract and shall be complementary to one another.
- 1.3 The 'Contractor' shall mean the contractor who has been awarded the construction work, shall also include his heirs, legal representative/s, assignees, or successor/s and his registered office as stated in the quoted tender.
- 1.4 The 'OWNER' shall mean the OWNER (Accepting Authority who has awarded the construction work for execution. The OWNER shall include his heirs, executors, administrators and assigns, having its registered Office at as stated in the Notice of tender.
- 1.5 The Engineer/Engineer In-Charge shall means Manager of the project or any other person appointed by the Owner, who are so appointed for this work, or in the event of their ceasing to be the Engineer In-Charge for the purpose of this contract.
- 1.6 "NOTICE IN WRITING" or "WRITTEN NOTICE" shall mean a notice written or typed and addressed to the OWNER or the Contractor as the case may be; by Registered Post or by any other means of acknowledged delivery, to the addresses referred to above.
- 1.7 A 'Day' shall mean any day of 24 hrs from midnight to midnight, irrespective of the number of hrs Worked in that day.
- 1.8 A 'Week' shall mean seven consecutive days, without regard to the number of hours worked in any day of that week.
- 1.9 'Drawings' means the drawings referred to in the tender and any modifications of such drawings approved in writing by the Architect and any such drawings as may from time to time be furnished or approved in writing by the Architect.

- 1.10 "Act of Insolvency" shall mean any act of insolvency as defined by the Presidency Towns Insolvency Act or the Provincial Insolvency Act or any act amending such original.
- 1.11 "Excepted Risks" are risks due to riots (otherwise than among Contractor's employees) and civil commotion (in so far as both these are uninsurable) war (whether declared or not) invasion of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military or usurped power, any acts of God such as earthquakes, lightning, unprecedented flood, etc., over which the Contractor has no control and accepted as such by the OWNER.
- 1.12 "Market Rate" in the case of items not covered in the Contract shall be the rate as decided by the OWNER on the basis of the direct cost of materials including tax element and labour to the contract, prevailing at the time when the work is to be executed plus a percentage of Fifteen percent to cover all overheads and profits.
- 1.13 "Net Prices" If in arriving at the contract amount, the Contractor shall have added to or deducted from the total of the items in the Tender any sum either as a percentage or otherwise, then the net price of any item in deducting from the actual sum arrived at by adding to or deducting from the actual sum appearing in the tender a similar percentage or proportionate sum provided always that in determining the percentages or the proportion of the sum is added or deducted, by the Contractor, the total amount of any prime cost items and provisional sums of money shall be deducted from the total amount of the tender. The expression "Net Rates" or "Net Prices" when used with reference to the contract shall be held to mean rates or prices so arrived at.
- 1.14 i.) "Nominated sub-Contractor" shall mean all other specialists merchants, tradesmen and others executing any special work or supplying any who may be selected or approved and employed directly by the OWNER.
ii.) "Nominated sub-Contractor" shall undertake in writing all the like obligations and liabilities are as imposed upon the contractor by the terms of his contract. "Sub contract" shall mean any contract entered in to by the contractor with any such nominated or approved Sub-contractor.
- 1.15 The "Site" shall mean the lands and/or other on, under in or through which the work is to be executed under the contract including any other lands or places which is allotted or used for the purposes of the contract.
- 1.16 "Specifications" means primarily the specifications with these documents and the specifications of the Indian Standards Institution as referred therein.

1.17 "Works" shall mean the works to be executed in accordance with the contract or part(s) thereof as the case may be and shall include all authorized extra or additional, altered or substituted works as required for the performance of the contract.

1.18 Where the context so required, works importing persons including firms and corporation and works importing singular only also include the plural and vice-versa.

2.0 Scope:

2.1 The scope of work is to construction of Civil Finishes works as per the BOQ and Specification issued.

2.2 Irrespective of anything else said in this contract, the OWNER retains all full powers for the performance / operation of the Contract from his side. The Engineer In-Charge /PMC shall act on his behalf. The OWNER may also employ his representatives at the work site to facilitate the day-to-day work supervision and checking the measurements for billing purposes.

2.3 For the completion of the project, it will be necessary for the other agencies to be employed. The Owner's Representatives and the Engineer In-Charge /PMC will co-ordinate all activities and the Contractor shall extend full co-operation so as to achieve speedy completion.

3.0 Intents:

i] The work to be carried out under the contract shall include all the items given in the Schedule of Quantities and such other item as may be instructed by the OWNER/ Engineer In-Charge /PMC and shall except as otherwise specified in these conditions include all labour, materials including wastage, tools and plant equipment, transport, hoisting, setting and fitting in position etc., which may be required in preparation and completion of the works.

ii] Provisional items shall mean all items of works which may be required and for which only approximate quantities may have been included in the Schedule of Quantities.

iii] No work under such provisional items shall be executed without prior instruction in writing from the OWNER / Engineer In-Charge/PMC.

4.0 PMC's instructions:

i] The Contractor shall carry out and complete the said works in every respect in accordance with this contract and with the directions of and to the satisfaction of the Engineer In-Charge /PMC/OWNER. The Engineer In-Charge /PMC / OWNER may from time to time issue further drawings and/or written instructions, details,

directions and explanations which are hereinafter collectively, referred to as Engineer In-Charge/PMC's instructions'.

In regard to the following:-

- (a) The variation or modification of the design, quality or quantity of works or the additions or omission or substitution of any work.
 - (b) Any discrepancy in the drawings or between the schedule of quantities and/or drawings and / or specifications.
 - (c) The removal from the site of any materials brought there on by the contractor and the substitution of any other material thereof.
 - (d) The dismissal from the works of any persons employed thereupon.
 - (e) The opening up for inspection of any work covered up.
 - (f) The amending and making good of any defects.
- [ii] The Contractor shall forthwith comply with and duly execute any work comprised in such Engineer In-Charge /PMC's instructions provided always that verbal instruction, directions, and explanations given to the Contractor or his representative upon the works by the Engineer In-Charge /PMC shall, if involving a variation, be confirmed in writing by the Contractor within a further seven days by the Engineer In-Charge /PMC, and if not dissented from such shall be deemed to be Engineer In-Charge /PMC's instructions within the scope of the contract. If oral instructions are not confirmed in writing within 7 days, the contractor shall, nevertheless, comply with the same. However, the OWNER shall issue the written confirmation at any time prior to issue of the final certificate and the said confirmation shall, there upon, be deemed to have taken effect on the date on which it was orally issued.
- [iii] If compliance with the Engineer In-Charge /PMC's instructions as aforesaid involves work and/or expense and/ or loss beyond issued owing to some breach of this contract by the Contractor, the OWNER shall pay to the Contractor on the Engineer In-Charge /PMC's Certificate the price of the said work to the extent of the work exempted only and not for total volume of item (as an extra to be valued as hereinafter provided) and/or expenses and or loss.

5.0 Deviations

The OWNER/ Engineer In-Charge /PMC may make any alterations, additions to or omissions from the work as described in the tender documents (including change in the lines, levels, positions and dimensions of any part of the work) that may in his opinion be necessary and for that purpose he shall have proven to order the Contractor to do and the Contractor shall carry out the same as provided in this tender document.

6.0 Drawings and schedule of Quantities

The original contract agreement shall remain in the custody of the OWNER. The Contractor on the signing here of shall be furnished by the owner/PMC with a copy of the priced schedule of quantities, copies of each of the drawings, copy of the specifications and copy of such drawings required by the Contractor shall be paid for by him. The Contractor shall keep one copy of all drawings and specifications on the works and the Architect or his representative shall at all reasonable times have access to the same. Before the issue of the final certificate to the Contractor, he shall forthwith return to the Engineer In-Charge /PMC all drawings and specifications. The Contractor will not, at any time during the tenure of construction or otherwise divulge to any other firm or person any technical data or know-how that would be available to him for discharge of day-to-day functions during the tenure of constructions.

7.0 Drawings to be kept at site.

The Contractor shall keep one copy of the approved drawings furnished to the Contractor, at site and the same at all reasonable times are available for inspection and use by the OWNER/ Engineer In-Charge /PMC.

8.0 Schedule of Quantity:

- (i) The Schedule of Quantities unless otherwise stated shall be deemed to have been prepared in accordance with IS 1200 and/or the Standard Method of Measurement
- (ii) Any error of description or in omission of items from the Schedule of Quantities shall not vitiate this contract but shall be rectified and the value thereof as ascertained under Clause 33 here of shall be added to or deducted from the contract amount (as the case may be) provided that there shall be no rectification of errors in the Contractor's Schedule or Rates.

9.0 Sufficiency of rates:

The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the prices stated in the schedule of Quantities and/or the Schedule of Rates and prices which rates and prices shall cover all his obligations under the Contract, and all matters and things necessary and shall obtain clarification from the Architect his intent for each item tendered for.

10.0 Variation not to vitiate Contract.

No alteration, omission or variation shall vitiate this Contract but in case OWNER through the Engineer In-Charge /PMC thinks proper at any time during the progress of works to make any alterations in or additions to or omissions from the works or any alteration in the kind or quality of the materials to be used therein and shall give notice thereof in writing to the Contractor. The Contractor shall not do any work extra or make any alternations or additions to or omissions from the works or any deviation from any of the provisions from the works or any deviation from any of the provisions of the contract stipulation, Specification or Contract Drawings without the previous consent, in writing of the Engineer In-Charge /PMC/OWNER and the value of such extras, alterations, additions or omissions shall, in all cases be determined by the Engineer In-Charge/PMC/OWNER in accordance with the provisions of Clause 33. Thereof, and the same shall be added to or deducted from the Contract amount accordingly.

11.0 Material specifications/tests.

All materials and workmanship shall be of the respective kinds described in the SCHEDULE OF QUANTITIES and / or specification and in accordance with the PMC's instructions, and the Contractor shall furnish the Engineer In-Charge /PMC/OWNER with all invoices, accounts, receipts and other vouchers to prove that the materials comply there with. The Contractor shall at his own cost arrange for and/ or carry out any test of any materials which the OWNER/ Engineer In-Charge /PMC may require. No deviations from the specifications shall be permitted under any circumstances.

12.0 Contractor to provide everything necessary.

The Contractor shall provide everything necessary for the proper execution of the works according to the intent and meaning of the drawings, schedule of quantities and specification taken together whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred there from, and if the Contractor finds any discrepancy in the drawings or between the drawings, schedule of quantities and specification, he shall immediately and in writing refer the same to the OWNER / Engineer In-Charge/PMC who shall decide which is to be followed.

13.0 Contractor's Superintendence

(i) The Contractor shall give all necessary personal superintendence during the execution of the work and as long thereafter as the Engineer In-Charge /PMC/OWNER may consider necessary and until the expiration of the "Defects Liability Period" stated in the Appendix hereto, or if none stated, within 24 months after the virtual completion of the works, the Contractor shall also during the whole time the works are in progress employ a competent representative approved of by the OWNER (which approval may at any time be withdrawn) at his cost who shall be constantly in attendance at the building while the men are at work. Any directions, explanations, instructions or notices given by the Engineer In-Charge /PMC to such representative shall be deemed to be given to the Contractor. The Contractor shall maintain a site order book in which instruction from the PMC or OWNERs representative shall be recorded for compliance.

(ii) The Contractor shall provide and employ on the site in connection with the execution and maintenance of the Works.

(a) Only such technical assistants as are skilled and experienced in their respective callings and such sub-agents, foremen and leading hands as are competent to give proper supervision to the work, they are required to supervise and

(b) Such skilled, semi-skilled and unskilled labour as is necessary for the proper and timely execution and maintenance of the works.

(c) Where required by law or regulation of local or other authority such personnel shall be duly licensed by the competent authority to practice their trades professions and callings.

(d) The contractor shall also provide a list of qualified and experienced technical/skilled Personnel proposed to be employed at site.

(iii) The OWNER / Engineer In-Charge /PMC shall be at liberty to object to and require the Contractor to remove forthwith from the work, any person employed by the Contractor in or out the execution or maintenance of the works who in the opinion of the OWNER/ Engineer In-Charge /PMC misconduct's himself, or is incompetent or negligent in the proper performance of his duties, or whose employment is otherwise considered by the OWNER / Engineer In-Charge/ PMC to be undesirable and such person shall not be again employed upon the works without the written permission of the OWNER / Engineer In-Charge/ PMC. Any person so removed from the works shall be replaced without delay by a competent substitute approved by the OWNER/ Engineer In-Charge /PMC. **No person under the age of 18 years shall be employed at site.**

(iv) The contractor shall if required by the OWNER/ Engineer In-Charge /PMC deliver to the OWNER/ Engineer In-Charge /PMC returns in such form and at such interval as the OWNER/ Engineer In-Charge /PMC may otherwise desire in detail the OWNER/ Engineer In-Charge /PMC may otherwise desire, showing in detail the

supervisory staff and the numbers of the several classes of labour from time to time daily, weekly and/or monthly as the OWNER feels appropriate employed by the contractor on the site.

(iv) The Contractor shall maintain and protect public and private carriage ways, footways, kerbs, pipes, ducts, sewers, service mains, overhead cables, etc., and keep approaches to the site clear of mud throughout the execution of the works and make good or pay for the reinstatement of any damage caused there to directly or indirectly by the execution of the works.

14.0 Temporary service road etc.

- (i) Unless otherwise specified, the contractor shall provide and bear all expenses and charges for special or temporary service roads required by him in connection with access to the site. He shall after, adept or maintain the same as required from time to time.
- (ii) He shall not object to the use of these roads by other traffic permitted by the OWNER.

Site Offices, Stores, Accommodation, etc.

Contractor shall make his own administrative arrangement for the work. The OWNER may allow certain site facilities to the contractor, provided that these arrangements will not interfere with the OWNERs future construction program, or any of his other requirements. At any rate the contractor will not be allowed to put up any other structures other than those contracted for in the working site, unless specifically permitted by the OWNER/ Engineer In-Charge/PMC. He shall maintain the temporary site facilities as necessary.

The contractor shall dismantle and remove from site all such temporary structures on completion of contract or whenever the Engineer In-Charge /PMC/OWNER may require such dismantling and removal on account of obstruction of work, nuisance value or any other reason.

The contractor shall provide free of cost the following furnished and site office accommodation for the sole use of the Engineer In-Charge/PMC and the OWNER at such a place at site as may be indicated.

16.0 Progress

(i) Time is the essence of this contract. It shall be clearly understood that the contractor is bound to complete the works in all respect within the time specified in these documents. The contractor shall also make arrangement submitting the following during the project.

- a) Submission of daily labour and progress reports
- b) Submission of monthly progress reports
- c) Submit reports of weekly progress meetings
- d) Submission of monthly progress photographs.

(ii) The Contractor's program of work / bar chart submitted by him shall bear a responsible relation to the total time schedule and shall give the forecast of the dates of commencement and completion of the various construction trade/stages of the work. It shall also indicate the time schedule for all preliminary arrangements the contractors intends to make before start of the works.

The schedule shall be in form of GANTT or BAR or CPM/PERT CHART specifying activity relationships and duration critical path and milestones. The date wise program of work shall be submitted to the Engineer In-Charge/PMCs, OWNER within one week of award of the work. It shall contain the completion dates of important milestones like that of structure, finishing works and handing over.

The contractor shall prepare and submit a bar chart based constructions program which should indicate:

Expected commencement & completion dates of each work item.

Monthly cash outlay

Scheduling of samples, shop drawings & approvals.

Scheduling of material procurement.

Scheduling of manpower, plant, tools, machinery and formwork.

This program, after due approval by the OWNER, will form part of the contract documents.

III) The progress schedule should be amended on a regular basis, to be decided by the Engineer In-Charge/PMCs/OWNERS representatives.

(iv) The Contractor shall appoint adequate manpower for civil engineering work to be carried out by him to complete the job and shall increase the manpower requirement in order to speed up the job so as to complete the same within the time schedule. The Contractor should submit within 7 days of award of work, a schedule showing his manpower deployment (with classification by trade) over the duration of the project. The OWNER/ Engineer In-Charge/PMC shall amend this if necessary, in consultation with the contractor and the contractor shall be bound to adhere to revised manpower scheduling.

(v) The contractor shall arrange at his cost and bring to the site the necessary construction equipment's in excellent working condition shall arrange for additional construction equipment if deemed necessary to speed up the job in order to complete the same within the time schedule. No plant, equipment or machinery shall be withdrawn from the side unless permitted by the OWNER/Engineer In-Charge/PMC.

(vi) No construction material belonging to the contractor such as centering material, mechanical and electrical equipment shall be allowed to be taken out of site without specific approval of the OWNER's OWNER/ Engineer In-Charge/PMC.

17.0 Setting out of Works.

- (i) The Contractor shall be responsible for the true and proper setting out of the works. He shall be responsible for the proper maintenance of all reference pillars, benchmarks, stakes and other evidences existing in the field required in connection with the setting out of works at his own cost till physical completion of all the items of work or prior to that if agreed to by the Engineer In-Charge/PMC. The contractor shall employ a qualified surveyor for maintaining of records jointly.
- (ii) All such benchmarks, reference pillars etc., shall be subject to checks and approval of the Engineer In-Charge/PMC / OWNER at all times. Any variations noticed in the work as a result of improper establishment or maintenance of these shall be at the risk and expense of the contractor.

18.0 Access to Works

The OWNER, Consulting Engineer, Engineer In-Charge, PMC and the Financing representatives, shall at all reasonable times to have free access to the works and/or to the workshops, factories, or other places where materials are lying or from which they are being obtained and the contractor shall give every facility to them and their representatives, necessary for inspection and examination and test of the materials and workmanship.

19.0 Authorities, Notices and Patents

- (i) The contractor shall conform to the provisions of any Act of the Legislature relating to the works, and to the Regulations and Bye-Laws of any authority, and of any water, lighting and other companies and/or Authorities with whose system the structure is proposed to be connected, and shall, before making any variations from the drawings or specifications that may be necessitated by so conforming, give to the Engineer In-Charge/PMC written notice, specifying the variation proposed / made and the reason for making it, and apply for instructions there on. In case the contractor shall not within five days receive such instructions, he shall proceed with the work, conforming to the provisions, regulations, or Bye/Laws in question, and any variation so necessitated shall be dealt with under clause No. 19,20 & 21 of the Article of Agreement.
- (ii) The contractor shall bring to the attention of the Engineer In-Charge/PMC all notices required by the said Acts, Regulations or Bye-Laws to be given to any Authority and pay to such Authority, or to any Public Office all fees that may be properly chargeable in respect of the works and lodge the receipts with the PMC / OWNER.
- (iii) The contractor shall indemnify the OWNER against all claims in respect of patent rights, and shall defend all actions arising from such claims, and shall

himself pay all royalties, license fees, damage, costs & charges of all and every sort that may be legally incurred in respect thereof.

20.0 Watching and Lighting.

The Contractor shall provide and maintain at his own expenses all lights, guards and watching when and where necessary or required by the OWNER for the protection of the works or for the safety and convenience of those employed in the works.

21.0 Working during nights and Holidays.

Subject to any provisions to the contrary contained in the contract, none of the permanent works shall be carried out during night or on weekly and authorized holidays without the permission in writing of the PMC / OWNER except when the work/s is/are unavoidable or absolutely necessary for the safety of life, property or works, in which case the contractor shall immediately advise the Engineer In-Charge/PMC / OWNER accordingly. Provided always that the provisions of this clause shall not be applicable in the case of any work, which it is customary to carry out in rotary or double shifts. No extra payment for carrying out the work at night or on holidays. All safety measures and precautions to be taken while working at night.

22.0 Assignments and Sub-letting.

The whole of the works included in the contract shall be executed by the contractor and the contractor shall not directly or indirectly transfer, assign or sub-let the contract or any part thereof or interest therein without the written consent of the Engineer In-Charge/PMC / OWNER and no undertaking shall relieve the contractor from active superintendence of the works during their progress.

23.0 Nominated Sub-Contractors

(i) All specialists, Merchants, tradesmen and others executing any work or supplying and fixing any goods at prime cost prices, provisional sums are included in the schedule of quantities / specifications, and those who may be nominated or selected by the OWNER are hereby declared to be sub contractors employed by the contractor and are herein referred to as nominated sub contractors.

(ii) No nominated Sub-Contractor shall be employed without the written permission of the OWNER in connection with the works

a) The nominated sub-contractor shall indemnify the contractor against claims in respect of acts of negligence by the Sub-Contractor, his servants or agents or any misuse of any plants and machinery improper use of scaffolding etc.

b) Payment shall be made to the nominated subcontractor within fourteen days of his submission of bills duly certified by the Engineer In-Charge/PMC The proof that

all nominated sub-contractor's accounts included in previous bill have been duly paid by the contractor, in default the OWNER may pay the same upon a certification from PMC and deduct the amount there of any sums due to the contractor. The exercise of this power shall not create privities if contractor as between OWNER and sub-contractor.

24.0 Facilities to other Contractors

The OWNER reserves the right to use the premises and any portions of the site of the execution of any work not included in this contract which he may desire to have carried out by the other agencies / persons, and the Contractor is to allow all reasonable facilities for the execution of such work but is not required to provide any plant or materials for the execution of such work except by special arrangement with the OWNER. Such work shall be carried out in such a manner as not to impede the progress of the works included in the contract and the contractor is not to be responsible for any damage or delay that may happen to be occasioned by such work. The Engineer In-Charge/PMC / OWNER will co-ordinate the activities of all the agencies / persons.

25.0 Care of Works

(i) From the commencement to the completion of the works the contractor shall take full responsibility for the care thereof and of all temporary works and in the case any part thereof and of all temporary works from any cause whatsoever, save and except the "Excepted Risks" as defined in clause 1.11 of "General Conditions of Contract: Definitions & Interpretations" shall at his own cost, repair and make good the same, so that at completion, the permanent works shall be in good order and condition and in conformity in every respect with the requirements, of the contract and the Engineer In-Charge/PMC's instructions. In the event of any such damage, loss or injury happening from any of the excepted risks, the contractor shall if and to the extent required by the Engineer In-Charge/PMC, repair and make good the same as aforesaid at the cost of the OWNER, subject always to the provisions of Clause 34.0 below.

The contractor is also liable for any damage caused to the works occasioned by him in the course of any operations carried out by him carried out by him for the purpose of complying with his obligations under clause 41.0.

ii) "Excepted Risks" are as defined in clause 1.11 "Definitions and Interpretations"

26.0 Insurance and Protection of Property and Persons.

- i) Contractor shall take all precautions which are necessary to prevent bodily harm to persons and damage to any property or environment in connection with performance of the work. Without limiting the generality of the foregoing, Contractor

shall erect and maintain such fences, barricades, signs, flags, flashers, excavation covers and other safeguards as are required. Contractor shall as necessary inspect all goods, materials, tools, equipment and other items to discover any conditions which involve a risk of bodily harm to persons or a risk of damage to any property or environment and shall be solely responsible for discovery and correction of ,and protection against, any such conditions.

- ii) Contractor shall ensure that, with respect to all persons performing the work, Contractor or its support maintain in effect at all times during the performance of the work coverage or insurance in accordance with the applicable laws relating to workers compensation and employer's liability insurance regardless of whether such coverage or insurance is mandatory or merely elective under the law.
- iii) Contractor shall secure and maintain such property and liability insurance as will protect Contractor, its support and the additional insured's from and against any and all claims and liabilities arising out of personal injury(including death)or property damage that may result from performance of the work, whether such performance is by Contractor or any of its supports .
- iv) Without limiting the generality of the foregoing, prior to commencement of the work, Contractor shall secure insurance with provisions, overages and limits substantially and in the certificate of insurance (with endorsement)attached hereto. Contractor its support shall maintain such insurance and coverage in full force and effect at all times until all of contractor's obligations under this contract have been fully performed, all of the work has been accepted by Owner and all operations of Contractor and its support (including, but not limited to, removal of equipment and other property) on or about the site of the work have been concluded.
- v) Prior to commencement of the work and at such other times as owner may request, Contractor shall deliver to Owner certificates of insurance (with the endorsements attached)as evidence that policies providing insurance required by this contract are in full free from and effect Contractor shall also furnish Owner with such additional assurance and evidence of such insurance (such as copies of all insurance policies, certified by an authorized representative of the insurer)as Owner may from time to time request.
- (vi) Without limiting his obligations and responsibilities under clause 26.0 above, the contractor at his own cost shall provide necessary Insurance in terms approved by the OWNER, to cover the following in the joint names of the OWNER and the contractor and a copy / copies of the policy / policies shall be furnished to the OWNER within one month from the award of the contract.

Like providing tarpaulins to protect from weather.

27.0 Labour and General Laws

- (i) The contractor shall employ labour in sufficient force either directly or through approved sub-contractors to maintain the required rate of progress and quality

specified in the contract and to the satisfaction of the OWNER / Engineer In-Charge/PMC. The contractor shall make his own arrangements for providing labour colony outside the premises.

- (ii) The contractor shall provide pure drinking water facilities to the workers.
- (iii) The Contractor shall pay fair and reasonable wages to workmen, employed by him in the contract undertaken by him. In the event of any dispute arising between the contractor and his workmen on the ground that the wages paid are not fair and reasonable, the dispute shall be referred without delay to the OWNER who shall decide the same. The decision shall not in any way affect the conditions in the contract regarding the payment to be made by the OWNER at the accepted Tender Rates.
- (iv) The contractor shall comply with provisions of the Payment of Wages Act, 1936, minimum Wages Act 1948, Employees Liability Act 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, the contract Labour Regulation and Abolition Act, 1970, or any modifications thereof or any other law relating thereto and rules made hereunder from time to time.
- (v) The contractor shall indemnify the OWNER against any payment to be made under the Acts for the observance of the Regulations aforesaid without prejudice to his right to claim indemnity from his sub-contractors.
- (vi) The contractor shall be responsible for and shall pay any compensation to his own workmen under the Workmen's Compensation Act 1923 (VIII) of 1923, (hereinafter called "The said Act") for injuries caused to the workmen. If such compensation is paid by the OWNER as Principal under Sub-section (i) of section 12 of the said Act on behalf of the Contractor under Sub-Section 2) of the said section. Such compensation shall be recovered in the manner laid down in Clause 27.0 above.
- (vii) The Contractor shall be responsible for and shall pay the expense for providing medical aid to any workmen whom may suffer a bodily injury as a result of an accident. If the OWNER incurs such expenses, the same shall be recoverable from the Contractor forthwith and be deducted without prejudice to any other remedy by the OWNER from any amount due or that may become due to the Contractor.
- (viii) The Contractor shall provide all personal safety equipment and first aid and apparatus for the persons employed on the site and maintain the same in good condition suitable for immediate use at any time.
- (ix) The contractor shall not engage labours that are aged below 16 years.
- (x) Contractor shall provide ESI and PF facilities to the workers as per the prevailing rules and regulations.

28.0 Nuisance

- (i) The Contractor shall not at any time, do, cause or permit any nuisance on the site or do anything which shall cause unnecessary disturbance or inconvenience to

Owners near the site of work and to the public generally.

(ii) The contractor shall indemnify the OWNER in respect of all claims, demands, proceedings, damages, costs, charges and expenses whatsoever arising out of or in relation to any such nuisance in so far as the Contractor is responsible thereof.

29.0 Clerk of works

(i) The clerk of works shall mean the person appointed by the Engineer In-Charge/PMC/OWNER. The contractor shall afford the clerk of works every facility and assistance for inspecting the works and materials. Neither the clerk of works nor any representative of the Engineer In-Charge/PMC shall have the power to set out works or to revoke, alter, enlarge or relax any requirements of the contractor or sanction any day work, additions, alterations, deviations or omissions or any extra work whatever except in so far as such authority may be specially conferred by a written order of the Engineer In-Charge/PMC/OWNER.

(ii) The clerk of works or any representative of the Engineer In-Charge/ PMC shall have power to give notice to the contractor or to his representative of non approval of any work or material whatsoever and such work shall be suspended or the use of such materials and such work shall be suspended or the use of such materials shall be discontinued until the decisions of the Engineer In-Charge/PMC is obtained. The works will from time to time be inspected by the Engineer In-Charge/PMC, The Clerk of works or the Engineer In-Charge/PMCs representative but such examination shall not in any way exonerate the contractor from the obligation to remedy any defects which may be found to exist at any stage of the works or after the same is completed

30. Failure to Comply with Engineer In-Charge/PMCs Instruction.

If the contractor after receipts of written notice from the Engineer In-Charge/PMC / OWNER requiring compliance within five days fails to comply with such further drawings and/or Engineer In-Charge/PMC's / OWNER's instructions, the OWNER may employ and pay other persons to execute instructions and any such work whatsoever that may be necessary to give effect thereto, and all cost incurred in connection therewith, plus 50% as penalty shall be recoverable from the contractor by the OWNER on the Certificate of the Engineer In-Charge/PMC as a debt or may be deducted by him from any moneys due or may become due to the contractor.

31.Measurement and Payment.

(i) Measurements shall be as per latest edition of IS 1200.

(ii) The Contractor will himself undertake the quantity surveying work. In case he fails to submit his bills in proper order, the OWNER reserves for himself the right to employ an expert at the cost of the Contractor if the bills submitted by the

Contractor show inaccuracies frequently, indicating that the Contractor is not capable of taking the required measurements and submitting a proper bill. The expert will make the measurement on the basis of drawings in as far as it is practicable. The billing procedure and format shall be as approved by the OWNER / Engineer In-Charge/PMC. The minimum value of each running bill submitted for certification shall be as per Notice of Tender. On completion of the entire work, the contractor shall submit the final bill within reasonable time, failing which the OWNER / PMC shall after giving due notice, employ their own representative to take the measurements and these shall be final and binding on the contractor.

32. Certificates and Payments

i) The Contractor shall be paid by the OWNER from time to time by installments under Interim Certificates to be issued by the Engineer In-Charge/PMC and OWNER's representative to the Contractor on account of the work executed, when in the opinion of the Engineer In-Charge/PMC/OWNER's representative, Work to the approximate value named in the Appendix as "Value of Work for Interim Certificates" (or less at the reasonable discretion of the Engineer In-Charge/PMC / OWNER) has been executed in accordance with this Contract subject, however to a retention of the percentage of such value named in the Appendix hereto as "Retention Percentage for the Interim Certificates". All the payments made under interim certificate will be subject to final reconciliation at the time of settlement of final bill/accounts.

ii) And when the works have been virtually completed and the Engineer In-Charge/PMC shall have certified in writing that they have been completed, the contractor shall be paid by the OWNER in accordance with the certificate to be issued by the Engineer In-Charge/PMC the sum of money named in the Appendix as "Installment after virtual completion" being a part of the said Total Retention Money and the Contractor shall be entitled to the payment of the final balance in accordance with the final certificate to be issued in writing by the Engineer In-Charge/PMC at the expiration of the period referred to as "The Defects Liability Period" in the Appendix here to from the date of virtual completion or as soon after the expiration of such period as the works shall have been finally completed and all defects made good according to the true intent and meaning hereof which ever shall last happen, provided always that the issue by the Engineer In-Charge/PMC of any certificate during the progress of the works or at or after their completion shall not relieve the contractor of his liability, nor absolve the contractor of his liabilities in cases of fraud, dishonesty, or to any matter dealt with in the certificate in case of all defects and insufficiencies in the works or materials which a reasonable examination would not have disclosed. No certificate is evidence that any works or materials to which it relates are in accordance with the contract. The OWNER will not be liable to pay to the contractor any interest on the amount so retained by him.

(iii) The Engineer In-Charge/PMC and/or OWNER shall have power to withhold any

certificate if the works or any parts thereof are not being carried out to their satisfaction.

(iv) The Engineer In-Charge/PMC may by any Certificate make any correction in any previous certificate that shall have been issued by him.

(v) Payments upon the Engineer In-Charge/PMC's Certificate shall be made within the periods named in the Appendix as "Period for Honoring of Certificate" after such certificates has been delivered to the OWNER.

(vi) Whenever any claim for the payment of a sum of money to the OWNER arises out of or under this contract against the Contractor, the same may be deducted by the OWNER from any sum then due or which at any time thereafter may become due to the contractor, under this contract, or failing that under any other contract with the OWNER or from any other sum due to the Contractor from the OWNER or from his retention money, or he shall pay the claim on demand.

(vii) The payment will be made from the Owner's Head Office Accounts at against monthly bills and Engineer In-Charge/PMC Certificates.

33. Ascertainment of Prices of Extra Items.

- (i) In the event the contractor is asked to execute any item of work that is not covered under the contract or Schedule of Quantities and Rates, such items of work will be paid for & valued as per and in order of preference indicated below:
 - a. At rates applicable in the contract schedule or
 - b. At rates that may be derived from the rates in the contract scheduled for analogous items.
 - c. In the event of a & b not being possible, at market rates as may be worked out based on the actual cost of work at site to the contractor plus 15% towards his overheads and profits (as described in clause 2.I.12 above.)
- ii) While all efforts will be made to finalize the rates before the extra item of work is ordered, the Contractor shall not stop the work on account of non-finalization of the rates.

34. Payments at Reduced Rates

The rates for several items of work agreed to within, shall be valid only when the items concerned are accepted as having been completed fully in accordance with the sanctioned specifications. In cases where the items of works are not accepted as so completed, the Engineer In-Charge/PMC may certify payment on account of such items at such reduced rates as he may consider reasonable in either preparation of final or on account bills.

If the OWNER deems it inexpedient to correct work which has been damaged or not done in accordance with the contract, the OWNER reserves the right to make equitable deductions from contract prices against such work.

35. Unfixed materials to become property of OWNER

Where in any certificate (of which the Contractor) has received payment the Engineer In-Charge/PMC has included the value of any unfixed materials intended for and/or placed on or adjacent to the works, such materials shall become the property of the OWNER and they shall not be removed except for use upon the works, without the written authority of the OWNER. The contractor shall be liable for any loss or damage to such materials.

36. Penalty for Bad work and Removal of improper work.

If at any time before the security deposit is refunded to the contractor, it shall appear to the OWNER/ Engineer In-Charge/PMC that any work has been executed with unsound, imperfect or unskillful workmanship or with materials of inferior quality or articles provided by him for the execution of the work are unsound or of a quality not in accordance with the contract, it shall be lawful for the OWNER/ Engineer In-Charge/PMC to intimate this fact in writing to the contractor and then notwithstanding the fact the work, materials or articles complained for may have been paid for, the contractor shall be bound forthwith to rectify or remove and reconstruct the work so specified and provide other proper and suitable materials or articles at his own cost. In the event of the contractor failing to do so within a period to be specified by the OWNER/ Engineer In-Charge/PMC in the written intimation aforesaid, the OWNER may rectify, or remove and re-execute the work or remove and replace the materials or articles complained of, as the case may be at the risk and expense in all respects of the contractor. Should the OWNER for any valid reasons, consider that any such inferior work or materials as described above has to be accepted, he may accept the same at reduced rates as the Engineer In-Charge/PMC may fix therefore.

37.0 Date of Commencement and Completion.

The contractor shall be allowed admittance to the site on the "Date of Commencement" stated in the Appendix, and he shall put all efforts/requisite resources in the form of men, materials and machinery, and forthwith begin the works and shall regularly proceed with and complete the same (except such painting or other decorative work as the Engineer In-Charge/PMC/OWNER may desire to delay) on or before the "Date of Completion" stated in the Appendix subject nevertheless to the provisions for Extension time hereinafter contained.

38.0 Delay and Extension of Time.

If in the opinion of Engineer In-Charge/PMC/OWNER the works be delayed

- a) By force major.
- b) By reasons of any exceptionally inclement.

c) By reason of proceedings taken or threatened by or dispute with adjoining or neighboring OWNERS or public authorities arising otherwise than through the Contractor's own default or

d) By the works or delays of other contractors or tradesmen engaged or nominated by the OWNER or Engineer In-Charge/ PMC and not referred to in the schedule of quantities and/or specifications as per clause 37.0 or

e) By reason of civil commotion, local combination of workmen on strike or lockout affecting any of the building traders or

f) in the consequence of the contractor not having received in due time the necessary instructions from the Engineer In-Charge/PMC for which he shall have specifically applied for in writing, the Engineer In-Charge/PMC in consultation with the OWNER shall make a fair and reasonable extension of time for completion of the contract works. In case of such strike as may be given written notice thereof to the Engineer In-Charge/PMC, the Contractor shall nevertheless constantly use his endeavors to prevent delay and shall do all that may reasonably be required to the satisfaction of the Engineer In-Charge/PMC to proceed with work. The Contractor shall not be entitled to any compensation for escalation on this account.

39. Suspension of works.

(i) If at any time after the execution of the contract documents, the OWNER shall for any reason whatsoever require the whole or any part of the work, as specified in the tender to be stopped for any period or shall not require the whole or part of the work to be carried out at all, he shall give notice in writing of the fact to the contractor who shall thereupon suspend or stop the work totally or partially as the case may be. In any such case, except as provided hereunder the contractor shall have no claim to any payment of compensation whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not so derive in consequence of the full amount of work not having been carried out, or on account of any loss he may be put to on account of materials purchased or agreed to be purchased after issue of such notice or for unemployment of labour recruited by him. He shall not have any claim for compensation by reason of any alterations having been made in the original specifications, drawings, designs or instructions which may involve any curtailment of the work as originally contemplated.

(ii) Where, however, materials have already been purchased or agreed to be purchased by the Contractor before receipt by him of the said notice, the contractor shall be paid for such materials at the rate determined by the OWNER provided, they are not in excess of requirements and are of approved quality and / or shall be compensated for the loss if any, that he may be put to in respect of materials agreed to be purchased by him, the amount of such compensation to be determined by the Engineer In-Charge/PMC whose decision shall be final and binding.

iii) Any substantial part of the permanent works that has been both completed to the satisfaction of the Engineer In-Charge/PMC, and occupied or used by the OWNER.

(iv) If any part of the Permanent Works shall have been substantially completed and shall have satisfactorily passed any final test that may be prescribed by the contract, the Engineer In-Charge/PMC may issue a Certificate of completion in respect of that part of Permanent Works before completion of the whole of the works and upon the issue of such Certificate, the Contractor shall be deemed to have undertaken to complete any outstanding work in part of the works during the period of maintenance.

v) Provided always that a Certificate of Completion given in respect of any section or part of the Permanent Works before completion of the whole shall not be deemed to certify completion of any ground or surfaces requiring reinstatement, unless such certificate shall expressly so state.

40. Certificate of Virtual completion

The works shall not be considered as completed until the Engineer in charge /PMC has certified in writing that they have been virtually completed and the defects liability period commences from the date of such certificate.

41. Defects Liability.

a) Contractor warrants that :I The work shall be performed in a workmanlike and skillful manner (.ii)The work shall in all respect be of first class quality, free from all faults and defects in workmanship,material,design(other than a defect in any design provided by owner) and title, and (iii) the work shall be in compliance with the requirements of this contract; and d)all material, equipment and other items incorporated(or to be incorporated)in the work or consumed(or to be consumed)in the performance of the work shall be new and of the most suitable grade for the purpose intended. This warranty shall continue until the expiration of the later of (i) two year after acceptance by owner of all the work; or (ii) such longer period as may be specified elsewhere in this contract. The period prior to the expiration of this warranty, as it may be from time to time extended in accordance with the provisions of this contract, is sometimes referred to in this contract as the “defects liability period”

b) If at any time during the warranty period Contractor receives from owner written notice of any failure to comply with the warranty set forth in paragraph (a) above, contractor shall promptly and at such times as owner directs, satisfactorily correct such noncompliance and remedy any damage to other parts of the work or any other property resulting from such noncompliance. The warranty period shall then be extended as to any corrected work until the expiration of the later of (i) two year after acceptance by owner of the correction; or (ii) such longer period as may be specified elsewhere in this contract. All costs incidental to such correction and remedying (including, but not limited to, the removal, replacement and such reinstallation of equipment necessary to gain access and all other cost incurred as

the result of the defects or noncompliance)shall be borne by contractor.

c) Any defect, shrinkage, settlement or other fault which may appear within the "Defects Liability Period" stated in the Appendix hereto or, if none stated, then within twenty four months after the virtual completion of the works arising in the opinion of the OWNER / Engineer In-Charge/PMC from materials or workmanship not in accordance with the contract, shall upon the direction in writing of the OWNER / Engineer In-Charge/PMC, and within such reasonable time as shall be specified therein, be amended and made good by the contractor, at his own cost unless the OWNER shall decide that he ought to be paid for such amending and making good; and in case of default make good such defects, and all damages, shrinkage, settlements or other faults, and all damages, loss and expenses consequent there on or incidental thereto, shall be recoverable from him by the OWNER or may be deducted by the OWNER from any money due to the contractor, or the OWNER may in lieu of such amending and the contractor a sum to be determined by the OWNER/ Engineer In-Charge/PMC equivalent to the cost of amending such work plus penalty as decided by the Engineer In-Charge/PMCs and in the event of the amount retained under clause 32.0 being insufficient, to recover the balance from the Contractor, together with any expenses the OWNER may have incurred in connection therewith. Should any defective work have been done or material supplied by any sub-contractor employed on the works who has been nominated or approved by the OWNER as provided in clause 23.0, the Contractor shall be liable to make good in the same manner, as if such work or material has been done or supplied by the Contractor had been subject to the provisions of this Clause. The Contractor shall remain liable under the provisions of this clause notwithstanding the signing by the Engineer In-Charge/PMC of any Certificate or the passing of any accounts / payments.

42. Damage for Non Completion

If the Contractor fails to complete the works by the date stated in the Appendix or within any extended time under Clause 38.0 herein and the Engineer In-Charge/PMC certifies in writing that in his opinion the same ought reasonably so to have been completed, the contractor shall pay or allow to the OWNER the sum named in the Appendix as "**Liquidated Damages**" for the period during which the said works shall so remain incomplete and the OWNER may deduct such damages from any moneys due to the Contractor. The deduction of such sum shall not however absolve the contractor of his responsibility and obligations to complete the work in its entirety.

43. Termination of Contract by OWNER.

(i) If the Contractor being an individual or a Firm commit any "Act of Insolvency" or shall be adjudged an insolvent or being an Incorporated Company shall have an

order for compulsory winding up made against it or pass an effective resolution for winding up voluntarily or subject to the Liquidator in such acts of Insolvency or winding up shall be liable within seven days after notice to him requiring him to do so to show to the reasonable satisfaction of the OWNER that he is able to carry out and fulfill the contract, and to give security thereof, if so required by the OWNER.

(ii) Or if the Contractor (whether an individual Firm or Incorporated Company) shall suffer execution to be issued.

(iii) Or shall suffer any payment under this contract to be attached by or on behalf of any of the creditors of the Contractor.

(iv) Or shall assign or sublet this contract without the consent in writing of the OWNER first obtained.

(v) Or shall charge or encumber this contract or any payments due or which may become due to the Contractor there under.

(vi) Or if the Engineer In-Charge/PMC shall certify in writing to the OWNER that the Contractor -

a] Has failed to commence the works, or has without any lawful excuse under these conditions suspended the progress of the works for ten days after receiving from the Engineer In-Charge/PMC written notice to proceed, or

b] Has failed to proceed with the works with such diligence and failed to make such due progress as would enable the works to be completed within the time agreed upon, or

c] Has failed to remove materials from the site or to pull down and replace the work for five days after receiving from the Engineer In-Charge/PMC written notice that the said materials or work were condemned / rejected by the Engineer In-Charge/PMC under these conditions, or

d] Has neglected or failed persistently to observe and perform all or any of the acts, matters or things by this contract to be observed and performed by the Contractor for five days after written notice shall have been given to the Contractor requiring the Contractor to observe or perform the same, or

e] Has to the detriment of good workmanship or in defiance of the PMC's instructions to the contrary sublet any part of the contract. Then and in such of the said cases the OWNER in consultation with the Engineer In-Charge/PMC may notwithstanding any previous waiver, after giving seven days notice in writing and without affecting the powers of the Engineer In-Charge/PMC or the obligations and liabilities of the contract the whole of which shall continue in force as fully as if the works subsequently executed by or on behalf of the Contractor. And further, the OWNER in consultation with the Engineer In-Charge/PMC, may enter upon and take possession of the works and all plant, tools, scaffoldings, sheds, machinery and other power utensils and materials lying upon the premises or adjoining lands or roads, and use the same by means of his own servants and workmen in carrying on and completing the works or by employing any other Contractors or other person or persons to complete the works, and the Contractor shall not in any way interrupt or do any act, matter or thing to prevent or hinder such other Contractor or other

person or persons employed for completing and finishing or using the materials and plant for the works. When the works be completed or as soon thereafter as convenient the Engineer In-Charge/PMC shall give a notice in writing to the Contractor to remove his surplus materials and plant, and should the Contractor fail to do so within a period of ten days after receipt thereof by him, the OWNER shall sell the same by public auction, and shall give credit to the contractor for the amount realized after deducting expenses. The Engineer In-Charge/PMC shall thereafter ascertain and certify in writing under his hand what (if anything) shall be due or payable to or by the OWNER for the value of the said plant and materials so taken possession of by the OWNER and the expenses or loss which the OWNER shall have been put to in producing the works to be completed, and the amount which shall be so certified shall there upon be paid by the OWNER to the Contractor or by the Contractor to the OWNER, as the case may be, and the certificate of the Engineer In-Charge/PMC shall be final and conclusive between the parties.

44. Matters to be finally decided by Engineer In-Charge/PMCs

The decision, opinion, direction, certificate with respect to all or any of the matters shall be final and conclusive and binding on the parties hereto and shall be without Appeal. Any other decision, opinion, direction, certificate or valuation of the Engineer In-Charge/PMC or any refusal of the Engineer In-Charge/PMC to give any of the same shall be subject to any right of Arbitration and review in the same way in all respect (including the provision as to opening the reference) as if it were a decision of the Engineer In-Charge/PMC.

45.0 Settlement of disputes

All disputes and differences of any kind whatever arising out of or in connection with the contract or the carrying out of the works (whether during the progress of the works or after the determination of abandonment or breach of the Contract) shall be referred to and selected by the Engineer In-Charge/PMC who shall state his decision in writing. Such decision may be in the form of a final certificate or otherwise. The decision of the Engineer In-Charge/PMC with respect to any of the "excepted matters" shall be final and without Appeal as stated in the proceeding Clause.

46.0 Prime Cost or Provisional Sums

(i) Where "Prime Cost" (P.C) prices or provisional sums of moneys are provided for any goods or work in the Specifications or Schedule of Quantities the same are exclusive of any trade discounts or allowances discount for cash or profit which the Contractor may require and carriage and fixing. Its is responsibility of Contractor .

(ii) All goods or works for which prime cost prices or provisional sums of money are provided may be selected or ordered from any manufacturers or firms at the discretion of the OWNER/ Engineer In-Charge/PMC and the OWNER/ Engineer In-Charge/PMC reserves to himself the right of paying direct for any such goods or works and deducting the said prices or sums from the amount of contract. Should any goods or work for which prime cost prices or provisional, sums allowed for the same and such additional amounts as the contractor may have allowed for carriage and fixing, will be deducted in full from the amount payable to the contractor. Whether the goods be ordered by the Contractor, or otherwise, the Contractor shall, at his own cost, fix the same if called upon to do so and the contractor shall, also receive and sign for such goods and be responsible for their safe custody as and from the date of their delivery upon the works.

(iii) In cases in which the provisional quantities of materials are contained in the Contract, the Contractors shall provide such materials to such amounts or to greater or less amounts as the Engineer In-Charge/ PMC shall direct in writing as the net rates at which he shall have priced such items in his Schedule of Quantities. Should however, any such items be entirely omitted, which omissions shall be at the Engineer In-Charge/PMC's/ OWNER's discretion, no profit on such items shall be allowed to the Contractor.

(iv) No prime cost sum or sums (or any portion thereof) shall be included in any certificate for payment to the Contractor until the receipted accounts relating to them have been produced by the Contractor to the Engineer In-Charge/PMC / OWNER. Such accounts shall show all discounts and any sum or sums in respect of such discounts shall be treated as trade discount. Provided always that should the Contractor in lieu of producing such receipted accounts request the Engineer In-Charge/ PMC in writing to issue a certificate on the OWNER for such or sums due either on account in settlement to a sub-Contractor direct, the Engineer In-Charge/PMC shall, upon satisfying himself that the Sub-Contractor is entitled to the same, so issue the certificate, and such sum or sums shall be deducted from the amount payable to the Contractor at the settlement of accounts and any profit or further sum to which the Contractor is properly entitled in respect of such Sub-Contract, and which is in conformity with the terms of the contract, shall be allowed to the Contractor at the settlement of accounts as though the amount of such certificate to the Sub-Contractor had been included in a certificate drawn in favor of the Contractor.

(v) The exercise of the option before referred to by the Contractor and the issue of certificates as before described to Sub-Contractors upon the Contractor's request or certificates by the Engineer In-Charge/PMC shall not however, relieve the contractor from any of the liabilities in respect of insufficient, faulty or incomplete work of the Sub-Contractors for which he may be under the terms of the contract.

(vi) If any provisional items are provided for works of a nature usually carried out by the contractor in the ordinary course of business the OWNER shall give the contractor an opportunity of tendering for the same without prejudice to the Owner's right to reject the lowest or any tender.

47.0 House Keeping

All unwanted debris should be cleared from the site. The contractor should obtain permission from the concerned authorities if necessary. In any case the Contractor will not be allowed to stock more than 150 Cum of debris at site. Site & store should be maintained neat and clean. It is the responsibility of Contractor to clear all debris generated at site with no extra claims.

48.0 Reconciliation of Materials supplied if by OWNER

(i) Cement: Cement issued to contractor by weight will be accounted for as certified by Engineer In-Charge/PMC / OWNER based on final measurement of work. All empty cement bags should be accounted and stored in the proper manner at the contractor store till they are disposed off/sold by the OWNER.

In case Cement/ Steel provided by Owner , actual full Cost including Transportation and Handling Charges of 2.5 % will be charged to contractor or recovered from Contractor Bills.

In reconciling the cement consumption all wastage of cement will be to the Contractor's account and shall be considered in his computations. Wastage above 3% over the theoretical consumption will be recovered at 150% of the landed cost at site. On reconciliation if the cement consumed is less than the theoretical calculations and if found it is less than 2.5%, then a penalty of 300% of the landed cost will be levied on the relevant quantity.

(ii) Reinforcement Bars: Reinforcement bars will be issued by weight. All steel issued to the contractor is to be accounted for while reconciling the issue and consumption. In reconciling the steel consumption (calculated from RCC drawings approved bar bending schedules and site measurement records maintained jointly by the contractor and the Engineer In-Charge/PMC/OWNER) wastage shall be considered in the Contractor's consumption's. Cut pieces shall be considered as waste and shall not be counted as surplus. "Rolling margin" if any, will be to the OWNER's account.

Wastage up to 2.5% will be allowed and over & above 2.5% will be recovered at 150% of the landed cost at site at the time of reconciliation. Sample from each load of all dimensions of bars shall be sent for testing at a testing center specified by OWNER / Engineer In-Charge/PMC, and if the bars are found to be differing from theoretical value, tested and certified weight per unit length shall be considered for the purpose of reconciliation.

(iii) Other material: Any other material (other than steel, cement) if supplied by the OWNER should be properly accounted and all wastage will be to the Contractor's account. Wastage up to 2.5% will be recovered from the Contractor's bills at the prime cost and wastage beyond 2.5% will be recovered at 150% of the landed cost at site.

49. Stores

Reconciliation of OWNERs supplied material should be carried out at the end of every month along with the OWNERs representative.

a] The Contractor should have well built, safe centralized godown at the owner given Space and should store materials supplied by the OWNER in a proper and accessible manner.

b] The Contractor should provide enough staff for maintaining the store.

c] The Contractor should receive the material supplied by the OWNER immediately on arrival of the consignment at site.

d] The contractor for having the system that mentioned in 2.2.50 a. b. c should claim no monetary benefits.

e] The Contractor shall produce to the OWNER/OWNER's representative all the necessary store records / documents in connection with the OWNER's supplied materials whenever asked for.

f] The OWNER/OWNER's representative will reserve his right of free, uninterrupted access to the OWNER's supplied materials store at any time for inspection. The contractor shall produce the keys whenever asked for and shall accompany the OWNER / OWNER's representative.

g] The OWNER reserves the right of double locking system for the OWNER's supplied materials store (double locking - locked by OWNER and contractor).

50. Urgent Repairs

If by reason of any accident or failure or other event occurring to or in connection with the works or any part there of either during the execution of the works or during the period of execution of maintenance any remedial or other work or repair shall in the opinion of the OWNER or the OWNER's representative be urgently necessary for security and the contractor is unable or unwilling at once to do such work or repair, the OWNER may by his own or other workmen do such work or repair as the OWNER or the OWNER's representative may consider necessary. If the work or repair so done by the OWNER is work which in the opinion of the OWNER the contractor was liable to do at his own expense under the contract all costs and charges properly incurred by the OWNER in doing so shall on demand be paid by the contractor to the OWNER from any money due or which may become due to the contractor provided always that the OWNER or the Engineer In-Charge/PMC/OWNER's representative (as the case may be) shall as soon after the occurrence of any such emergency as may be reasonable practicable notify the contractor thereof in writing.

51.As Built Drawings

The Architect will furnish working drawings and sketches from time to time as required for the execution of the job. The contractor has to return one set of the drawings and sketches with all additions/ alterations as actually made after completion of the works to enable the Engineer In-Charge/PMC to get such additions/alterations made during the execution incorporated in the original drawings in order to have these updated as "AS BUILT" drawings.

52. Performance by Contractor.

- i) Contractor shall efficiently, expeditiously and effectively perform the work in an orderly and workmanlike manner. Contractor shall enforce discipline and order among its support. Contractor shall ensure that all persons performing work comply with all jobsite work rules. Contractor shall ensure that only fully experienced and properly qualified persons perform the work. Contractor shall, if so requested by Owner/ Engineer In-Charge/PMCs, remove from performance of the work any person whom Owner/ Engineer In-Charge/PMCs determine to be incompetent, insubordinate, careless, disorderly or otherwise objectionable. Contractor shall not thereafter use such person in the performance of the work without Owner's/ Engineer In-Charge/PMC's prior written permission. Contractor shall not hire any employee of Owner/ Engineer In-Charge/PMC to perform any of the work.
- ii) Contractor shall confine all operations in the performance of the work(including, but not limited to, offices, storage, assembly, vehicle and equipment parking, ingress, egress and movement of materials equipment and workers) to such areas and during such time periods as are specified in this Contract or designated by Owner. Unless otherwise directed by Owner ,Contractor shall Deliver to (or provide for delivery to and receive at)the site of the work, unload and store all materials equipment and other items to be installed, used, consumed, or incorporated in the work or otherwise used in connection with this contract.
- iii) Contractor shall keep its work areas and access to such areas cleared of rubbish, refuse and other debris and in a neat, clean and safe condition. Contractor shall clean up garbage, equipment parts, oil filters, fuel and oil spills and similar items on daily basis. Any disposal of fuel, oil or equipment waste within the confines of the site of the work shall be subject to Owner's prior approval. Upon completion of any portion of any portion of any of the work, Contractor shall promptly remove all rubbish, refuse and other debris and all of its equipment, temporary structures, and surplus materials not to be used at or near the same location during later stages of the work.
- iv) Whenever Contractor has knowledge of any actual or potential labor dispute which may in any way affect, delay or arise in connection with or as a result of the performance of this Contract, contractor shall immediately notify and submit all relevant information to Owner.

Inspection.

- i) Contractor shall perform such detailed examination, inspection and quality surveillance of the work as well ensure that the Work is progressing and is being completed in strict accordance with this Contract. Further, Contractor shall determine when it is necessary to perform and shall perform, tests (in addition to those requested by Owner or required by this Contract) to verify its inspections and to ensure that the Work is being completed in strict accordance with this Contract. Contractor shall give Owner reasonable advance notice of all costs incurred by or at the request or Owner to perform inspections and tests that reveal or otherwise indicate noncomplying or defective work.
- ii) All work shall at all time be subject to inspection and testing by Owner. Contractor shall furnish Owner sufficient, safe and proper facilities and equipment at all times and at all places where inspections or tests may take place and all samples, drawings, specifications, data, lists, documents and other information for such inspections and tests as may be performed by Owner.
- iii) No acceptance of any work shall be construed to result from any inspections, tests or delays or failures to inspect or test by Owner. No inspection, test, delay or failure to inspect or test, or failure to discover any defect or noncompliance by Owner shall relieve Contractor of any of its obligations under this Contract or impair Owner's right to reject defective or noncomplying items or any other right or remedy afforded to Owner under this Contract or otherwise by law, notwithstanding Owner's knowledge of the defect or noncompliance or the substantiality or ease of its discovery of any defect or noncompliance.

SECTION 1

APPENDIX

- **Date of issue of Tender:** As per Notice of Tender.
- **Last Date for Submission of filled Tender.:** As per Notice of tender.
- **Place of Issue of Tender:** As per Notice of Tender.
- **Place of Submission of Tender:** As per Notice of Tender.
- **Date of Commencement:** TWO WEEK from the date of handing over the site OR Issuing of WORK ORDER **whichever is earlier.**
- **Date of Completion:** As per Notice of Tender
- **Time for Completion:** As per Notice of Tender.
- **Earnest Money Deposit:** As per Notice of Tender
- **Retention Money:**
5% of the certified value to be deducted from each bill for the value work done.
- **Mobilization Advance:** As per Notice of Tender.
- **Release of Retention Money:** As per Notice of Tender
- **Defects Liability Period:**
24 (Twenty Four) months from the date of final certification of Engineer In Charge.
- **Frequency of Running Bill:**
As per Notice of Tender
- **Liquidated Damages:**
1 % per week of the total agreed value of work up to a maximum of 10% of the total agreed value.of work
- **Period of Honoring Interim Certificate:** As per Notice of Tender.Payment will be based on actual measurements of work done.
- **Period of Honoring Final Certificate:** 08 (Eight) weeks after receipt of certificate for payment or as per agreed terms.
- **Period of Final Measurement:** 4(Four) weeks from the date of virtual completion or as per agreed terms.

SECTION II

1. GENERAL TERMS

1.0 THE MAIN CONTRACTOR

1.1 Relationship with the client.

A close relationship and continuous interaction must be maintained with the client and the Contractor. The client does not have Specific safety and health requirements shall be observed and co-operation with his OWNER/ Engineer In-Charge/PMCs or other representatives, throughout the contract is essential. The prospective Contractors are given information on which to base their tenders and at the Tender Stage; the prospective contractors are expected to understand fully the Scope and Design intent of these provisions.

1.2 Selection of Sub contractors

The Contractors should select sub or works contractors, using the same criteria of practical safety policy. Again, it must be ensured that the terms of contracts include adequate provisions for safe working and for specified safety and health items.

1.3 Planning

Detailed Planning should take the following matters into Account:

- No hazardous operations, e.g., use of cranes and site transport, steel erection, excavation and farm work, scaffolding, roof work, demolition, asbestos, removal, etc.
- Requirement for plant and equipment to ensure safe working, or ease of handling.
- The sequence of work and its phasing between contractors, to minimize the possibility of one contractor placing another contractor's men at risk. Where appropriate, the segregation of contractors should be considered.
- The need to provide information, instruction and appropriate training, both on general site safety and hazards specified in the site. The latter could range from restricted zones, permit-to-work systems and lifting operation, to the wearing of safety helmets.
- The need for fire precautions and emergency procedures.
- The need for environmental monitoring and health surveillance
- Site security and foreseeable risks to the public, including the need for directional and warning signs.
- Safe access across the site for persons, vehicles and plant. Thought should be given to arrangements for keeping the site tidy, accommodation for site staff, welfare, first aid and other facilities.
- The provision of safe places of work at different stages of the job, including the provisions of scaffolding for number of sub or works contractors.

1.4 Control

Subcontractors should be briefed about the safety policy and site rules of the Contractor at an initial safety meeting. Decisions on all other matters affecting safety and health should be laid down so that responsibilities of all parties are made clear before contractors start work. Such matters should include:

Appropriate precautions and work methods for identified hazards and hazardous work.

Necessary plant and equipment and arrangements for its provision, maintenance use and inspection.

Arrangements for some form of induction for new-starters on site.

Arrangements for any specialist training.

Arrangements for promulgating safety and health information, e.g., on site notice boards.

It is important that such and health arrangements are reviewed at the first project meeting, where the site management can set the tone for the conduct of work by resolving at an early state, any difficulties which may rise.

1.5 Co-ordination

The Construction Manager/ Project In charge, appointed by the Contractor, must be totally responsible for compliance with health safety code. He must appoint a Safety Officer and form a Safety Committee along with operatives from sub-vendors if required. The Safety Committee will be Chaired by Safety Officer of the OWNER/Engineer In-Charge/PMCs and sit once a week and report to the Engineer In-Charge/PMC / Client. The Construction Manager must take suitable arrangements to ensure the effective co-ordination of the work of all contractors on site. He should ensure that he is kept informed on a day to day basis, of progress and problems that arise. Clear lines of communication should be set up between each contractor and the Safety Officer of the Contractor. Operative must also know whom to contact over safety and health matters requiring action or a decision. Ensuring that 'safety and health' figures prominently on the agenda of regular project meetings will enhance such effective co-ordination. Safety Committees weekly report must be submitted to PMC during Project Meeting.

1.6 Monitoring

Arrangements must be made for safety and health monitoring of the site on a regular basis. This will include, not only ensuring the safety of such items as scaffolding excavations and plant but also environmental matter such as hazardous dust fume noise, etc. In all cases, the Construction Manager should ensure that Safety Officer Carries out, daily site inspections, more in depth inspections being done periodically by visiting safety advisers. It may be necessary for arrangements to be made for specialist occupational health and hygiene advice. The checklist for daily inspection is given in the following Chapters.

1.7 Records

The Contractor should ensure that all-statutory notification examinations and inspections are carried out. Except for plant used exclusively by individual contractors, the Construction Manager should keep all records.

1.8 Standards (in addition to above)

Latest revision of following standards shall be followed, unless more onerous provisions have been specified in the Safety Provisions given in this Code:

IS: 3696 (Part I) Safety code for scaffolds and ladders: Part I Scaffolds

IS: 3696 (Part II) Safety code for scaffolds and ladders: Part II Ladders

IS: 3764- Safety code for excavation work

IS: 48082 Recommendations on stacking and storage of construction materials at site (first revision).

IS: 4130-Safety code for demolition of buildings (first revision).

IS: 4912-Safety requirements for floor and wall openings, railings, and toe boards (first revision).

IS: 5121- Safety code for piling and other deep foundations.

IS: 5916- Safety code for constructions involving use of bituminous materials.

IS: 7205- Safety code for erection of structural steel work.

IS: 7969- Safety code for handling and storage of building materials.

IS: 8989- Safety code for erection of concrete framed structures.

1.9 Non Compliance of Safety and Health Provisions

The Compliance of the Safety and Health provisions is of utmost important to the Client. The prospective contractors must note that the client will take a serious view of any non-compliance report of Safety Committee. Based on Safety Committee's report, the Client has right to order stoppage of work till rectification is carried out to the satisfaction of the Safety Committee and all stoppages on this account will be at the entire risk, costs and consequences of the Contractors.

2.0 . SAFETY AND HOUSE KEEPING

Site premises must be kept neat & clean always form construction debris, dust. Construction materials/shuttering materials should be stacked or stored at place identified by the client/PMCs, & must not be scattered at site. Proper sanitary facilities like toilets, W/C to be provided as per standard requirements based on the no. of workers working at site with proper water facilities.

3.0 PERSONAL PROTECTION

Workers are often reluctant to use protection equipment. Such items not only be suitable for their purpose but also be as conformable as possible and acceptable to the workers concerned. Only then can efforts to ensure that equipment is worn or used prove successful.

All necessary personal safety equipment as considered adequate by the Engineer In-Charge/PMC / Client shall be available for use of persons employed on the site and maintained in a condition suitable for immediate use; and the contractor shall take adequate steps to ensure proper use of equipment by those concerned.

Workers employed on mixing asphalt materials, cement and lime mortars / concrete shall be provided with protective footwear and protective gloves.

Those engaged in handling any material that is injurious to eyes shall be provided with protective goggles.

Those engaged in welding works shall be provided with welder's protective eye-shields.

When Stone workers are employed in sewers and manholes, which are in use, the contractor shall ensure that man - holes cover are opened and manholes are ventilated at least for an hour before workers are allowed to get into them. Manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to public.

Proper electrical cable /cord management to be ensured to conduct power for construction through correctly sized electrical cables. Boards housing battery of sockets to be provided at suitable locations for supplying power to construction tools. All sockets to be controlled by individual switches. Connection to power tools shall be through proper plugs, naked wires shall not be inserted in to sockets directly.

Electrical cables shall be properly slung from posts at appropriate heights above vehicular heights. The posts shall be rigidly embedded in to the natural ground.

Hand gloves and shoes .All constructional personnel to wear safety helmets, rubber hand gloves and safety shoes. This rule is mandatory.

Construction equipment.

The operation of construction equipment to be regulated as follows:

Erection of proper cautionary signs.

Avoiding lifts over areas where man power are deployed.

Ejecting equipment exhaust at higher levels.

Proper ground engineering control.

4.0 BARRICADES

i) Contractor shall erect and maintain barricades required in connection with his operation to guard or protect.

a) Hoisting Areas

b) Areas adjudged hazardous by contractors or OWNER/PMCs Inspectors.

c) Owner's existing property subject to damage by Contractor's operations.

ii) Contractor's employees and those of his subcontractor shall become acquainted with OWNER/PMCs barricading practice and shall respect the provisions thereof.

5.0 Guarding of Floor Openings and Floor Holes

5.01 Every temporary floor opening shall have railings, or shall be constantly attended by someone. Every floor hole into which persons can accidentally fall shall be guarded by either:

a) a railing to board on all exposed sides, or

b) a floor hole cover of adequate strength and it should be hinged in place. When the cover is not in place, the floor hole shall be constantly attended by someone or shall be protected by a removable railing.

5.02 A railing on all exposed sides shall guard every stairway floor opening, except at entrance to stairway. Every ladder way floor opening or platform shall be guarded by a guard railing with toe board on all exposed side (except at entrance to opening), with the passage through the railing either provided with a swinging gate or so offset that a person cannot walk directly into the opening.

6. Guarding of Open-side Floors and Platform

A railing (or the equivalent) shall guard every open-sided floor or platform 120cm or more above adjacent floor or ground level or all open sides, except where there is entrance to the ramp, stairway, or fixed ladder. The railing shall be provided with a toe board beneath the open sides wherever.

a) Persons may pass;

b) There is moving machinery; or

c) There is equipment with which falling materials could create a hazard.

SRI SATHYA SAI CENTRAL TRUST, PRASANTHI NILAYAM

List of Documents to be submitted by the Bidder along with Technical Bid in a sealed cover

NAME OF THE BIDDER:

- 1.Name:
2. Address:
3. Email:
- 4.Name of Authorized Person
5. Contact Phone Number
- 6.EMD payment details (attach deposit receipt)
- 7.Tender cost payment details (attach deposit receipt)

Sl No	List of the Documents (Duly attested by the Authorized person on all the documents)
1	Tender Document duly signed & with seal on all pages by the Authorized Signatory
2	Status of the Bidder - Proprietary / Partnership Firm / etc. submit documentary evidence.
3	Copy of Resolution authorizing the Bidder to Sign the Bid Documents
4	PAN of the Establishment
5	GST Registration Certificate
6	Authorized Person PAN And AADHAAR*
7	Details of the Key Person and experience.*
8	Copies of Income Tax returns filed and Assessment orders for the last three financial years. Financial statements for last three financial years *
9	Bidder's Bank Details

All the above documents are must for the bid to be considered as valid

BILL OF QUANTITIES

CONSTRUCTION OF PROPOSED DORMITORY & DEVOTEES BLOCK AT PRASHANTINILAYAM PUTTAPARTHY. AP.**BLOCK - A BILL OF QUANTITY**

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
1.00	SITE MIX CONCRETE				
	PLAIN CEMENT CONCRETE (including form work)				
	SITE MIX CONCRETE (SMC) / BATCHING PLANT CONCRETE				
	Notes:				
a)	Plant mixed design mix concrete or Ready mixed concrete/machine mixed of specified grade from batching plant installed at site should be adopted for column footings, columns, roof beams, slabs, staircases etc.				
b)	Steel required for reinforcement is measured and paid for separately.				
c)	The rate include all tools & plants,manpower, placing concrete vibrating, curing ,curing cloth/hessian cloth scaffolding all leads & Lift,at all levels & shapes etc to complete the work without any extra cost & to the satisfaction of Engineer incharge.				
d)	Immediately after centring is removed, the under-side of beams & slabs, sides of columns and other RC surfaces shall be roughened by hacking, to receive plaster. Plastering will be measured and paid for separately.				
1.03	P.C.C 1:2:4				
	Providing and Laying at all levels PCC 1:2:4 using 20mm graded stone aggregate including the cost of centring, shuttering, scaffolding & curing, etc, complete, as per standard specifications /				
a)	Window & Ventilator Sills	Cum	20		
b)	Parapet Coping	Cum	25		
c)	Above sunken filling	Cum	30		
1.04	DAMP PROOF COURSE				
	Providing and Laying in position 100mm thick Damp Proof Course with cement concrete 1:3:6 using 20mm size stone aggregate, including mixing of waterproofing admixture of Sika / Fosroc / MC Bauchemie / Roffe or approved equivalent, compaction, formwork, curing, etc, complete, as per manufacturer's specifications and as directed by engineer-in-charge. (as per IS 2645).	Sqm	5		
1.05	SCREED CONCRETE				
	Providing & laying 50mm thick Screed Concrete to act as a base for flooring, etc, with 1:2:4 grade concrete with 12mm and down size metal including laying, compacting, curing etc., complete as per standard specifications / approved drawings and as directed by engineer-in-charge.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete.	Sqm	10		
1.06	GRANOLITHIC FLOORING				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Providing & laying 75mm thick Granolithic Flooring laid in alternate panels of size 3m x 3m, consisting of 50mm thick 1:2:4 mix concrete (20mm down aggregate) and 25mm topping with 1:1.5 granolithic mix base (1 cement: 1.5 parts granite chips with 10mm and down) with Power Float finish, including preparation of base surface, fibrelated fibre mesh admixture as per manufacturer's specification, laying in panels, 4mm thick glass/aluminum strip at panel joints, side forms as required, consolidating, curing etc. complete, as per standard specifications / approved drawings and as directed by engineer-in-charge.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete.	Sqm	20		
	SUB TOTAL - PLAIN CEMENT CONCRETE-SITEMIX CONCRETE - A				
B	STEEL((TMT Steel Supplied by Clients free of cost))				
	Labour Charges for Fabricating & fixing in position reinforcement for RCC work with high yield strength ribbed cold twisted tor steel (HSD) bar of various diameters and grade of steel as specified below conforming to IS specification including cutting, providing, supplying & bending, hoisting, fabricating and placing in position according to drawings and binding the reinforcement with galvanised annealed binding wire of double fold of 18 gauge and providing PVC cover blocks for placing the reinforcements in position and for maintaining the cover specified and/or according to relevant IS.				
	Note : Unless noted otherwise the measurements in accordance with IS 1200. However reinforcement shall be measured only in lengths of bars as actually placed in position on standard weight basis, no allowance being made in the weight for rolling margin. Authorized laps and splices only will be measured. Chairs of any shape & profile, Spacer bar of any shape & profile, cover block, wastage and binding wire will not be measured and shall be included in the quoted rates. Quoted rate shall be deemed to have considered the above stipulation. Quoted rate to include lead, lift, placing at all levels and as directed.TMT Bars supplied by clients free cost. Reconciliation to be submitted by contractor time to time as per contract				
i	FE 500 Reinforcement	MT	12		
ii	Mild Steel	MT	Rate Only		
iii	M.S. INSERTS				
	Supplying and Fixing M.S. Inserts in Concrete at all levels with anchors in the form of rods, plates, angles, flats, etc, complete, as per standard specifications / approved detailed drawings and as directed by engineer-in-charge.The rates include cost materials etc complete	Kgs	150		
	SUB TOTAL - STEEL(Supplied by Clients free of cost)) - B				
C	MASONRY WORK				
	SOLID CONCRETE BLOCK MASONRY				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
A	Providing, Supplying and Constructing Solid Concrete Block Masonry Wall (minimum compressive strength of 40 Kg/Sqcm) in cement mortar 1:6 (1 cement: 6 coarse sand) of consolidated 10mm thick with necessary scaffolding, curing, racking of joints, leads & lifts to required distance & all height, shapes etc., complete, as per standard specifications / approved drawings and as directed by engineer-in-charge.				
1.01	Size of 400mm x 200mm x 200mm(8" thick)				
a	Basement	Sqm	425		
b	Ground floor	Sqm	550		
c	First floor	Sqm	600		
d	Second floor	Sqm	600		
e	Third floor	Sqm	600		
f	Fourth floor	Sqm	600		
g	Terrace (Head room walls & Parapets)	Sqm	625		
h	Compound wall	Cum	70		
	Providing and Constructing Solid Concrete Block Masonry wall (minimum compressive strength of 40 Kg/Sqcm) in cement mortar 1:4 (1 cement: 4 sand) of consolidated 10mm thick with necessary scaffolding, curing, racking of joints, leads & lifts to required distance & height. Rate to include for providing 100mm wide Arpitha GI plaster Mesh at every 5th course, etc., complete as per standard specifications / approved drawings and as directed by the engineer-in-charge.				
1.02	Size of 400mm x 100mm x 200mm(4" thick)	Sqm			
a	Basement	Sqm	10		
b	Ground floor	Sqm	450		
c	First floor	Sqm	450		
d	Second floor	Sqm	450		
e	Third floor	Sqm	450		
f	Fourth floor	Sqm	450		
g	Terrace	Sqm	35		
1.03	Size of 400mm x 150mm x 200mm (6" thick)				
a	Basement	Sqm	100		
b	Ground floor	Sqm	360		
c	First floor	Sqm	300		
d	Second floor	Sqm	300		
e	Third floor	Sqm	300		
f	Fourth floor	Sqm	300		
g	Terrace	Sqm	25		
	BRICK WORK MASONRY				
1.04	Providing and Constructing 230mm thick Burnt Brick Masonry with approved best quality first class nominal size table moulded bricks of minimum crushing strength of 50 kgs/sqcm, in cement mortar 1:6 of minimum 8mm thickness, including scaffolding, raking out joints, curing etc., complete, at all levels, elevations and heights as per the standard specifications / approved drawings and as directed by engineer-in-charge. Bricks shall be immersed in water for not less than 6 hours immediately before construction.				
a	Basement	Sqm	Rate only		
b	Ground floor	Sqm	Rate only		
c	First floor	Sqm	Rate only		
d	Second floor	Sqm	Rate only		
e	Third floor	Sqm	Rate only		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
f	Fourth floor	Sqm	Rate only		
g	Terrace	Sqm	Rate only		
1.05	Providing and Constructing 115mm thick Burnt Brick Masonry (including ledge walls) with approved best quality first class nominal size table moulded bricks of minimum crushing strength of 50 kgs/sqcm, in cement mortar 1:4 of minimum 8mm thickness, including scaffolding, raking out joints, curing etc., complete, at all levels, elevations and heights as per standard specifications / approved drawings and as directed by engineer-in-charge. Rate to include for providing 100mm wide Arpitha GI plaster mesh at every 5th course. Brick shall be immersed in water for not less than 6 hours immediately before construction.				
a	Basement	Sqm	Rate only		
b	Ground floor	Sqm	Rate only		
c	First floor	Sqm	Rate only		
d	Second floor	Sqm	Rate only		
e	Third floor	Sqm	Rate only		
f	Fourth floor	Sqm	Rate only		
g	Terrace	Sqm	Rate only		
1.1	Perforated Clay Bricks/ Porotherm Only Porotherm clay/wienerberger clay Block all sizes including iali				
	A detail method statement to be submitted				
	A dedicated team to be deployed to clean the joint mortars immediately after laying as to avoid absorption of cement water form mortar by blocks and grey colouration of blocks at joints.				
1.07	Placing and construction of masonry 200 mm thickness with Horizontal Perforated Clay Bricks of size 400 x 200x 200mm similar to POROTHERM with minimum compressive strength of 3.5 N/mm ² , maximum water absorption of 15% and having bulk dry density not less than 700-800 kg/m ³ , in cement mortar of ratio 1:6,(1Cement : 6 Sand) by striking & raking out joints. Rate includes cost of all materials, formwork, scaffolding, curing, labor, hire charges of machineries, with all leads & lift at all levels, complete as per drawings, As per manufacturer specifications and direction by the Engineer. the rates excluding cost of reinforcement,separately measured & payable. Note: 1. The clay bricks shall conform to IS 3952-2013. 2. Suitable Perforated closed-end bricks with minimum compressive strength of 7.0N/mm ² to be used at all open ends (Doors, Windows, Wall junctions) etc. The weinerberger blocks to be protected by exterior acrylic chemical based clear coating, complete as per the manufacturer's guideline.(Single coat application of = 80-100 Sft per Kg). Stiffness:Stiffening When adhered to maximum heights there is no need for further stiffening such as continuous sill or lintel band. Only 100 mm thick walls shall have sill and/or lintel bands.				
a	Basement	Sqm	Rate Only		
b	Ground floor	Sqm	Rate Only		
c	First floor	Sqm	Rate Only		
d	Second floor	Sqm	Rate Only		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
e	Third floor	Sqm	Rate Only		
f	Fourth floor	Sqm	Rate Only		
g	Terrace	Sqm	Rate Only		
1.08	Item same as specification above, but with Fully Bodied (FB) 200mm thick porotherm blocks				
a	Basement	Sqm	Rate Only		
b	Ground floor	Sqm	Rate Only		
c	First floor	Sqm	Rate Only		
d	Second floor	Sqm	Rate Only		
e	Third floor	Sqm	Rate Only		
f	Fourth floor	Sqm	Rate Only		
g	Fifth floor	Sqm	Rate Only		
h	Terrace	Sqm	Rate Only		
1.09	150mm Thick Porotherm Blocks Placing and construction of masonry 150 mm thickness with Horizontal Perforated Clay Bricks of size 400 x 150 x 200mm similar to POROTHERM with minimum compressive strength of 3.5 N/mm ² , maximum water absorption of 15% and having bulk dry density not less than 700-800 kg/m ³ , in cement mortar of ratio 1:6,(1Cement : 6 Sand) by striking & raking out joints. Rate includes cost of all materials, formwork, scaffolding, curing, labor, hire charges of machineries, with all leads & lift at all levels, complete as per drawings, specifications and direction by the Engineer. Note: 1. The clay bricks shall conform to IS 3952-2013. 2. Suitable Perforated closed end bricks with minimum compressive strength of 7.0N/mm ² to be used at all open ends (Doors, Windows, Wall junctions) etc.				
a	Basement	Sqm			
b	Ground floor	Sqm			
c	First floor	Sqm			
d	Second floor	Sqm			
e	Third floor	Sqm			
f	Fourth floor	Sqm			
g	Terrace	Sqm			
1.10	Item same as specification above, but with Fully Bodied (FB) 150mm thick porotherm blocks				
a	Basement	Sqm			
b	Ground floor	Sqm			
c	First floor	Sqm			
d	Second floor	Sqm			
e	Third floor	Sqm			
f	Fourth floor	Sqm			
g	Fifth floor	Sqm			
h	Terrace	Sqm			
1.11	Jali Works				
1.12	75mm thick Terracotta Jali Works				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Placing and construction a Terracotta Jali wall of 75mm thickness, the clay jali shall be of first quality, the works include bedding, jointing, reinforcing with 6mm dia steel rods every 3 course and pointing in cement mortar CM 1:4 (where applicable), width of joints not exceeding 10mm and striking and raking out joints with all lead, lift and depth including scaffolding, working platform, as per specifications ,finishing, cutting, curing and such other works that are required to make it complete at all floors & heights and works shall be as per specification and as directed by the Engineer.				
a	Basement	Sqm	-		
b	Ground floor	Sqm	30		
c	First floor	Sqm	30		
d	Second floor	Sqm	30		
e	Third floor	Sqm	30		
f	Fourth floor	Sqm	30		
g	Terrace	Sqm	-		
1.13	Providing and constructing Random Rubble stone masonry in CM (1:8) prop:(Screened sand) using hard granite stones carted from approved quarry including cost and conveyance of all materials like cement, screened sand, water, stones etc., The rates including pointing wherever necessary and including seigniorage charges, sales & other taxes on all materials including labour for cutting stones to required size and shape, mixing, of cement, mortar, construction, curing etc.,and overheads & contractors profit complete for finished item of work in foundation and basement. (APSS No. 601 & 615)	Cum	28		
	SUB TOTAL - MASONRY WORK - C				
D	PLASTERING WORKS (inclusive all etc)				
a)	The ingredients of plastering should be machine mixed.				
b)	Internal/ External plastering to RC surfaces like columns, beams, lintels etc. which merge in line with the masonry surfaces will be measured under plastering to masonry surfaces.				
c)	The quoted rate shall include for Hacking the concrete surfaces making grooves at the junctions of concrete & masonry, door/ window junctions with masonry/ concrete, providing & fixing of Arpitha GI plaster mesh at junctions of masonry & concrete surfaces, door/ window junctions with masonry/				
d)	The rates includes all materials cement sand curing at all levels shapes,scaffolding etc complete				
1.01	INTERNAL WALL PLASTERING				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Providing 12mm thick Plastering for Internal RC Walls, Columns, Masonry Walls, etc., in cement mortar 1:6 (1 cement : 6 fine sand), finishing to line and level with lime rendering finished smooth, at all levels & heights, including all leads and lifts, hydrating the lime 24 hours before starting of work, scaffolding, curing, etc., complete, as per standard specifications / approved drawings and as directed by engineer-in-charge. Mesh will be provided at wall & beam junction, column & wall junction, etc, complete. Rate to include for base preparation & applying a coat of cement slurry @ 2.5 kg/sqm, mesh supply & fixing, platering grooves, if required as per the approved drawings / as directed by engineer-in-charge. (For Internal Surfaces)				
a	Basement	Sqm	950		
b	Ground floor	Sqm	3,350		
c	First floor	Sqm	3,350		
d	Second floor	Sqm	3,250		
e	Third floor	Sqm	3,250		
f	Fourth floor	Sqm	3,250		
g	Terrace	Sqm	250		
1.02	CEILING PLASTERING				
	Providing 12mm thick Plastering to Ceilings, in cement mortar 1:3, finishing to line and level with lime rendering finished smooth, at all levels & heights, including all leads and lifts of materials, hydrating the lime 24 hours before starting of work, scaffolding, curing, etc., complete, as per standard specifications / approved drawings and as directed by engineer-in-charge.				
a	Basement	Sqm	Rate Only		
b	Ground floor	Sqm	Rate Only		
c	First floor	Sqm	Rate Only		
d	Second floor	Sqm	Rate Only		
e	Third floor	Sqm	Rate Only		
f	Fourth floor	Sqm	Rate Only		
g	Terrace	Sqm	Rate Only		
1.03	Sponge Face Finish Plaster				
	Providing 12mm thick Plastering to Ceilings, in cement mortar 1:3, finishing to line and level with lime rendering, at all levels & heights, including all leads and lifts of materials, hydrating the lime 24 hours before starting of work, scaffolding, curing, etc., complete. Rate to include for providing Sponge Face Finish, etc, complete as per standard specifications / approved drawings and as directed by engineer-in-charge. (For Exterior Ceiling)	Sqm	Rate Only		
1.04	EXTERNAL / ROUGH PLASTERING				
i	Sponge Face Finish Plaster with WPC (For Exterior Surfaces)				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Providing Plastering for External Surfaces with base coat of 15mm thick in cement mortar 1:5 with water proofing compound of "CICO No.1" or approved equivalent as per manufacturer's specification and finishing coat of 10mm thick in cement mortar 1:3 after roughening the surface of first coat in green condition with wire brush and clearing of loose particles with sponge face finish (washed sand finish), etc, complete, as per standard specifications / approved drawings and as directed by engineer-in-charge. Arpitha GI Plaster Mesh will be provided at wall & beam junction, column & wall junction, etc, complete as per standard specifications / approved drawings and as directed by engineer-in-charge. Rate shall include for providing drip bands / moulds / grooves to any size and shape as directed by the engineer-in-charge. (For All Exterior Surfaces)	Sqm	5,500		
ii	Sponge face finish plaster (for internal surfaces)	Sqm	600		
iii	Sponge face finish plaster with WPC (for exterior surfaces)	Sqm	500		
1.04	Providing Waterproof Plastering for Retaining Walls(internal/external) with a base coat of 15mm thick in cement mortar 1:4 (1 cement : 4 coarse sand), mixed with water proofing compound (2% integral water proofing compound conplast WP 90 powder or any approved equivalent) and a finishing coat of 10mm thick in cement mortar 1:3 after roughening the surface of first coat, as per manufacturer's specification, proprietary water proofing compound confirming to IS:2645. Rate to include for base preparation and application of a coat of cement slurry @ 2.5 kg/sqm as per standard specifications / approved drawings and as directed by engineer-in-charge.	Sqm	100		
1.05	STUCCO PLASTERING				
	Providing and Applying 7mm thick Stucco Plastering in the external plastering area or wherever specified by using spray machine and 4mm screened sand mixed with CM in proportion of 1:1 by using OPC including curing, scaffolding, etc, complete, as per standard specifications / approved drawings and as directed by engineer-in-charge. Rate to include two coats of top finish with Terolin to match with the other external surface paint, etc, complete.	Sqm	Rate Only		
1.06	ROUGH PLASTERING				
	Providing rough cement plastering 12mm thick in single coat with cement mortar 1:4, to brick masonry for base of Toilet dadooding works/any other areas with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing with all lead & lifts etc., complete as per specifications and as directed by the Architect / Engineer in Charge.	Sqm	500		
1.07	Providing & Making of Drip Moulds of size 25 x 15mm in CM1:4 at bottom of chajjas and beams/wherever required as per drawing & as directed by Engineer incharge.	Rmt	100		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
1.08	Providing ,Making & Finishing architectural cornices, bands, designs etc., in CM 1:4 at all levels/shapes etc as per drawing complete in the external plastering area & as directed by Engineer incharge.	Rmt	Rate Only		
	SUB TOTAL - PLASTERING WORKS-D				
E	MISCELLANEOUS WORK				
1.01	Labour charges for removal of loose particals/morter/forign materials etc.by using wire brush for concrete roof slabs & beams including soffits & joining/intersection of concrete members.Further grinding for the above surfaces by using horijantal hand grinding machine/power tools etc by rotataroy /horijantal /vertical suraces up to 4 mm to 6 mm depth with neat finishes etc complete as satisfaction of inginner in charge.The rates including all tools & plants,staging/scaffolding etc complete.				
		Sqm	10,500		
1.02	Labour charges for removal of loose particals/morter/other forign materials etc .by using wire brush/chisel & brooming the concrete floor slabs with neat finishes etc complete as satisfaction of inginner in charge.The rates including all tools & plants etc complete.	Sqm	9,000		
1.03	Labour supply				
i	Mason	day	10		
	Male coolie	day	10		
	Female coolie	day	15		
ii	Carpenter	day	10		
	Helper- Male coolie	day	10		
iii	Bar bender	day	10		
	Helper- Male coolie	day	10		
iii	Welder	day	5		
	Helper- Male coolie	day	5		
	SUB TOTAL - MISCELLANEOUS WORK - E				
	GRAND TOTAL				

CONSTRUCTIONS OF CIVIL FINISHING WORKS OF DORMITORIES CUM ROOMS BLOCK AT PRASANTHI NILAYAM					
BLOCK B BILL OF QUANTITY					
Sl. No.	Particulars	Unit	Qty.	Rate	Amount
1.00	SITE MIX CONCRETE				
	PLAIN CEMENT CONCRETE (including form work)				
	SITE MIX CONCRETE (SMC) / BATCHING PLANT CONCRETE				
	Notes:				
a)	Plant mixed design mix concrete or Ready mixed concrete/machine mixed of specified grade from batching plant installed at site should be adopted for column footings, columns, roof beams, slabs, staircases etc.				
b)	Steel required for reinforcement is measured and paid for separately.				
c)	The rate include all tools & plants, manpower, placing concrete vibrating, curing, curing cloth/hessain cloth scaffolding all leads & Lift, at all levels & shapes etc to complete the work without any extra cost & to the satisfaction of Engineer incharge.				
d)	Immediately after centring is removed, the under-side of beams & slabs, sides of columns and other RC surfaces shall be roughened by hacking, to receive plaster. Plastering will be measured and paid for separately.				
1.00	P.C.C 1:2:4				
	Providing and Laying at all levels PCC 1:2:4 using 20mm graded stone aggregate including the cost of cement, centring, shuttering, scaffolding & curing, etc, complete, as per standard specifications / approved drawings and as directed by engineer-in-charge.				
1.01	Window & Ventilator Sills	Cum	20.00		
1.02	Parapet Coping	Cum	25.00		
1.03	Above sunken filling	Cum	30.00		
1.04	DAMP PROOF COURSE				
	Providing and Laying in position 100mm thick Damp Proof Course with cement concrete 1:3:6 using 20mm size stone aggregate, including mixing of waterproofing admixture of Sika / Fosroc / MC Bauchemie / Roffe or approved equivalent, compaction, formwork, curing, etc, complete, as per manufacturer's specifications and as directed by engineer-in-charge. (as per IS 2645).	Cum	10.00		
1.05	SCREED CONCRETE(RMC)				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Labour Charges for laying 50mm thick Screed Concrete to act as a base for flooring, etc, with 1:2:4 grade concrete with 12mm and down size metal including laying, compacting, curing etc., complete as per standard specifications / approved drawings and as directed by engineer-in-charge.	Sqm	25.00		
1.06	GRANOLITHIC FLOORING(RMC)				
	Labour Charges for laying 75mm thick Granolithic Flooring laid in alternate panels of size 3m x 3m, consisting of 50mm thick 1:2:4 mix concrete (20mm down aggregate) and 25mm topping with 1:1.5 granolithic mix base (1 cement: 1.5 parts granite chips with 10mm and down) with Power Float finish, including preparation of base surface, fibrelated fibre mesh admixture as per manufacturer's specification, laying in panels, 4mm thick glass/aluminum strip at panel joints, side forms as required, consolidating, curing etc. complete, as per standard specifications / approved drawings and as directed by engineer-in-charge.	Sqm	30.00		
	SUB TOTAL - PLAIN CEMENT CONCRETE-SITE MIX CONCRETE - A				
B	STEEL(TMT Steel Supplied by Clients free of cost))				
	Labour Charges for Fabricating & fixing in position reinforcement for RCC work with high yield strength ribbed cold twisted tor steel (HSD) bar of various diameters and grade of steel as specified below conforming to IS specification including cutting, providing, supplying & bending, hoisting, fabricating and placing in position according to drawings and binding the reinforcement with galvanised annealed binding wire of double fold of 18 gauge and providing PVC cover blocks for placing the reinforcements in position and for maintaining the cover specified and/or according to relevant IS.				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Note : Unless noted otherwise the measurements in accordance with IS 1200. However reinforcement shall be measured only in lengths of bars as actually placed in position on standard weight basis, no allowance being made in the weight for rolling margin. Authorized laps and splices only will be measured. Chairs of any shape & profile, Spacer bar of any shape & profile, cover block, wastage and binding wire will not be measured and shall be included in the quoted rates. Quoted rate shall be deemed to have considered the above stipulation. Quoted rate to include lead, lift, placing at all levels and as directed.TMT Bars supplied by clients free cost. Reconciliation to be submitted by contractor time to time as per contract				
1.01	FE 500 Reinforcement	MT	12.00		
1.02	Mild Steel	MT	Rate Only		
1.03	M.S. INSERTS				
	Supplying and Fixing M.S. Inserts in Concrete at all levels with anchors in the form of rods, plates, angles, flats, etc, complete, as per standard specifications / approved detailed drawings and as directed by engineer-in-charge.The rates include cost materials etc complete	Kgs	150.00		
	SUB TOTAL - STEEL(Supplied by Clients free of cost)) -B				
C	MASONRY WORK				
	SOLID CONCRETE BLOCK MASONRY				
A	Providing,Supplying and Constructing Solid Concrete Block Masonry Wall (minimum compressive strength of 40 Kg/Sqcm) in cement mortar 1:6 (1 cement: 6 coarse sand) of consolidated 10mm thick with necessary scaffolding, curing, racking of joints, leads & lifts to required distance & all height,shapes etc., complete, as per standard specifications / approved drawings and as directed by engineer-in-charge.				
1.01	Size of 400mm x 200mm x 200mm(8" thick)				
a	Basement	Sqm	860.00		
b	Ground floor	Sqm	550.00		
c	First floor	Sqm	660.00		
d	Second floor	Sqm	660.00		
e	Third floor	Sqm	660.00		
f	Fourth floor	Sqm	660.00		
g	Terrace	Sqm	660.00		
h	Compound wall	Sqm	575.00		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
B	Providing and Constructing Solid Concrete Block Masonry wall (minimum compressive strength of 40 Kg/Sqcm) in cement mortar 1:4 (1 cement: 4 sand) of consolidated 10mm thick with necessary scaffolding, curing, racking of joints, leads & lifts to required distance & height. Rate to include for providing 100mm wide Arpitha GI plaster Mesh at every 5th course, etc., complete as per standard specifications / approved drawings and as directed by the engineer-in-charge.				
1.01	Size of 400mm x 100mm x 200mm(4" thick)	Sqm			
a	Basement	Sqm	10.00		
b	Ground floor	Sqm	450.00		
c	First floor	Sqm	450.00		
d	Second floor	Sqm	450.00		
e	Third floor	Sqm	450.00		
f	Fourth floor	Sqm	450.00		
g	Terrace	Sqm	30.00		
1.02	Size of 400mm x 150mm x 200mm (6" thick)				
a	Basement	Sqm	450.00		
b	Ground floor	Sqm	230.00		
c	First floor	Sqm	325.00		
d	Second floor	Sqm	325.00		
e	Third floor	Sqm	325.00		
f	Fourth floor	Sqm	325.00		
g	Terrace	Sqm	50.00		
1.03	BRICK WORK MASONRY				
1.04	Providing and Constructing 230mm thick Burnt Brick Masonry with approved best quality first class nominal size table moulded bricks of minimum crushing strength of 50 kgs/sqcm, in cement mortar 1:6 of minimum 8mm thickness, including scaffolding, raking out joints, curing etc., complete, at all levels, elevations and heights as per the standard specifications / approved drawings and as directed by engineer-in-charge. Bricks shall be immersed in water for not less than 6 hours immediately before construction.				
a	Basement	Sqm	Rate only		
b	Ground floor	Sqm	Rate only		
c	First floor	Sqm	Rate only		
d	Second floor	Sqm	Rate only		
e	Third floor	Sqm	Rate only		
f	Fourth floor	Sqm	Rate only		
g	Terrace	Sqm	Rate only		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
1.05	Providing and Constructing 115mm thick Burnt Brick Masonry (including ledge walls) with approved best quality first class nominal size table moulded bricks of minimum crushing strength of 50 kgs/sqcm, in cement mortar 1:4 of minimum 8mm thickness, including scaffolding, raking out joints, curing etc., complete, at all levels, elevations and heights as per standard specifications / approved drawings and as directed by engineer-in-charge. Rate to include for providing 100mm wide Arpitha GI plaster mesh at every 5th course. Brick shall be immersed in water for not less than 6 hours immediately before construction.				
a	Basement	Sqm	Rate only		
b	Ground floor	Sqm	Rate only		
c	First floor	Sqm	Rate only		
d	Second floor	Sqm	Rate only		
e	Third floor	Sqm	Rate only		
f	Fourth floor	Sqm	Rate only		
g	Terrace	Sqm	Rate only		
1.06	Perforated Clay Bricks/ Porotherm Only Porotherm clay/wienerberger clay Block all sizes A detail method statement to be submitted				
	A dedicated team to be deployed to clean the joint mortars immediately after laying as to avoid absorption of cement water form mortar by blocks and grey colouration of blocks at joints.				
1.07	Placing and construction of masonry 200 mm thickness with Horizontal Perforated Clay Bricks of size 400 x 200x 200mm similar to POROTHERM with minimum compressive strength of 3.5 N/mm ² , maximum water absorption of 15% and having bulk dry density not less than 700-800 kg/m ³ , in cement mortar of ratio 1:6,(1Cement : 6 Sand) by striking & raking out joints. Rate includes cost of all materials, formwork, scaffolding, curing, labor, hire charges of machineries, with all leads & lift at all levels, complete as per drawings, As per manufacturer specifications and direction by the Engineer. the rates excluding cost of reinforcement,separately measured & payable. Note: 1. The clay bricks shall conform to IS 3952-2013. 2. Suitable Perforated closed-end bricks with minimum compressive strength of 7.0N/mm ² to be used at all open ends (Doors, Windows, Wall junctions) etc. The weinerberger blocks to be protected by exterior acrylic chemical based clear coating, complete as per the manufacturer's guideline (Single coat application of = 80-100 Sft per				
a	Basement	Sqm	Rate Only		
b	Ground floor	Sqm	Rate Only		
c	First floor	Sqm	Rate Only		
d	Second floor	Sqm	Rate Only		
e	Third floor	Sqm	Rate Only		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
f	Fourth floor	Sqm	Rate Only		
g	Terrace	Sqm	Rate Only		
1.08	Item same as specification above, but with Fully Bodied (FB) 200mm thick porotherm blocks				
a	Basement	Sqm	Rate Only		
b	Ground floor	Sqm	Rate Only		
c	First floor	Sqm	Rate Only		
d	Second floor	Sqm	Rate Only		
e	Third floor	Sqm	Rate Only		
f	Fourth floor	Sqm	Rate Only		
g	Fifth floor	Sqm	Rate Only		
h	Terrace	Sqm	Rate Only		
1.09	150mm Thick Porotherm Blocks				
	Placing and construction of masonry 150 mm thickness with Horizontal Perforated Clay Bricks of size 400 x 150 x 200mm similar to POROTHERM with minimum compressive strength of 3.5 N/mm ² , maximum water absorption of 15% and having bulk dry density not less than 700-800 kg/m ³ , in cement mortar of ratio 1:6,(1Cement : 6 Sand) by striking & raking out joints. Rate includes cost of all materials, formwork, scaffolding, curing, labor, hire charges of machineries, with all leads & lift at all levels, complete as per drawings, specifications and direction by the Engineer. Note: 1. The clay bricks shall conform to IS 3952-2013. 2. Suitable Perforated closed end bricks with minimum compressive strength of 7.0N/mm ² to be used at all open ends (Doors, Windows, Wall junctions) etc. 3. The number and position of stiffeners (8mm dia rods) shall be as per manufacturers specification/ recommendation				
a	Basement	Sqm			
b	Ground floor	Sqm			
c	First floor	Sqm			
d	Second floor	Sqm			
e	Third floor	Sqm			
f	Fourth floor	Sqm			
g	Terrace	Sqm			
1.10	Item same as specification above, but with Fully Bodied (FB) 150mm thick porotherm blocks				
a	Basement	Sqm			
b	Ground floor	Sqm			
c	First floor	Sqm			
d	Second floor	Sqm			
e	Third floor	Sqm			
f	Fourth floor	Sqm			
g	Fifth floor	Sqm			
h	Terrace	Sqm			
2.00	Jali Works				
2.01	75mm thick Terracotta Jali Works				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Providing & Constructing Terracotta Jali wall of 75mm thickness, the clay jali shall be of first quality, the works include bedding, jointing, reinforcing with 6mm dia steel rods every 3 course and pointing in cement mortar CM 1:4 (where applicable), width of joints not exceeding 10mm and striking and raking out joints with all lead, lift and depth including scaffolding, working platform, as per specifications ,finishing, cutting, curing and such other works that are required to make it complete at all floors & heights and works shall be as per specification and as directed by the Engineer.				
a	Basement	Sqm	-		
b	Ground floor	Sqm	30.00		
c	First floor	Sqm	30.00		
d	Second floor	Sqm	30.00		
e	Third floor	Sqm	30.00		
f	Fourth floor	Sqm	30.00		
g	Terrace	Sqm	-		
3.00	Providing and constructing Random Rubble stone masonry in CM (1:8) prop:(Screened sand) using hard granite stones carted from approved quarry including cost and conveyance of all materials like cement, screened sand, water, stones etc., The rates including pointing wherever necessary and including seigniorage charges, sales & other taxes on all materials including labour for cutting stones to required size and shape, mixing, of cement, mortar, construction, curing etc.,and overheads & contractors profit complete for finished item of work in foundation and basement. (APSS No. 601 & 615)	Cum	55.00		
	SUB TOTAL - MASONRY WORK - C				
D	PLASTERING WORKS (inclusive all etc)				
a)	The ingredients of plastering should be machine mixed.				
b)	Internal/ External plastering to RC surfaces like columns, beams, lintels etc. which merge in line with the masonry surfaces will be measured under plastering to masonry surfaces.				
c)	The quoted rate shall include for making grooves at the junctions of concrete & masonry, door/ window junctions with masonry/ concrete, providing & fixing of GI plaster mesh at junctions of masonry & concrete surfaces, door/ window junctions with masonry/				
d)	The rates includes all materials cement sand curing at all levels shapes,scaffolding etc complete				
1.01	INTERNAL WALL PLASTERING				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Providing 12 mm thick Plastering for Internal RC Walls, Columns, Masonry Walls, etc., in cement mortar 1:6 (1 cement : 6 fine sand), finishing to line and level with lime rendering finished smooth, at all levels & heights, including all leads and lifts, hydrating the lime 24 hours before starting of work, scaffolding, curing, etc., complete, as per standard specifications / approved drawings and as directed by engineer-in-charge, GI mesh of make Arpitha or equivalent of varying widths and nominal thickness as per context as specified in technical specifications and Indian Standards shall be provided at wall & beam junction, column & wall junction, etc, complete. Rate to include for base preparation & applying a coat of cement slurry @ 2.5 kg/sqm, mesh supply & fixing, platering grooves, if required as per the approved drawings / as directed by engineer-in-charge. (For Internal Surfaces)				
a	Basement	Sqm	2,650.00		
b	Ground floor	Sqm	3,350.00		
c	First floor	Sqm	3,400.00		
d	Second floor	Sqm	3,400.00		
e	Third floor	Sqm	3,400.00		
f	Fourth floor	Sqm	3,400.00		
g	Terrace	Sqm	275.00		
1.02	CEILING PLASTERING				
	Providing 12mm thick Plastering to Ceilings, in cement mortar 1:3, finishing to line and level with lime rendering finished smooth, at all levels & heights, including all leads and lifts of materials, hydrating the lime 24 hours before starting of work, scaffolding, curing, etc., complete, as per standard specifications / approved drawings and as directed by engineer-in-charge.				
a	Basement	Sqm	Rate Only		
b	Ground floor	Sqm	Rate Only		
c	First floor	Sqm	Rate Only		
d	Second floor	Sqm	Rate Only		
e	Third floor	Sqm	Rate Only		
f	Fourth floor	Sqm	Rate Only		
g	Terrace	Sqm	Rate Only		
1.03	Sponge Face Finish Plaster				
	Providing 12mm thick Plastering to Ceilings, in cement mortar 1:3, finishing to line and level with lime rendering, at all levels & heights, including all leads and lifts of materials, hydrating the lime 24 hours before starting of work, scaffolding, curing, etc., complete. Rate to include for providing Sponge Face Finish, etc, complete as per standard specifications / approved drawings and as directed by engineer-in-charge. (For Exterior Ceiling)	Sqm	Rate Only		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
1.04	EXTERNAL / ROUGH PLASTERING				
i	Sponge Face Finish Plaster with WPC (For Exterior Surfaces)				
	Providing Plastering for External Surfaces with base coat of 15mm thick in cement mortar 1:5 with water proofing compound of "CICO No.1" or approved equivalent as per manufacturer's specification and finishing coat of 10mm thick in cement mortar 1:3 after roughening the surface of first coat in green condition with wire brush and clearing of loose particles with sponge face finish (washed sand finish), etc, complete, as per standard specifications / approved drawings and as directed by engineer-in-charge. GI mesh of make Arpitha or equivalent of varying widths and nominal thickness as per context as specified in technical specifications and Indian Standards shall be provided at wall & beam junction, column & wall junction, etc, complete as per standard specifications / approved drawings and as directed by engineer-in-charge. Rate shall include for providing drip bands / moulds / grooves to any size and shape as directed by the engineer-in-charge. (For All Exterior Surfaces)	Sqm	6300		
ii	Sponge face finish plaster (for internal surfaces)	Sqm	600		
iii	Sponge face finish plaster with WPC (for exterior surfaces)	Sqm	500		
1.05	Providing Waterproof Plastering for exterior of Retaining Walls with a base coat of 15mm thick in cement mortar 1:4 (1 cement : 4 coarse sand), mixed with water proofing compound (2% integral water proofing compound conplast WP 90 powder or any approved equivalent) and a finishing coat of 10mm thick in cement mortar 1:3 after roughening the surface of first coat, as per manufacturer's specification, proprietary water proofing compound confirming to IS:2645. Rate to include for base preparation and application of a coat of cement slurry @ 2.5 kg/sqm as per standard specifications / approved drawings and as directed by engineer-in-charge.	Sqm	140		
1.06	STUCCO PLASTERING				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Providing and Applying 7mm thick Stucco Plastering in the external plastering area or wherever specified by using spray machine and 4mm screened sand mixed with CM in proportion of 1:1 by using OPC including curing, scaffolding, etc, complete, as per standard specifications / approved drawings and as directed by engineer-in-charge. Rate to include two coats of top finish with Terolin to match with the other external surface paint, etc, complete.	Sqm	Rate Only		
1.07	ROUGH PLASTERING				
	Providing rough cement plastering 12mm thick in single coat with cement mortar 1:4, to brick masonry for base of Toilet dadooding works/any other areas with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing with all lead & lifts etc., complete as per specifications and as directed by the Architect / Engineer in Charge.	Sqm	1160		
1.08	Providing & Making of Drip Moulds of size 25 x 15mm in CM1:4 at bottom of chajjas and beams/wherever required as per drawing & as directed by Engineer incharge.	Rmt	Rate Only		
1.09	Providing ,Making & Finishing architectural cornices, bands, designs etc., in CM 1:4 at all levels/shapes etc as per drawing complete in the external plastering area & as directed by Engineer incharge	Rmt	Rate Only		
	SUB TOTAL - PLASTERING WORKS-D				
E	MISCELLANEOUS WORK				
1.01	Labour charges for removal of loose particals/morter/forign materials etc.by using wire brush for concrete roof slabs & beams including soffits & joining/intersection of concrete members.Further grinding for the above surfaces by using horijantal hand grinding machine/power tools etc by rotataroy /horijantal /vertical suraces up to 4 mm to 6 mm depth with neat finishes etc complete as satisfaction of inginner in charge.The rates including all tools & plants,staging/scaffolding etc complete.	Sqm	10,500		
1.02	Labour charges for removal of loose particals/morter/other forign materials etc .by using wire brush/chisel & brooming the concrete floor slabs with neat finishes etc complete as satisfaction of inginner in charge.The rates including all tools & plants etc complete.	Sqm	9,000		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
1.03	Labour supply				
i	Mason	day	10.00		
	Male coolie	day	10.00		
	Female coolie	day	15.00		
ii	Carpenter	day	10.00		
	Helper- Male coolie	day	10.00		
iii	Bar bender	day	10.00		
	Helper- Male coolie	day	10.00		
iv	Welder	day	5.00		
	Helper- Male coolie	day	5.00		
	SUB TOTAL - MISCELLANEOUS WORK - G				
	GRAND TOTAL				

CONSTRUCTION OF PROPOSED DORMITORY & DEVOTEES BLOCK AT PRASHANTINILAYAM

BILL OF QUANTITY BLOCK C

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
A	SITE MIX CONCRETE				
	PLAIN CEMENT CONCRETE (including cement & form work)				
	SITE MIX CONCRETE (SMC) / BATCHING PLANT CONCRETE				
	Notes:				
a)	Plant mixed design mix concrete or Ready mixed concrete of specified grade from batching plant installed at site should be adopted for column footings, columns, roof beams, slabs, staircases etc.				
b)	Steel required for reinforcement is measured and paid for separately.				
c)	The rate include all tools & plants, manpower, placing concrete vibrating, curing, curing cloth/hessian cloth scaffolding all leads & Lift, at all levels & shapes etc to complete the work without any extra cost & to the satisfaction of Engineer incharge.				
d)	Immediately after centring is removed, the under-side of beams & slabs, sides of columns and other RC surfaces shall be roughened by hacking, to receive plaster. Plastering will be measured and paid for separately.				
1.01	P.C.C 1:2:4				
1.01	Providing and Laying at all levels PCC 1:2:4 using 20mm graded stone aggregate including the cost of cement, centring, shuttering, scaffolding & curing, etc, complete, as per standard specifications / approved drawings and as directed by engineer-in-charge.				
a)	Window & Ventilator Sills	Cum	45.0		
b)	Parapet Coping	Cum	25.0		
c)	Above sunken filling	Cum	40.0		
1.02	DAMP PROOF COURSE				
	Providing and Laying in position 50mm thick Damp Proof Course with cement concrete 1:3:6 using 12.5mm size stone aggregate, including mixing of waterproofing admixture of Sika / Fosroc / MC Bauchemie / Roffe or approved equivalent, compaction, formwork, curing, etc, complete, as per manufacturer's specifications and as directed by engineer-in-charge. (as per IS 2645).	Cum	10.0		
1.03	SCREED CONCRETE				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Providing & laying 50mm thick Screed Concrete to act as a base for flooring, etc, with 1:2:4 grade concrete with 12mm and down size metal including laying, compacting, curing etc., complete as per standard specifications / approved drawings and as directed by engineer-in-charge.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete	Sqm	40.0		
1.04	GRANOLITHIC FLOORING/				
	Providing & laying 75mm thick Granolithic Flooring laid in alternate panels of size 3m x 3m, consisting of 50mm thick 1:2:4 mix concrete (20mm down aggregate) and 25mm topping with 1:1.5 granolithic mix base (1 cement: 1.5 parts granite chips with 10mm and down) with Power Float finish, including preparation of base surface, fibrelated fibre mesh admixture as per manufacturer's specification, laying in panels, 4mm thick glass/aluminum strip at panel joints, side forms as required, consolidating, curing etc. complete, as per standard specifications / approved drawings and as directed by engineer-in-charge.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete	Sqm	40.0		
	SUB TOTAL - PLAIN CEMENT CONCRETE- SITE MIX CONCRETE A				
B	STEEL(TMT Steel Supplied by Clients free of cost)				
	Labour Charges for Fabricating & fixing in position reinforcement for RCC work with high yield strength ribbed cold twisted tor steel (HSD) bar of various diameters and grade of steel as specified below conforming to IS specification including cutting, providing, supplying & bending, hoisting, fabricating and placing in position according to drawings and binding the reinforcement with galvanised annealed binding wire of double fold of 18 gauge and providing PVC cover blocks for placing the reinforcements in position and for maintaining the cover specified and/or according to relevant IS.				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Note : Unless noted otherwise the measurements in accordance with IS 1200. However reinforcement shall be measured only in lengths of bars as actually placed in position on standard weight basis, no allowance being made in the weight for rolling margin. Authorized laps and splices only will be measured. Chairs of any shape & profile, Spacer bar of any shape & profile, cover block, wastage and binding wire will not be measured and shall be included in the quoted rates. Quoted rate shall be deemed to have considered the above stipulation. Quoted rate to include lead, lift, placing at all levels and as directed.TMT Bars supplied by clients free cost. Reconciliation to be submitted by contractor time to time as per contract				
i	FE 500 Reinforcement	MT	25.00		
ii	Mild Steel	MT	5.0		
iii	M.S. INSERTS				
	Supplying and Fixing M.S. Inserts in Concrete at all levels with anchors in the form of rods, plates, angles, flats, etc, complete, as per standard specifications / approved detailed drawings and as directed by engineer-in-charge.The rates include cost materials etc complete	Kgs	300.00		
	SUB TOTAL - STEEL(Supplied by Clients free of cost) -B				
C	MASONRY WORK				
	SOLID CONCRETE BLOCK MASONRY				
1.00	Providing,Supplying and Constructing Solid Concrete Block Masonry Wall (minimum compressive strength of 40 Kg/Sqcm) in cement mortar 1:6 (1 cement: 6 coarse sand) of consolidated 10mm thick with necessary scaffolding, curing, racking of joints, leads & lifts to required distance & all height,shapes etc., complete, as per standard specifications / approved drawings and as directed by engineer-in-charge.				
1.01	Size of 400mm x 200mm x 200mm(8" thick)				
a	Stilt	Sqm	140.00		
b	Ground floor	Sqm	175.00		
c	First floor	Sqm	250.00		
d	Second floor	Sqm	250.00		
e	Third floor	Sqm	250.00		
f	Fourth floor	Sqm	590.00		
g	Fifth floor	Sqm	250.00		
h	Terrace	Sqm	-		
g	Compound wall	Sqm	-		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
1.02	Providing and Constructing Solid Concrete Block Masonry wall (minimum compressive strength of 40 Kg/Sqcm) in cement mortar 1:4 (1 cement: 4 sand) of consolidated 10mm thick with necessary scaffolding, curing, racking of joints, leads & lifts to required distance & height. Rate to include for providing 100mm wide Arpitha GI plaster Mesh at every 5th course, etc., complete as per standard specifications / approved drawings and as directed by the engineer-in-charge.				
1.03	Size of 400mm x 100mm x 200mm(4" thick)				
a	Stilt	Sqm			
b	Ground floor	Sqm	40.00		
c	First floor	Sqm	35.00		
d	Second floor	Sqm	35.00		
e	Third floor	Sqm	35.00		
f	Fourth floor	Sqm	35.00		
g	Fifth floor	Sqm	35.00		
h	Terrace	Sqm	15.00		
1.04	Size of 400mm x 150mm x 200mm (6" thick)				
a	Stilt	Sqm	375.00		
b	Ground floor	Sqm	1,375.00		
c	First floor	Sqm	1,600.00		
d	Second floor	Sqm	1,600.00		
e	Third floor	Sqm	1,600.00		
f	Fourth floor	Sqm	1,600.00		
g	Fifth floor	Sqm	725.00		
h	Terrace	Sqm	80.00		
1.05	BRICK WORK MASONRY				
1.05	Providing and Constructing 230mm thick Table mould Burnt Brick Masonry with approved best quality modular first class nominal size table moulded bricks of minimum crushing strength of 50 kgs/sqcm, in cement mortar 1:6 of minimum 8mm thickness, including scaffolding, raking out joints, curing etc., complete, at all levels, elevations and heights as per the standard specifications / approved drawings and as directed by engineer-in-charge. Bricks shall be immersed in water for not less than 6 hours immediately before construction.				
a	Stilt	Sqm	175.00		
b	Ground floor	Sqm	275.00		
c	First floor	Sqm	300.00		
d	Second floor	Sqm	300.00		
e	Third floor	Sqm	300.00		
f	Fourth floor	Sqm	300.00		
g	Fifth floor	Sqm	100.00		
g	Terrace	Sqm	60.00		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
1.06	Providing and Constructing 115mm thick Burnt Brick Masonry (including ledge walls) with approved best quality first class nominal size table moulded bricks of minimum crushing strength of 50 kgs/sqcm, in cement mortar 1:4 of minimum 8mm thickness, including scaffolding, raking out joints, curing etc., complete, at all levels, elevations and heights as per standard specifications / approved drawings and as directed by engineer-in-charge. Rate to include for providing 100mm wide Arpitha GI plaster mesh at every 5th course. Brick shall be immersed in water for not less than 6 hours immediately before construction.				
a	Basement	Sqm	Rate only		
b	Ground floor	Sqm	Rate only		
c	First floor	Sqm	Rate only		
d	Second floor	Sqm	Rate only		
e	Third floor	Sqm	Rate only		
f	Fourth floor	Sqm	Rate only		
g	Fifth floor	Sqm	Rate only		
h	Terrace	Sqm	Rate only		
1.06	Perforated Clay Bricks/ Porotherm Only Porotherm clay/wienerberger clay Block all sizes Supplied by CLIENTS)				
	A detail method statement to be submitted				
	A dedicated team to be deployed to clean the joint mortars immediately after laying as to avoid absorption of cement water form mortar by blocks and grey colouration of blocks at joints.				
1.07	Placing and construction of masonry 200 mm thickness with Horizontal Perforated Clay Bricks of size 400 x 200x 200mm similar to POROTHERM with minimum compressive strength of 3.5 N/mm ² , maximum water absorption of 15% and having bulk dry density not less than 700-800 kg/m ³ , in cement mortar of ratio 1:6,(1Cement : 6 Sand) by striking & raking out joints. Rate includes cost of all materials, formwork, scaffolding, curing, labor, hire charges of machineries, with all leads & lift at all levels, complete as per drawings, As per manufacturer specifications and direction by the Engineer. the rates excluding cost of reinforcement,separately measured & payable. Note: 1. The clay bricks shall conform to IS 3952-2013. 2. Suitable Perforated closed-end bricks with minimum compressive strength of 7.0N/mm ² to be used at all open ends (Door Windows Wall Junctions) etc. The minimum height of the wall shall be 2.0m.				
a	Stilt	Sqm	Rate Only		
b	Ground floor	Sqm	Rate Only		
c	First floor	Sqm	Rate Only		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
d	Second floor	Sqm	Rate Only		
e	Third floor	Sqm	Rate Only		
f	Fourth floor	Sqm	Rate Only		
g	Terrace	Sqm			
1.08	Item same as specification above, but with Fully Bodied (FB) 200mm thick porotherm blocks				
a	Basement	Sqm	Rate Only		
b	Ground floor	Sqm	Rate Only		
c	First floor	Sqm	Rate Only		
d	Second floor	Sqm	Rate Only		
e	Third floor	Sqm	Rate Only		
f	Fourth floor	Sqm	Rate Only		
g	Fifth floor	Sqm	Rate Only		
h	Terrace	Sqm	Rate Only		
1.09	150mm Thick Porotherm Blocks				
	Placing and construction of masonry 150 mm thickness with Horizontal Perforated Clay Bricks of size 400 x 150 x 200mm similar to POROTHERM with minimum compressive strength of 3.5 N/mm ² , maximum water absorption of 15% and having bulk dry density not less than 700-800 kg/m ³ , in cement mortar of ratio 1:6,(1Cement : 6 Sand) by striking & raking out joints. Rate includes cost of all materials, formwork, scaffolding, curing, labor, hire charges of machineries, with all leads & lift at all levels, complete as per drawings, specifications and direction by the Engineer. Note: 1. The clay bricks shall conform to IS 3952-2013. 2. Suitable Perforated closed end bricks with minimum compressive strength of 7.0N/mm ² to be used at all open ends (Doors, Windows, Wall junctions) etc. 3.The number and position of stiffeners (8mm dia rods) shall be as per manufacturers specification/ recommendation				
a	Stilt	Sqm			
b	Ground floor	Sqm			
c	First floor	Sqm			
d	Second floor	Sqm			

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
e	Third floor	Sqm			
f	Fourth floor	Sqm			
g	Fifth floor	Sqm			
g	Terrace	Sqm			
1.10	Item same as specification above, but with Fully Bodied (FB) 150mm thick porotherm blocks				
a	Stilt	Sqm			
b	Ground floor	Sqm			
c	First floor	Sqm			
d	Second floor	Sqm			
e	Third floor	Sqm			
f	Fourth floor	Sqm			
g	Fifth floor	Sqm			
h	Terrace	Sqm			
1.11	Jali Works				
	75mm thick Terracotta Jali Works				
	Placing and construction a Terracotta Jali wall of 75mm thickness, the clay jali shall be of first quality, the works include bedding, jointing, reinforcing with 6mm dia steel rods every 3 course and pointing in cement mortar CM 1:4 (where applicable), width of joints not exceeding 10mm and striking and raking out joints with all lead, lift and depth including scaffolding, working platform, as per specifications ,finishing, cutting, curing and such other works that are required to make it complete at all floors & heights and works shall be as per specification and as directed by the Engineer.				
a	Stilt	Sqm	200.00		
b	Ground floor	Sqm	Rate Only		
c	First floor	Sqm	Rate Only		
d	Second floor	Sqm	Rate Only		
e	Third floor	Sqm	Rate Only		
f	Fourth floor	Sqm	Rate Only		
g	Fifth floor	Sqm	Rate Only		
g	Terrace	Sqm	Rate Only		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
1.12	Providing and constructing Random Rubble stone masonry in CM (1:8) prop:(Screened sand) using hard granite stones carted from approved quarry including cost and conveyance of all materials like cement, screened sand, water, stones etc., The rates including pointing wherever necessary and including seigniorage charges, sales & other taxes on all materials including labour for cutting stones to required size and shape, mixing, of cement, mortar, construction, curing etc.,and overheads & contractors profit complete for finished item of work in foundation and basement. (APSS No. 601 & 615)	Cum	8.00		
SUB TOTAL - MASONRY WORK - C					
D	PLASTERING WORKS (inclusive all etc)				
a)	The ingredients of plastering should be machine mixed.				
b)	Internal/ External plastering to RC surfaces like columns, beams, lintels etc. which merge in line with the masonry surfaces will be measured under plastering to masonry surfaces.				
c)	The quoted rate shall include for making grooves at the junctions of concrete & masonry, door/ window junctions with masonry/ concrete, providing & fixing of GI plaster mesh at junctions of masonry & concrete surfaces, door/ window junctions with masonry/				
d)	The rates includes all materials cement sand curing at all levels shapes,scaffolding etc complete				
11.01	INTERNAL WALL PLASTERING				
	Providing 12 mm thick Plastering for Internal RC Walls, Columns, Masonry Walls, etc., in cement mortar 1:6 (1 cement : 6 fine sand), finishing to line and level with lime rendering finished smooth, at all levels & heights, including all leads and lifts, hydrating the lime 24 hours before starting of work, scaffolding, curing, etc., complete, as per standard specifications / approved drawings and as directed by engineer-in-charge, GI mesh of make Arpitha or equivalent of varying widths and nominal thickness as per context as specified in technical specifications and Indian Standards shall be provided at wall & beam junction, column & wall junction, etc, complete. Rate to include for base preparation & applying a coat of cement slurry @ 2.5 kg/sqm, mesh supply & fixing, platering grooves, if required as per the approved drawings / as directed by engineer-in-charge. (For Internal Surfaces)				
a	Stilt	Sqm	1,300.00		
b	Ground floor	Sqm	2,600.00		
c	First floor	Sqm	3,100.00		
d	Second floor	Sqm	3,100.00		
e	Third floor	Sqm	3,100.00		
f	Fourth floor	Sqm	3,100.00		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
g	Fifth floor	Sqm	1,300.00		
h	Terrace	Sqm	275.00		
11.02	CEILING PLASTERING				
	Providing 12mm thick Plastering to Ceilings, in cement mortar 1:3, finishing to line and level with lime rendering finished smooth, at all levels & heights, including all leads and lifts of materials, hydrating the lime 24 hours before starting of work, scaffolding, curing, etc., complete, as per standard specifications / approved drawings and as directed by engineer-in-charge.				
a	Basement	Sqm	700.00		
b	Ground floor	Sqm	850.00		
c	First floor	Sqm	850.00		
d	Second floor	Sqm	850.00		
e	Third floor	Sqm	850.00		
f	Fourth floor	Sqm	850.00		
g	Fifth floor	Sqm	350.00		
h	Terrace	Sqm	Rate Only		
11.03	Sponge Face Finish Plaster				
	Providing 12mm thick Plastering to Ceilings, in cement mortar 1:3, finishing to line and level with lime rendering, at all levels & heights, including all leads and lifts of materials, hydrating the lime 24 hours before starting of work, scaffolding, curing, etc., complete. Rate to include for providing Sponge Face Finish, etc, complete as per standard specifications / approved drawings and as directed by engineer-in-charge. (For Exterior Ceiling)	Sqm	Rate Only		
11.04	EXTERNAL / ROUGH PLASTERING				
i	Sponge Face Finish Plaster with WPC (For Exterior Surfaces)				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Providing Plastering for External Surfaces with base coat of 15mm thick in cement mortar 1:5 with water proofing compound of "CICO No.1" or approved equivalent as per manufacturer's specification and finishing coat of 10mm thick in cement mortar 1:3 after roughening the surface of first coat in green condition with wire brush and clearing of loose particles with sponge face finish (washed sand finish), etc, complete, as per standard specifications / approved drawings and as directed by engineer-in-charge. GI mesh of make Arpitha or equivalent of varying widths and nominal thickness as per context as specified in technical specifications and Indian Standards shall be provided at wall & beam junction, column & wall junction, etc, complete as per standard specifications / approved drawings and as directed by engineer-in-charge. Rate shall include for providing drip bands / moulds / grooves to any size and shape as directed by the engineer-in-charge. (For All Exterior Surfaces)	Sqm	7800		
ii	Sponge face finish plaster (for internal surfaces)	Sqm	650		
iii	Sponge face finish plaster with WPC (for exterior surfaces)	Sqm	700		
11.05	Providing Waterproof Plastering for exterior of Retaining Walls with a base coat of 15mm thick in cement mortar 1:4 (1 cement : 4 coarse sand), mixed with water proofing compound (2% integral water proofing compound conplast WP 90 powder or any approved equivalent) and a finishing coat of 10mm thick in cement mortar 1:3 after roughening the surface of first coat, as per manufacturer's specification, proprietary water proofing compound confirming to IS:2645. Rate to include for base preparation and application of a coat of cement slurry @ 2.5 kg/sqm as per standard specifications / approved drawings and as directed by engineer-in-charge.	Sqm	100		
11.06	STUCCO PLASTERING				
	Providing and Applying 7mm thick Stucco Plastering in the external plastering area or wherever specified by using spray machine and 4mm screened sand mixed with CM in proportion of 1:1 by using OPC including curing, scaffolding, etc, complete, as per standard specifications / approved drawings and as directed by engineer-in-charge. Rate to include two coats of top finish with Terolin to match with the other external surface paint, etc, complete.	Sqm	Rate Only		
11.07	ROUGH PLASTERING				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4, to brick masonry for base of Toilet dadooding works/any other areas with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing with all lead & lifts etc., complete as per specifications and as directed by the Architect / Engineer in Charge.	Sqm	4600		
11.08	Providing & Making of Drip Moulds of size 25 x 15mm in CM1:4 at bottom of chajjas and beams/wherever required as per drawing & as directed by Engineer incharge.	Rmt	300		
11.09	Providing ,Making & Finishing architectural cornices, bands, designs etc., in CM 1:4 at all levels/shapes etc as per drawing complete in the external plastering area & as directed by Engineer incharge.	Rmt	Rate Only		
	SUB TOTAL - PLASTERING WORKS-D				
E	MISCELLANEOUS WORK				
1.01	Labour charges for removal of loose particals/morter/forign materials etc.by using wire brush for concrete roof slabs & beams including soffits & joining/intersection of concrete members.Further grinding for the above surfaces by using horijantal hand grinding machine/power tools etc by rotataroy /horijantal /vertical suraces up to 4 mm to 6 mm depth with neat finishes etc complete as satisfaction of inginner in charge.The rates including all tools & plants,staging/scaffolding etc complete.				
		Sqm	7,000		
1.02	Labour charges for removal of loose particals/morter/other foreign materials etc .by using wire brush/chisel & brooming the concrete floor slabs with neat finishes etc complete as satisfaction of inginner in charge.The rates including all tools & plants etc complete.	Sqm	14,000		
1.03	Labour supply				
i	Mason	day	10.0		
	Male coolie	day	10.0		
	Female coolie	day	15.0		
ii	Carpenter	day	10.0		
	Helper- Male coolie	day	10.0		
iii	Bar bender	day	10.0		
	Helper- Male coolie	day	10.0		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
iv	Welder	day	5.0		
	Helper- Male coolie	day	5.0		
	SUB TOTAL - MISCELLANEOUS WORK - G				
SUN TOTAL A+B+C					
GST 18% A+B+C					
GRAND TOTAL A+B+C					