

TENDER NO. SSSCT/PROC/24-25/E&P/016

Date: 09-May-24

TENDER DOCUMENT

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



WORKS TENDER NOTIFICATION

**STRUCTURAL WORK OF DORMITORY 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

Aum Sri Sairam

**Sri Sathya Sai Central Trust, Prasanthi Nilayam Puttaparthi, Sri Sathya Sai District, A.P.
- 515134**

TENDER DOCUMENT

Tender Notice Number: SSSCT/PROC/24-25/E&P/016

**Name of work - Structural Work of Dormitory cum Rooms Block at Prasanthi Nilayam
Estimated cost -1097 Lakhs**

- 1. Part-A Rs.294 Lakhs**
- 2. Part-B Rs.376 Lakhs**
- 3. Part-C Rs.427 Lakhs**

On behalf of Sri Sathya Sai Central Trust, Prasanthi Nilayam Sri Sathya Sai District here-in-after mentioned as the Owner, you are hereby invited to bid for Structural Work Of Dormitory Cum Rooms Block At Prasanthi Nilayam, Puttaparthi, Sri Sathya Sai District, Andhra Pradesh 515134

1. Scope of work: Structural works of the above mentioned work as per BOQ and the specification provided along with this tender document.
2. The documents comprising the tender, are
 - A) Notice inviting tender
 - B) Bill of quantities (BOQ)
 - C) General conditions of contract (GCC)
 - D) Special conditions of contract (SCC)
 - E) List of materials to be used.
 - F) Site visit declaration.
 - G) List of BIS Codes.
3. The Bidder shall furnish all the documents (as listed in Annexure IV) soft copy through mail i.e. tenders@mail.sssct.org and hard copy to the following address i.e. Chief Engineer, Sri Sathya Sai Central Trust, Prasanthi Nilayam A.P. 515134 on or before 23-May-2024
4. The last date of submission of the tender is 23-May-2024 at 11.00 AM

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I-WORKS BID**INVITATION OF BIDS FOR THE STRUCTURAL WORK OF DORMITORY CUM ROOMS BLOCK AT PRASANTHI NILAYAM**

The Sri Sathya Sai Central Trust, Prasanthi Nilayam, Puttaparthi, Andhra Pradesh hereby invites tender from for the said work as per the specifications.

“Interested parties who wishes to participants may submit their bids as per process mentioned here under”

To:
The Chief Engineer,
Sri Sathya Sai Central Trust, Prasanthi Nilayam
Puttaparthi, Sri Sathya Sai District,
Andhra Pradesh. Pin: 515134

Sl.	Bid issue	Description															
1	Tender Inviting Authority	Chief Engineer, Sri Sathya Sai Central Trust															
2	Name of the Work	Structural Work Of Dormitory Cum Rooms Block At Prasanthi Nilayam															
3	Place at which Tender document tavailable	Tender Document can be downloaded from Website: https://tenders.sssct.org/Structural_Work_of_New_Dormitory_Block_at_PSN.pdf															
4	Earnest Money Deposit (EMD)	<p>Estimated Value of the Bid Rs.1097 Lakhs EMD:10,97,000 /- (Rupees Ten Lakhs ninety seven 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.</p> <p>SSSCT PROJECTS-INDIAN FUNDS UTILIZATION</p> <p>A/C No: 39117267217. IFSCODE:SBIN0010480</p> <p>STATE BANK OF INDIA, PRASANTHI NILAYAM</p> <table border="1"> <thead> <tr> <th>PART S</th><th>BID Value</th><th>EMD of 1 %</th></tr> </thead> <tbody> <tr> <td>PART A</td><td>294 L</td><td>2,94000</td></tr> <tr> <td>PART B</td><td>376 L</td><td>3,76,000</td></tr> <tr> <td>PART C</td><td>427 L</td><td>4,27,000</td></tr> <tr> <td>TOTAL</td><td>1097 L</td><td>10,97,000</td></tr> </tbody> </table>	PART S	BID Value	EMD of 1 %	PART A	294 L	2,94000	PART B	376 L	3,76,000	PART C	427 L	4,27,000	TOTAL	1097 L	10,97,000
PART S	BID Value	EMD of 1 %															
PART A	294 L	2,94000															
PART B	376 L	3,76,000															
PART C	427 L	4,27,000															
TOTAL	1097 L	10,97,000															

5.	Security Deposit	Further Security Deposit of 1.5% is to be paid by the selected Bidder. Alternatively a Bank Guarantee of 2.5% of value of the Contract may be submitted and EMD (1%) amount will be returned
6.	Last Date for Submission of Bid	23.05.2024 (Until 11.00 AM)
7.	Tender Cost	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. SSSCT PROJECTS-INDIAN FUNDS UTILIZATION A/C No: 39117267217. IFSCODE:SBIN0010480 STATE BANK OF INDIA, PRASANTHI NILAYAM
8.	Opening of the Technical & Financial Bids	1. Technical Bid: The details of the Payment of Rs. 10,000/- made for tender application form shall invariably be given along with the technical Bid. 2. Financial Bid: to be submitted separately along with the Technical Bid on or before 3.00 PM on 23/05/2024 in a sealed cover in the office of the Trust at Prasanthi Nilayam.

1. PROCEDURE FOR BID SUBMISSION:

The Bidder shall submit the Bids on or before 23.05.2024 (Until 11:00 AM)
To the Tender Inviting Authority as per the procedure detailed below:

- a. The Bidders shall submit their Bid in a sealed cover along with all the documents as per the Works Bid Invitation along with the Bid.
- b. The Bidder shall sign on all the statements, documents, certificates, and sent by the, owning responsibility for their correctness / authenticity.
- c. **The bidder can submit his quote for any of the three parts of the tender i.e. Part A, Part B or Part C/ two parts or all three parts. The EMD should be paid commensurate to the parts quoted for.**

2. TENDER DOCUMENT:

The Bidder is requested to download the Tender Document and read all the terms and conditions mentioned in the Tender Document and seek clarification if any, from the Tender Inviting Authority through e mail: ce@mail.sssct.org

3. **LATE BIDS:** Sri Sathya Sai Central Trust will not accept any bid after the deadline for submission of bids.

III. GENERAL CONDITIONS OF CONTRACT

1. DEFINITIONS

In this Contract, the following terms shall be interpreted as indicated:

A .“The Contract” means the agreement entered into between the Sri Sathya Sai Central Trust and Contractor as recorded in the contract form signed by the parties, including all the attachments and appendices thereto and all documents incorporated by reference therein:

B .“The Contact Price” means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligation;

C .“Services” means services ancillary to the work, such as transportation and insurance, and all other incidental services, such as commissioning, provision of technical assistance, training and other obligations of the Supplier covered under the Contract;

D “GCC” means the General Conditions of Contract contained in this section;

E “SCC” means the Special Conditions of Contract;

F .“The Contractor” means the Bidder selected for and services under this Contract.

G .“The Trust” means the Sri Sathya Sai Central Trust, the tender Inviting Authority for the work.

2. CHANGE OF ORDERS:

The Trust may, at any point of time, by written order given to the Contractor make changes modifications within the general scope of the contract in any one or more of the following:

A .The scope of work;

B .The specifications of work; and / or

c. The services to be provided by the Contractor

3. APPLICABLE LAWS:

The contract shall be interpreted in accordance with the prevailing laws of the Government of Andhra Pradesh and Union of India.

4. NOTICES:

Any notice given by the Trust to the Contractor pursuant to this Contract shall be sent in writing or by e-mail and/or confirmed in writing to the Contractor’s address specified in Contract.

A notice shall be effective when delivered or on the notice's effective date, whichever is later.

5. AGREEMENT:

The successful Bidder(s) shall execute an agreement for the fulfilment of the contract on **Rs.100/-** non-judicial stamp paper in the prescribed format provided, within seven days from the date of acceptance of the Bid and intimation of the award of Contract.

The incidental expenses of execution of agreement shall be borne by the successful Bidder(s).

The conditions stipulated in the agreement should be strictly adhered to and violation of any of the conditions in full or in part will entail termination of the Contract without prejudice to the rights of The Trust towards Contractor and recovery of any consequential loss from the Contractor.

6. CHANGE OF SPECIFICATIONS:

No change of specifications after the placement of Order shall be entertained unless the alternate model offered is equivalent or higher in specifications and approval of the Competent Authority has been obtained in writing for such a change of model before execution of the work. Execution of work without such an approval shall not be accepted.

7. CONFLICT OF INTEREST.

Any Bidder having a conflict of interest, which substantially affects fair competition, shall not be eligible to bid in this tender. Bids found to have a conflict of interest shall be rejected as non-responsive. Bidder shall be required to declare the absence of such conflict of interest. A Bidder in this Tender Process shall be considered to have a conflict of interest if the Bidder:

- i. Directly or indirectly controls and/is controlled by or is under common control with another Bidder; or
- ii .Receives or have received any direct or indirect subsidy/ financial stake from another Bidder; or
- iii. Has the same legal representative/ agent as another Bidder for purposes of this bid. A Principal can authorize only one agent, and an agent also should not represent or quote on behalf of more than one Principal or
- iv. Has a relationship with another bidder, directly or through common third parties, that puts it in a position to have access to information about or influence the bid of another Bidder or influence the decisions of the Procuring Entity regarding this Tender process; or
- v. Participates in more than one bid in this tender process. Participation in any capacity by a Bidder (including the participation of a Bidder as sub-contractor in another bid or vice-versa) in more than one bid shall result in the disqualification of all bids in which he is a party. However, this does not limit the participation of a non-bidder firm as a sub-contractor in more than one bid; or
- vi. Would be providing goods, works, or non-consulting services resulting from or directly related to consulting services that it provided (or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm), for the procurement planning (inter-alia preparation of feasibility/ cost estimates/ Detailed Project Report (DPR), design/ technical specifications, terms of reference (ToR)/ Activity Schedule/ schedule of requirements or the Tender Document etc) of this Tender process; or
- vii. Has a close business or family relationship with a staff of the Procuring Organisation who: (i) are directly or indirectly involved in the preparation of the Tender document or specifications of the Tender Process, and/or the evaluation of bids; or (ii) would be involved in the implementation or supervision

of resulting Contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the Procuring Entity throughout the Tender process and execution of the Contract.

The Bidder shall go through instructions, terms and conditions given in this tender document. Failure to furnish all the requisite information called for in this Tender will be at the Bidders' risk and may result in rejection of the tender. The Bidder shall download the tender document, sign and send again by e-mail confirming that the Bidder has gone through all the terms and conditions of the tender.

8. AMENDMENT OF BIDDING DOCUMENTS

At any time prior to the deadline for submission of bids, the Sri Sathya Sai Central Trust may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the bidding documents by amendment.

Any such amendment/ corrigendum shall be posted on the Sri Sathya Sai Central Trust website only and no other communication shall be made to any firm in this regard.

In order to allow prospective Bidders reasonable time, in which to take the amendment into account in preparing their bids, the Sri Sathya Sai Central Trust, at its discretion, may extend the deadline for the submission of bids.

9. LANGUAGE OF BID

The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Sri Sathya Sai Central Trust shall be written in English language. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Bid, the translation shall govern.

10. FORUM FOR LEGAL PROCEEDINGS:

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In all cases of disputes, the decision of the Tender Inviting Authority shall be final. Any dispute or difference or any matter arising out of contract or incidentals thereto under this enquiry shall be subjected to jurisdiction of a competent Court of Law in Puttaparthi in Andhra Pradesh alone and not in any other place.

11. ACCEPTANCE or REJECTION OF BIDS:

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A .The Tender Inviting Authority reserves the right to accept or reject any or all bids and to annul the bidding process at any time prior to award of contract, without thereby incurring any liability or any obligation to inform the affected Bidder or Bidders of the grounds for the said action.

B .Any Bid with incomplete information is liable for rejection.

C .For each category of pre-qualification criteria, the documentary evidence is to be produced duly attested by the Bidder, serially numbered and enclosed with the bids. If the documentary proof is not enclosed for any/all criteria the Bid is liable for rejection.

If any information given by the Bidder is found to be false / fictitious, the Bidder will be debarred for 2 years from participating in any other tenders and will be blacklisted.

12. OTHER IMPORTANT CONDITIONS:

1. Validity of offer: The prices quoted must be FIRM and the offers made must remain open for acceptance for 90 days from the date of opening of Tender.
2. Payment Terms: Payment will be released within 15 days after receipt of the certified bill.
3. The Trust will not issue any statutory forms like, Form C, Form D, Way bill etc., and this should be taken into account by the Contractor while quoting the rates.
- 4 . The Tender Quantity is Tentative. It can be increased or decreased at the discretion of the Trust.
5. After finalization of Tender, a work completion schedule shall be submitted by the Contractor which can be revised by the Trust.
6. Penal clauses of the Contractor whatsoever like payment of interest on late payment of bills etc. shall not be acceptable to Sri Sathya Sai Central Trust.
7. Impermissible variations to specifications of work will be viewed seriously and will lead to black-listing.
8. The Trust reserves the right to override all the terms and conditions of the tender at any moment. It may reject any tender without assigning any reasons thereof and the same shall not be questioned in any court of law on any ground, whatsoever.
9. TAXES: TDS as applicable under the Income Tax Act will be deducted from all payments made to the contractor.
10. DISCIPLINE AND BEHAVIOUR OF WORKMEN: The Contractor shall ensure proper decorum, discipline and decency within the premises of the Institution. Smoking, consumption or possession of alcoholic drinks, and non-vegetarian food items within the premises are prohibited.
11. STATUTORY REQUIREMENTS: All necessary permits, licenses, registration and other Environment / Planning-related clearance needed for the works will be arranged by the Trust, assisted by the Contractor in respect of provision of the required data.

12 ASSIGNMENT AND SUBLETTING: The Contractor shall not assign or sub-contract any part of the work to another agency without prior written approval of the Trust.

13. LIQUIDATED DAMAGES: The Contractor undertakes to complete the work within the stipulated period. In case there are delays not attributable to Force Majeure, and without acceptable justification, the Trust can issue a notice of 15 days to the Contractor to make up the delay, and if there is still a delay, the Trust reserves the right to levy Liquidated Damages to the extent of 2% of the contract value per week of delay. If and when the Liquidated Damages reach a limit 10%, the Trust shall be entitled to determine the Contract and get the work carried out by another agency, with any relevant costs in excess of the contracted value accruing to the Contractor's account

14. LABOUR LAWS:

The Contractor shall be responsible for full compliance with all laws and regulations relating to labour, employment, compensation, wages, working conditions, environment, insurance, safety, etc., and the Trust stands fully indemnified against any claim in this regard.

IV.SPECIAL CONDITIONS OF CONTRACT

1. **SCOPE OF WORK:** Structural Work of Dormitory cum Rooms Block at Prasanthi Nilayam
2. **EMD (Earnest Money Deposit)**
 - A. 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.**
 - B. The successful bidder shall deposit a further amount of 1.5% towards FSD (Further Security Deposit) before signing of the Agreement.**
 - C. The EMD/FSD of 2.5% can be in the form of Bank Guaranty (BG) from any national /approved Bank.**
 - D. 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.**
3. **DURATION OF THE CONTRACT:** 09 Months from the date of issuing the letter of Intent. **Time is the essence of the contract.** Contractor shall submit a work schedule highlighting the various milestones immediately after award of work.
4. **CONTRACT AGREEMENT:** Will be executed between the Contractor and SSSCT, Prasanthi Nilayam on a Rs. 100/- stamp paper
5. **MACHINERY:** All the required machineries should be brought by the contractor. Contractor will be responsible for its maintenance and supply of fuel.
6. **MATERIAL:** All the material required for this construction should be brought by the Contractor. List of approved material Brands is attached separately.
7. **MANPOWER:** All the required manpower both skilled and unskilled should be arranged by the Contractor. The accommodation, safety of the work force is Contractor's responsibility.
8. **SUPERVISION:** A full time experienced supervisor/ Engineer shall be engaged by the Contractor to supervise the work.
9. **TYPE OF CONTRACT:** Item rate Contract. The rates quoted for different items should cover the cost of labour, transport, Tools & plants materials, Lead, Lift, over heads, incidental charges etc.
10. **MODE OF PAYMENT:** Intermediate/Part Payments will be made based on bills containing detailed measurements to be submitted by the contractor duly certified by the engineer-in-charge and processed through Finance department after effecting Tax Deduction at Source (TDS) as per IT Act.
11. **DEFECT LIABILITY PERIOD:** 24 months from the date of handing over. The work completed in all respects as per BOQ and conditions of Contract.

12. **RETENTION AMOUNT:** 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.
13. **MODE OF MEASUREMENT:** As per IS Codes.
14. **REPORTING THE PROGRESS OF THE WORK**
- A. The Contractor shall maintain a Site Order Book, where in inspecting Engineers will write day to day observations, instructions and progress of work. This book shall accompany the bills submitted from time to time.
 - B. The contractor shall send the pictures of the work progress to the whatsapp group, (which will be formed). From time to time.
15. **STATUTORY REQUIREMENTS:** Contractors shall arrange to pay the WCP Insurance, on mining material and all other necessary formalities required to execute the work.
16. **QUALITY OF WORK:** Certificate issued by the local site-in-charge appointed by the SSSCT shall be final. Any defective material/ work found by these authorities during their inspection shall be replaced by the contractor at his cost immediately.
SSSCT reserve the right to terminate the contract if it is found that the work is not up to the mark as for the quality and speed of the progress is concerned, without giving prior notice.
17. The participating bidders should be solvent to an extent of 25 % of estimated cost of works and have required machinery to execute the work.
18. The bidder participating shall satisfy the bid capacity. Bid Capacity is $2AN-B > ECV$, shall satisfy Where A is maximum annual turnover in the last 10 financial years, N is period of completion in Years, B is value of ongoing works in hand.
19. Apart from the above the bidder should possess similar nature work eligibility in any one year in the last 10 financial years.
20. The work which is considered for similar nature of work should be completed within the block period. The Criteria adopted for similar nature of work is $50\% \text{ of } ECV \times 12 / \text{Period of Completion in months}$ and similarly the bidder should possess Prime quantities involved in the estimate as per above formula.
21. Technical specification to be followed for the work are provided here.
Website: https://tenders.sssct.org/Technical_Specification.pdf. Bidder has to confirm adherence to following them by signing this page.
22. **Pre-Bid Meeting:** There shall be a pre-bid meeting at SNCS # 26/1, Craig Park, Craig Park Layout, M G Road, Bangalore-560 001, at Bangalore on 18th May 2024, 10.35am. (Contact person Sri Narayanswamy :98803 02689).

LANNEXURE-J

Ref No:Date:

To

Sri Sathya Sai Central Trust

Prasanthi Nilayam, Puttaparthi

Sri Sathya Sai District,

Andhra Pradesh – 515134.

Sir/Madam,

Having examined the Bidding Documents including Addenda Nos. (insert numbers) the receipt of which is hereby duly acknowledged, we, the undersigned, offer to execute the work in conformity with the said bidding documents for the sum of Rs. _____ (total bid amount in words and figures) or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith as part of this bid.

Conditions:

1. We undertake that if our Bid is accepted, for execution of work in accordance with the terms and conditions in the Bidding document.
2. If our bid is accepted, we will obtain the guarantee of a bank for the sum, specified under Tender Conditions in the form prescribed by the Trust.
3. Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us.
4. We understand that you are not bound to accept the lowest or any bid you may receive.
5. We confirm that we comply with the eligibility Criteria as per Sl 20 of Special Conditions of Contract of the Tender document.

Dated this

Signature:

(In the Capacity of):

Duly authorized to sign bid for and on behalf of

Place:

(In the case of a Partnership Firm, all the partners of the firm should authorize the concerned person for signing the Bid Form. In the case of a Company a copy of the resolution authorizing the concerned person to sign the Bid Form. Copies to be enclosed)

VI.ANNEXURE-II

(Bank Guarantee to be executed by any National Bank on Rs.100/- Stamp paper)

To

Date:

Sri Sathya Sai Central Trust,
Prasanthi Nilayam- 515134.

Sir/Madam,

Whereas _____ (Name of the Contractor) hereinafter called "the Contractor" has undertaken, in pursuance of Contract No. _____ dated:

And whereas it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee of Rs.Lakhs by a Nationalized Bank for the sum specified therein as security for compliance with the suppliers performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Contractor the Guarantee: THEREFORE WE

hereby affirm that we are Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. Lakhs (Rupeeslakhs only) and we undertake to pay you, upon your first written demand declaring the Contractor to be in default under the Contract and without cavil or argument, any sum or sums within the limit of (Amount of Guarantee) as aforesaid, without your needing to prove or show grounds or reasons for your demand for the sum specified therein.

This guarantee is valid until the 2024.

Authorized signatory's Signature and Seal of Guarantors Bank

.....
.....

Date

Address..... Place.....

VILANNEXURE – III**DETAILS OF THE BIDDER/CONTRACTOR**

S.No.	Particulars		
1	Name of the Firm/ Organization/ Society:		
2	Year of Establishment:		
	Registration No. & Date :		
3	Complete Address: Pin Code Phone No. Fax No. e-mail:		
4	Authorized person Name, Address: Designation Phone No. e-mail id		
5	If Partnership Firm a) Name & Address of all Partners b) If Registered under Companies Act, Name of the Chairman and Managing Director with full address c) Name & Address of Proprietor If Proprietor concern.		
6	PAN No. & Date:		
7	GST No.		
8	Branches:		
9	Annual Turn-Over		
	For 20-21		

	For 2021-22:		
	For 2022-23:		
10	Key personnel experience		
11	Details of men & machinery available for execution of work		
12	Business Background/History:		
13	Special Accreditations or Awards, if any:		
14	Customer Testimonials:		
15	Details of man power and equipment		

PLACE

DATE :

SIGNATURE OF THE BIDDER

VIII.ANNEXURE –IV**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 Authorised 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

FINANCIAL BID

1	Form of Financial Bid in Annexure-I and Annexure V (in a separate Sealed cover)
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IX. LIST OF APPROVED MAKES / BRAND OF MATERIALS**LIST OF BRAND/MAKE TO BE USED**

Cement - Ultratech, ACC, Dalmia, JSW ,RAMCO- OPC 43/53 grade

Steel reinforcement bars/Rods - TATA/ Jindal Neo FE500-FE550 /Vizag steel/SAIL

CPVC /UPVC/PVC-pipes & its accessories - Astral, Supreme, Ashirwad

PHE items & accessories/fittings - Cera, Parryware, Hindware , Jaguar, JAL (Havay duty) & watertec ,Slimline

Valves- Zolotto, Kartar / Astral, Watertec(PVC, GI,SS)

Electrical items – Crompton Greaves, Polycab, Finolex, Havells, Legrand, Gloster(cables), C&S, ABB, Philips, Schneider, HPL. Wires should be FRLSH. KEI (Cable),Atom berg,Roma Anchor, Anchor Penta ,L&T indo asian andAkarui.

Tiles - Kajaria, Somany, Johnson, AGL, RAK.

Paints - Asian, Berger , Nerolac, JSW.

Pumps- Kirloskar, KSB.(CRI Wilo for hot water)

Extinguishers - Safex, Ceasefire, Kanex.

Any materials to be used/purchased at site should be from approved vendor & duly certified by SSSCT Engineer & the same to be mentioned in the bills for payment.

X. SITE VISIT DECLARATION

To

Sri Sathya Sai Central Trust,

Prasanthi Nilayam,

Puttaparthi (A.P)

NIT No. TND/ / / - Dated / /

Dear Sir,

I/We _____Undersigned visited the project site on_____and collected all the required information and data regarding availability of material and noted the environmental condition. I have also signed the attendance register maintained at site in presence of Site-In-charge.

Yours faithfully,

(Signature of the Tenderer)

Seal of Tenderer

Dated

XI. List of BIS Codes

IS Codes for Mode of Measurements

SL.NO	DESCRIPTION	IS CODES
1	EXCAVATION WORK - CODE OF SAFETY (First Revision)	IS 3764 : 1992
2	Code of Practice for Anti-Termite Measures in Buildings, Part 2: Pre-constructional Chemical Treatment Measures	IS 6313-2
3	PLAIN AND REINFORCED CONCRETE - CODE OF PRACTICE (Fourth Revision)	IS. 456 : 2000
4	CODE OF PRACTICE FOR BENDING AND FIXING OF BARS FOR CONCRETE REINFORCEMENT	IS: 2502 - 1963
	HIGH STRENGTH DEFORMED STEEL BARS AND WIRES FOR CONCRETE REINFORCEMENT— SPECIFICATION (Fourth Revision)	IS 1786:2008
5	CONSTRUCTION OF HOLLOW AND SOLID CONCRETE BLOCK MASONRY — CODE OF PRACTICE (First Revision)	IS 2572:2005
6	Method of Measurement of Building and Civil Engineering Works, Part XII: Plastering and Pointing	IS 1200-12
7	METHODS OF MEASUREMENT OF BUILDING AND CIVIL ENGINEERING WORKS PART 13 WHITE WASHING, COLOUR WASHING, DISTEMPERING AND PAINTING OF BUILDING SURFACES (Fifth Revision)	IS 1200 (Part 13) : 1994
8	METHOD OF MEASUREMENT OF BUILDING AND CIVIL ENGINEERING WORK: Part 11 paving, floor finishes dado and skirting (third revision)	IS 1200(Part 11):1977
9	METHOD OF MEASUREMENT OF BUILDING AND CIVIL ENGINEERING	IS : 1200 (Part IX) - 1973

	WORKS PART IX ROOF COVERING (INCLUDING CLADDING) (Second Revision)	
10	Indian Standard Reaffirmed 2006 TIMBER DOOR, WINDOW AND VENTILATOR FRAMES — SPECIFICATION (Third Revision)	IS 4021 : 1995
11	METHOD OF MEASUREMENT OF BUILDING AND ENGINEERING WORKS: Part 2 concrete works (third revision)	IS 1200(Part 2):1974

BILL OF QUANTITIES Annexure-V

CONSTRUCTION OF PROPOSED DORMITORY & DEVOTEES BLOCK AT PRASHANTINILAYAM PUTTAPARTHY. AP.					
PART - 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.				
1.01	P.C.C. 1:4:8				
	Providing and Laying in position PCC 1:4:8 below Column Foundation and below Flooring or wherever specified in the drawing using sand, 40mm and down size metal including sub grade preparation by compaction & levelling, all leads and lifts, rough finishing at the top surface, curing, and shuttering if necessary etc, complete, as per standard specifications and as directed by engineer-in-charge.				
	a) Below Foundations / Footings	Cum	Rate only		
	b) Below Floors	Cum	Rate only		
	c) For UG Sump	Cum	Rate only		
1.02	P.C.C. 1:3:6				
	Providing and Laying in position PCC 1:3:6 below Column Foundation and below Flooring or wherever specified in the drawing using sand, 20mm and down size metal including sub grade preparation by compaction & levelling, all leads and lifts, rough finishing at the top surface, curing, and shuttering if necessary etc, complete, as per standard specifications and as directed by engineer-in-charge.	Cum	Rate only		
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 / approved drawings and as directed by engineer-in-charge.				
	a) Window & Ventilator Sills	Cum	Rate only		
	b) Parapet Coping	Cum	Rate only		
	c) Above sunken filling	Cum	Rate only		
1.04	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	8.00		
	SUB TOTAL - PLAIN CEMENT CONCRETE- SITE MIX CONCRETE -A				
2.00	READY MIX CONCRETE / CONTROLLED CONCRETE				
	a) The clients to provide & supply a design mix concrete or Ready mixed concrete of specified grade from batching plant installed at site with convenient location to contractor site specified location for column footings, columns, roof beams, slabs, staircases etc. complete				
	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.				
2.01	Labour Charges for laying P.C.C. 1:3:6 of specified thick including base Preparation, Compaction, levelling, all leads and lifts, curing and shuttering if necessary etc., The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles, scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.	Cum	294.00		
2.02	Labour Charges for Laying M25 Grade Concrete for Raft / Isolated / Combined Footing/Pedestals The labour rates including Vibrating, finishing top surface to the required level, Curing all tools & tackles, scaffolding, at all heights/shapes etc complete - RMC supplied by Clients.	Cum	700.00		
2.03	Labour Charges for Laying M25 Grade Concrete for Plinth Beams. The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles, scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Basement Floor/Ground Floor	Cum	73.00		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
2.04	Labour Charges for Laying M25 Grade Concrete for Columns.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Below Plinth Beams	Cum	59.00		
	Lower Ground Floor	Cum	31.00		
	Ground Floor	Cum	78.00		
	First Floor	Cum	78.00		
	Second floor	Cum	78.00		
	Third Floor	Cum	78.00		
	Fourth Floor	Cum	78.00		
	Above Terrace	Cum	22.00		
2.05	Labour Charges for Laying M25 Grade Concrete for Retaining Walls.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Basement Floor	Cum	37.00		
2.06	Labour Charges for Laying M35 Grade Concrete for Beams.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Ground Floor	Cum	104.00		
	First Floor	Cum	104.00		
	Second floor	Cum	104.00		
	Third Floor	Cum	104.00		
	Fourth Floor	Cum	104.00		
2.07	Labour Charges for Laying M35 Grade Concrete for PT Slabs.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Ground Floor	Cum	148.00		
	First Floor	Cum	148.00		
	Second floor	Cum	148.00		
	Third Floor	Cum	148.00		
	Fourth Floor	Cum	148.00		
2.08	Labour Charges for Laying M25 Grade Concrete for Beams.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Lower Ground	Cum	56.00		
	Ground Floor	Cum	63.00		
	First Floor	Cum	63.00		
	Second floor	Cum	63.00		
	Third Floor	Cum	63.00		
	Fourth Floor	Cum	63.00		
	Terrace Floor	Cum	10.00		
2.09	Labour Charges for Laying M25 Grade Concrete for Slabs.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Lower Ground	Cum	93.00		
	Ground Floor	Cum	150.00		
	First Floor	Cum	150.00		
	Second floor	Cum	150.00		
	Third Floor	Cum	150.00		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Fourth Floor	Cum	150.00		
	Terrace Floor	Cum	14.00		
2.10	Labour Charges for Laying M25 Grade of Concrete for Staircase.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Ground Floor	Cum	11.00		
	First Floor	Cum	11.00		
	Second floor	Cum	11.00		
	Third Floor	Cum	11.00		
	Fourth Floor	Cum	11.00		
2.11	Labour Charges for Laying Lift shaft top slab (Machine Roomless).The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	i Top Slab	Cum	5.00		
	ii Beams	Cum	2.50		
2.12	Labour Charges for Laying M30 Grade for OH Water Tank.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	i Bottom slab	Cum	30.00		
	ii Top Slab	Cum	23.00		
	iii Walls / Beams	Cum	54.00		
2.13	Labour Charges for Laying M30 Grade for Sump Tank.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	i Bottom slab	Cum	Rate only		
	ii Top slab	Cum	Rate only		
	iii Walls	Cum	Rate only		
2.14	Labour Charges for Laying M25 Grade for Lift Walls.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.	Cum	14.00		
2.15	Labour Charges for Laying M25 Grade for Grade Slab-125 thk excluding cost reinforcement Payable separately.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.	Cum	Rate only		
2.16	Labour Charges for Laying M25 Grade for Lintels at all floors & heightsThe labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.	Cum	35.00		
2.17	Labour Charges for Laying M25 Grade for Chejjas (Including form work. The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	0.6M Wide Chajja/Sunshade - Ground Floor	Sqm	90.00		
	0.6M Wide Chajja/Sunshade - First Floor	Sqm	90.00		
	0.6M Wide Chajja/Sunshade - Second Floor	Sqm	90.00		
	0.6M Wide Chajja/Sunshade - Third Floor	Sqm	90.00		
	0.6M Wide Chajja/Sunshade - Fourth Floor	Sqm	90.00		
2.18	Providing ,Making & Finishing architectural RCM facia 5 cm thick in CM (1:3)(Excluding cost of steel) at all levels/shapes etc complete as per drawing,TS & direction of engineer incharge.				
	Ground Floor	Sqm	45.00		
	First Floor	Sqm	45.00		
	Second floor	Sqm	45.00		
	Third Floor	Sqm	45.00		
	Fourth Floor	Sqm	45.00		
3.00	VACCUM DEWATERING FLOORING (VDF)(RMC)				
	Labour Charges for Laying 100 mm thick VDF laid to slope if required, with 20mm nominal size aggregate finished with a floating coat of neat cement slurry, floor hardener compound, rounding of edges and glass/aluminum/PVC dividing, strips (25mmx4m at every 3mx3m grid), etc, complete as per standard specifications / approved drawings and as directed by engineer in-charge.				
3.01	Labour Charges for Laying M20 concrete (BMC) for Flooring in panels including pumping tamping, vibrating and leveling with trimix vibrofloats etc complete including curing etc complete.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles, scaffolding, at all heights/shapes etc complete.RMC supplied by Clients.	Cum	80.00		
3.02	Providing necessary form work to take up VDF flooring	Rmt	Rate Only		
3.03	Labour Charges for Laying Executing vacuum dewatering over the freshly laid concrete in order to get hard and even surface etc. using approved dewatering machinery etc.	Sqm	615.00		
3.04	Providing angle edging of size 40x40x5 using number of lugs etc for the expansion	Rm	Rate Only		
3.05	Providing Polysulphide sealant as given below				
	a) 5mmx50mm deep	Rm	Rate Only		
	b) 20mmx10mm deep	Rm	Rate Only		
3.06	Providing Shalitex board of size 140mm x 20 mm wide in the expansion joints	Sqm	Rate Only		
3.07	Cutting the grove of size 5mm x50mm in concrete.	Rm	Rate Only		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
3.08	Extra for adding floor hardener nitoflor hard top from fosroc	Kgs	Rate Only		
4.00	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	10.00		
5.00	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	20.00		
	SUB TOTAL - PLAIN CEMENT CONCRETE/READY MIX CONCRETE / CONTROLLED CONCRETE - B				
6.00	FORM WORK				
	Providing, Supplying, making/fabricating and erecting form work at all levels/Shapes and places and profiles wherever needed/specified as per drawing including striking with 12mm Plastic coated, marine resistant waterproof ply/Smooth finished MS plates with adjustable steel props of acceptable Staging system and with sufficient bracing as approved by consultant. Cost to include designing of proper form work and staging system to suit the requirements, Submission of design calculations and shop drawings for approval, sealing the joints with heavy duty brown self adhesive tape, aligning to line and levels including M.S. Ties, PVC Spacer, Providing openings/ cutouts/ pockets, applying deshuttering chemical, Deshuttering as approved by the consultant etc., complete at all levels, double/triple heights and profiles for Note : Only plan area shall be considered. No extra shall be paid for Side shuttering of Drop panel/column capitals.				
	1) plywood shuttering shall be considered for all vertical elements, beam soffit,corewalls,stairs,ramps,tanks,RCCpedestals Etc., 2)Film coated Waterproof Plywood/ACRO PROPS/ACROSPANS shall be considered for slabs & beams/foundation etc for all works.				
6.01	Footings / Raft slab /Pedestals	Sqm	860.00		
6.01a	Plinth Beams	Sqm	540.00		
6.02	Columns	Sqm	3,860.00		
6.03	Slab	Sqm	8,820.00		
6.04	Beams	Sqm	3,420.00		
6.05	Staircase at all floors & heights.	Sqm	200.00		
6.06	Overhead tanks.	Sqm	600.00		
6.07	Sump Tanks	Sqm	Rate Only		
6.08	Retaining Walls	Sqm	318.00		
6.09	Lift Shaft top slab (Machine Roomless)	Sqm	20.00		
6.10	Lift Walls	Sqm	120.00		
	SUB TOTAL -FORM WORK - C				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
7.00	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				
	Up to Pedastals	MT	110.00		
	Above pedastals	MT	483.00		
ii	Mild Steel	MT	Rate Only		
	SUB TOTAL - STEEL(Supplied by Clients free of cost) - D				
8.00	MISCELLANEOUS WORK				
8.01	Providing & placing in position SYNKOFLEX Performed, Flexible, Compressive, Plastic Adhesive Water stop, at junctions of floor & walls in RCC water retaining structures like Underground sump tank, Over head water tanks etc., and or wherever specified all				
	SYNKOFLEX Performed, Flexible, Compressive, Plastic Adhesive Water stop for UGSTank & OHT's	Rmt	100.00		
8.02	Providing and fixing in position 25mm thick pre moulded bitumen pads or bituminous filler boards or bituminous impregnated fiber boards (Of make shalitek or equivalent) confirming to IS 1838, for expansion joints between structural members including and cutting and positioning. The rate shall including sealing of top of the exposed ends with polysulphide sealent of 25mm deep	Rmt	Rate only		
8.03	Drilling Holes in Hard Granite or Sheet rock and grouting the holes with neat Cement Slurry				
a	32mm dia (heavy duty)	nos	Rate only		
b	20mm dia (heavy duty)	nos	Rate only		
c	16mm dia (heavy duty)	nos	Rate only		
d	12mm dia	nos	Rate only		
8.04	Providing and Rock anchoring in position high strength anchor bolts of grade 5.8 or equivalent and specified dia and standard lengths including necessary drilling up to 150mm depth (min), anchoring and grouting with grouting compound as per specification with necessary equipments etc., complete as per specifications of agency approved by Consultants (HILTY or equivalent)				
a	32mm dia (heavy duty)	nos	Rate only		
b	20mm dia (heavy duty)	nos	Rate only		
c	16mm dia (heavy duty)	nos	Rate only		
d	12mm dia	nos	Rate only		
9.00	Providing & fixing in position PVC rungs for overhead water tanks/sump tanks, as per manufacture specification, fixed to RC walls with necessary fasteners and cement mortar grouting etc., complete with all lead & lift for all materials & labour and as directed				
	25mm PVC Rungs in OHT's	Nos	Rate only		
10.00	SOLING				
	Providing and Laying Rubble Soling with 150mm thick soling material like granite hand broken metal, using quarry dust cushion of 50mm thick over compacted base, the voids shall be filled with 40mm down size metal, blindage with murum or material as approved by the consultants and mechanically compacted by vibratory power roller of 8-10 T capacity (5-6 times) to get required profile, etc, complete, as per standard specifications and as directed by engineer-in-charge. Watering adequately and bringing the top surface to the required level with proper cambers as specified (CBR test shall be carried and the same to be approved by Consultants before proceeding for next layer).				
a	Floor	Sqm	Rate Only		
b	Footings	Sqm	Rate Only		
11.00	Labour supply				
11.01	Mason	day	10.00		
	Male coolie	day	10.00		
	Female coolie	day	15.00		
11.02	Carpenter	day	10.00		
	Helper- Male coolie	day	10.00		
11.03	Bar bender	day	10.00		
	Helper- Male coolie	day	10.00		
11.04	Welder	day	5.00		
	Helper- Male coolie	day	5.00		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	SUB TOTAL - MISCELLANEOUS WORK - E				
	GRAND TOTAL				

PART 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 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.				
	P.C.C. 1:4:8				
1.01	Providing and Laying in position PCC 1:4:8 below Column Foundation and below Flooring or wherever specified in the drawing using sand, 40mm and down size metal including sub grade preparation by compaction & levelling, all leads and lifts, rough finishing at the top surface, curing, and shuttering if necessary etc, complete, as per standard specifications and as directed by engineer-in-charge.				
	a) Below Foundations / Footings	Cum	Rate only		
	b) Below Floors	Cum	Rate only		
	c) For UG Sump	Cum	Rate only		
1.02	P.C.C. 1:3:6				
	Providing and Laying in position PCC 1:3:6 below Column Foundation and below Flooring or wherever specified in the drawing using sand, 20mm and down size metal including sub grade preparation by compaction & levelling, all leads and lifts, rough finishing at the top surface, curing, and shuttering if necessary etc, complete, as per standard specifications and as directed by engineer-in-charge.	Cum	Rate only		
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 / approved drawings and as directed by engineer-in-charge.				
	a) Window & Ventilator Sills	Cum	Rate only		
	b) Parapet Coping	Cum	Rate only		
	c) Above sunken filling	Cum	Rate only		
1.04	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	10.00		
	SUB TOTAL - PLAIN CEMENT CONCRETE- SITE MIX CONCRETE -A				
2.00	READY MIX CONCRETE / CONTROLLED CONCRETE				
	a) The clients to provide & supply a design mix concrete or Ready mixed concrete of specified grade from batching plant installed at site with convenient location to contractor site specified location for column footings, columns, roof beams, slabs, staircases etc. complete				
	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.				
2.01	Labour Charges for laying P.C.C. 1:3:6 of specified thick including base preparation, Compaction, levelling, all leads and lifts, curing and shuttering if necessary etc., The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles, scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.	Cum	342.00		
	Providing, Batching, Mixing, Transporting through transit mixers, Pumping using the line pump or boom placer and Laying Reinforced Cement Concrete (RMC) of M20 grade at all levels, heights & profiles specified below, using ordinary Portland cement of grade 43 / 53 and approved manufacturer, sand, 20mm and down size coarse aggregates, necessary admixtures approved by consultants (Conplast SP 430 SRV from Fosroc IS 9103 or equivalent), all leads and lifts, vibrating / compaction, scaffolding wherever necessary, curing, etc, complete, as per standard specifications and as directed by engineer-in-charge. (Note: (i) The rates excluding cost of Shuttering, formwork, centering, staging ii) Clients may at option can set up a Batching Plant of required capacity within the site premises for supply of concrete at free of cost including delivery to site, pumping etc. the contractor quote only labour rates for laying curing etc				
2.02	Labour Charges for Laying M25 Grade Concrete for Raft / Isolated / Combined Footing/Pedestals. The labour rates including Vibrating, finishing top surface to the required level, Curing all tools & tackles, scaffolding, at all heights/shapes etc complete - RMC supplied by Clients.	Cum	620.00		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
2.03	Labour Charges for Laying M25 Grade Concrete for Plinth Beams. The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Basement Floor/Ground Floor	Cum	130.00		
2.04	Labour Charges for Laying M25 Grade Concrete for Columns.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Below Plinth Beams	Cum	60.00		
	Lower Ground Floor	Cum	63.00		
	Ground Floor	Cum	80.00		
	First Floor	Cum	80.00		
	Second floor	Cum	80.00		
	Third Floor	Cum	80.00		
	Fourth Floor	Cum	80.00		
	Above Terrace	Cum	18.00		
2.05	Labour Charges for Laying M25 Grade Concrete for Retaining Walls.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Basement Floor	Cum	56.00		
2.06	Labour Charges for Laying M35 Grade Concrete for Beams.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Ground Floor	Cum	104.00		
	First Floor	Cum	104.00		
	Second floor	Cum	104.00		
	Third Floor	Cum	104.00		
	Fourth Floor	Cum	104.00		
2.07	Labour Charges for Laying M35 Grade Concrete for PT Slabs.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Ground Floor	Cum	140.00		
	First Floor	Cum	140.00		
	Second floor	Cum	140.00		
	Third Floor	Cum	140.00		
	Fourth Floor	Cum	140.00		
2.08	Labour Charges for Laying M25 Grade Concrete for Beams.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Lower Ground	Cum	182.00		
	Ground Floor	Cum	87.00		
	First Floor	Cum	87.00		
	Second floor	Cum	87.00		
	Third Floor	Cum	87.00		
	Fourth Floor	Cum	87.00		
	Terrace Floor	Cum	12.00		
2.09	Labour Charges for Laying M25 Grade Concrete for Slabs.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Lower Ground	Cum	260.00		
	Ground Floor	Cum	173.00		
	First Floor	Cum	173.00		
	Second floor	Cum	173.00		
	Third Floor	Cum	173.00		
	Fourth Floor	Cum	173.00		
	Terrace Floor	Cum	14.00		
2.10	Labour Charges for Laying M25 Grade of Concrete for Staircase.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Ground Floor	Cum	13.00		
	First Floor	Cum	13.00		
	Second floor	Cum	13.00		
	Third Floor	Cum	13.00		
	Fourth Floor	Cum	13.00		
2.11	Labour Charges for Laying Lift shaft top slab (Machine Roomless).The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Top Slab	Cum	5.00		
	Beams	Cum	2.50		
2.12	Labour Charges for Laying M30 Grade for OH Water Tank.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Bottom slab	Cum	20.00		
	Top Slab	Cum	15.00		
	Walls / Beams	Cum	36.00		
2.13	Labour Charges for Laying M30 Grade for Sump Tank.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	i Bottom slab	Cum	140.00		
	ii Top slab	Cum	47.00		
	iii Walls	Cum	168.00		

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
2.14	Labour Charges for Laying M25 Grade for Lift Walls.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.	Cum	14.00		
2.15	Labour Charges for Laying M25 Grade for Grade Slab-125 thk excluding cost reinforcement Payable separately.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.	Cum	Rate Only		
2.16	Labour Charges for Laying M25 Grade for Lintels at all floors & heightsThe labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.	Cum	35.00		
2.17	Labour Charges for Laying M25 Grade for Chejjas (Including form work. The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	0.6M Wide Chajja/Sunshade - Ground Floor	Sqm	90.00		
	0.6M Wide Chajja/Sunshade - First Floor	Sqm	90.00		
	0.6M Wide Chajja/Sunshade - Second Floor	Sqm	90.00		
	0.6M Wide Chajja/Sunshade - Third Floor	Sqm	90.00		
	0.6M Wide Chajja/Sunshade - Fourth Floor	Sqm	90.00		
2.18	Providing ,Making & Finishing architectural RCM facia 5 cm thick in CM (1:3)(Excluding cost of steel) at all levels/shapes etc complete as per drawing,TS & direction of engineer incharge.				
	Ground Floor	Sqm	45.00		
	First Floor	Sqm	45.00		
	Second floor	Sqm	45.00		
	Third Floor	Sqm	45.00		
	Fourth Floor	Sqm	45.00		
3.00	VACUUM DEWATERING FLOORING (VDF)(RMC)				
	Labour Charges for Laying 100 mm thick VDF laid to slope if required, with 20mm nominal size aggregate finished with a floating coat of neat cement slurry, floor hardener compound, rounding of edges and glass/aluminum/PVC dividing, strips (25mmx4m at every 3mx3m grid), etc, complete as per standard specifications / approved drawings and as directed by engineer in-charge.				
3.01	Labour Charges for Laying M20 concrete (BMC) for Flooring in panels including pumping tamping, vibrating and leveling with trimix vibrofloats etc complete including curing etc complete.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles, scaffolding, at all heights/shapes etc complete.RMC supplied by Clients.	Cum	100.00		
3.02	Providing necessary form work to take up VDF flooring	Rmt	Rate Only		
3.03	Labour Charges for laying Executing vacuum dewatering over the freshly laid concrete in order to get hard and even surface etc. using approved dewatering machinery etc.	Sqm	1,000.00		
3.04	Providing angle edging of size 40x40x5 using number of lugs etc for the expansion	Rm	Rate Only		
3.05	Providing Polysulphide sealant as given below				
	a) 5mmx50mm deep	Rm	Rate Only		
	b) 20mmx10mm deep	Rm	Rate Only		
3.06	Providing Shalitex board of size 140mm x 20 mm wide in the expansion joints	Sqm	Rate Only		
3.07	Cutting the grove of size 5mm x50mm in concrete.	Rm	Rate Only		
3.08	Extra for adding floor hardener nitoflor hard top from fosroc	Kgs	Rate Only		
	SCREED CONCRETE				
4.00	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	25.00		
5.00	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	30.00		
	SUB TOTAL - PLAIN CEMENT CONCRETE/READY MIX CONCRETE / CONTROLLED CONCRETE - B				
6.00	FORM WORK				
	Providing, Supplying, making/ fabricating and erecting form work at all levels and places and profiles wherever needed/specified as per drawing including striking with 12mm Plastic coated, marine resistant waterproof ply/Smooth finished MS plates with adjustable steel props of acceptable Staging system and with sufficient bracing as approved by consultant. Cost to include designing of proper form work and staging system to suit the requirements, Submission of design calculations and shop drawings for approval, sealing the joints with heavy duty brown self adhesive tape, aligning to line and levels including M.S. Ties, PVC Spacer, Providing openings/ cutouts/ pockets, applying deshuttering chemical, Deshuttering as approved by the consultant etc., complete at all levels, double/triple heights and profiles for Note : Only plan area shall be considered. No extra shall be paid for Side shuttering of Drop panel/column capitals.				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	1) plywood shuttering shall be considered for all vertical elements, beam soffit, core walls, stairs, ramps, tanks, RCC pedestals Etc., 2) Film coated Waterproof Plywood/ACRO PROPS/ACRO SPANS shall be considered for slabs & beams/foundation etc for all works.				
6.01	Footings / Raft slab / Pedestals	Sqm	820.00		
6.01a	Plinth Beams	Sqm	950.00		
6.02	Columns	Sqm	4,370.00		
6.03	Slab	Sqm	10,710.00		
6.04	Beams	Sqm	7,570.00		
6.05	Staircase at all floors & heights.	Sqm	200.00		
6.06	Overhead tanks.	Sqm	290.00		
6.07	Sump Tanks	Sqm	840.00		
6.08	Retaining Walls	Sqm	460.00		
6.09	Lift Shaft top slab (Machine Roomless)	Sqm	20.00		
6.10	Lift Walls	Sqm	120.00		
	SUB TOTAL -FORM WORK - C				
7.00	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				
	Up to Pedastals	MT	160.00		
	Above pedastals	MT	540.00		
ii	Mild Steel	MT	Rate Only		
	SUB TOTAL - STEEL(Supplied by Clients free of cost)) - D				
8.00	MISCELLANEOUS WORK				
8.01	Providing & placing in position SYNKOFLEX Performed, Flexible, Compressive, Plastic Adhesive Water stop, at junctions of floor & walls in RCC water retaining structures like Underground sump tank, Over head water tanks etc., and or wherever specified all SYNKOFLEX Performed, Flexible, Compressive, Plastic Adhesive Water stop for UGSTank & OHT's	Rmt	180.00		
8.02	Providing and fixing in position 25mm thick pre moulded bitumen pads or bituminous filler boards or bituminous impregnated fiber boards (Of make shaliteX or equivalent) confirming to IS 1838, for expansion joints between structural members including and cutting and positioning. The rate shall including sealing of top of the exposed ends with polysulphide sealant of 25mm deep	Rmt	Rate only		
8.03	Drilling Holes in Hard Granite or Sheet rock and grouting the holes with neat Cement Slurry				
a	32mm dia (heavy duty)	nos	Rate only		
b	20mm dia (heavy duty)	nos	Rate only		
c	16mm dia (heavy duty)	nos	Rate only		
d	12mm dia	nos	Rate only		
8.04	Providing and Rock anchoring in position high strength anchor bolts of grade 5.8 or equivalent and specified dia and standard lengths including necessary drilling up to 150mm depth (min), anchoring and grouting with grouting compound as per specification with necessary equipments etc., complete as per specifications of agency approved by Consultants (HILTY or equivalent)				
a	32mm dia (heavy duty)	nos	Rate only		
i	20mm dia (heavy duty)	nos	Rate only		
ii	16mm dia (heavy duty)	nos	Rate only		
iii	12mm dia	nos	Rate only		
9.00	Providing & fixing in position PVC rungs for overhead water tanks/sump tanks, as per manufacture specification, fixed to RC walls with necessary fasteners and cement mortar grouting etc., complete with all lead & lift for all materials & labour and as 25mm PVC Rungs in OHT's	Nos	Rate only		
10.00	SOLING				

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
	Providing and Laying Rubble Soling with 150mm thick soling material like granite hand broken metal, using quarry dust cushion of 50mm thick over compacted base, the voids shall be filled with 40mm down size metal, blindage with murum or material as approved by the consultants and mechanically compacted by vibratory power roller of 8-10 T capacity (5-6 times) to get required profile, etc, complete, as per standard specifications and as directed by engineer-in-charge. Watering adequately and bringing the top surface to the required level with proper cambers as specified (CBR test shall be carried and the same to be approved by Consultants before proceeding for next layer).				
a	Floor	Sqm	Rate Only		
b	Footings	Sqm	Rate Only		
11.00	Labour supply				
11.01	Mason	day	10.00		
	Male coolie	day	10.00		
	Female coolie	day	15.00		
11.02	Carpenter	day	10.00		
	Helper- Male coolie	day	10.00		
11.03	Bar bender	day	10.00		
	Helper- Male coolie	day	10.00		
11.04	Welder	day	5.00		
	Helper- Male coolie	day	5.00		
	SUB TOTAL - MISCELLANEOUS WORK - E				
	GRAND TOTAL				

PART C BILL OF QUANTITY

Sl.	Particulars	Unit	Qty.		
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 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. 1:4:8				
	Providing and Laying in position PCC 1:4:8 below Column Foundation and below Flooring or wherever specified in the drawing using sand, 40mm and down size metal including sub grade preparation by compaction & levelling, all leads and lifts, rough finishing at the top surface, curing, and shuttering if necessary etc, complete, as per standard specifications and as directed by engineer-in-charge.				
a)	Below Foundations / Footings	Cum	Rate only		
b)	Below Floors	Cum	Rate only		
c)	For UG Sump	Cum	Rate only		
1.02	P.C.C. 1:3:6				
	Providing and Laying in position PCC 1:3:6 below Column Foundation and below Flooring or wherever specified in the drawing using sand, 20mm and down size metal including sub grade preparation by compaction & levelling, all leads and lifts, rough finishing at the top surface, curing, and shuttering if necessary etc, complete, as per standard specifications and as directed by engineer-in-charge.	Cum	Rate only		
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 / approved drawings and as directed by engineer-in-charge.				
a)	Window & Ventilator Sills	Cum	Rate only		
b)	Parapet Coping	Cum	Rate only		
c)	Above sunken filling	Cum	Rate only		
1.04	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 / Rofle 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		
	SUB TOTAL - PLAIN CEMENT CONCRETE- SITE MIX CONCRETE A				
2.00	READY MIX CONCRETE / CONTROLLED CONCRETE				
a)	The clients to provide & supply a design mix concrete or Ready mixed concrete of specified grade from batching plant installed at site with convenient location to contractor site specified location for column footings, columns, roof beams, slabs, staircases				
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.				
2.01	Labour Charges for laying P.C.C. 1:3:6 of specified thick including base preparation, Compaction, levelling, all leads and lifts, curing and shuttering if necessary etc., The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles, scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.	Cum	354.0		
2.02	Labour Charges for Laying M25 Grade Concrete for Raft / Isolated / Combined Footing/Pedestals. The labour rates including Vibrating, finishing top surface to the required level, Curing all tools & tackles, scaffolding, at all heights/shapes etc complete - RMC supplied by Clients.	Cum	580.0		
2.03	Labour Charges for Laying M25 Grade Concrete for Plinth Beams. The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles, scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Basement Floor/Ground Floor	Cum	113.0		
2.04	Labour Charges for Laying M25 Grade Concrete for Columns. The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles, scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Below Plinth Beams	Cum	115.0		

Sl.	Particulars	Unit	Qty.		
	Lower Ground Floor	Cum	123.0		
	Ground Floor	Cum	94.0		
	First Floor	Cum	94.0		
	Second floor	Cum	94.0		
	Third Floor	Cum	94.0		
	Fourth Floor	Cum	94.0		
	Fifth Floor	Cum	24.0		
	Above Terrace	Cum	13.0		
2.05	Labour Charges for Laying M25 Grade Concrete for Retaining Walls.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Basement Floor	Cum	28.0		
2.06	Labour Charges for Laying M35 Grade Concrete for Beams.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Lower Ground	Cum	168.0		
	Ground Floor	Cum	140.0		
	First Floor	Cum	135.0		
	Second floor	Cum	135.0		
	Third Floor	Cum	135.0		
	Fourth Floor	Cum	133.0		
	Fifth Floor	Cum	50.0		
	Terrace Floor	Cum	8.0		
2.07	Labour Charges for Laying M25 Grade Concrete for Slabs.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Stilt Ground	Cum	371.0		
	Ground Floor	Cum	319.0		
	First Floor	Cum	319.0		
	Second floor	Cum	319.0		
	Third Floor	Cum	319.0		
	Fourth Floor	Cum	319.0		
	Fifth Floor	Cum	98.0		
	Terrace Floor	Cum	14.0		
2.08	Labour Charges for Laying M25 Grade of Concrete for Staircase.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	Stilt Floor	Cum	14.0		
	Ground Floor	Cum	14.0		
	First Floor	Cum	14.0		
	Second floor	Cum	14.0		
	Third Floor	Cum	14.0		
	Fourth Floor	Cum	14.0		
	Fifth Floor	Cum	5.0		
2.09	Labour Charges for Laying Lift shaft top slab (Machine Roomless).The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
i	Top Slab	Cum	6.0		

Sl.	Particulars	Unit	Qty.		
ii	Beams	Cum	3.0		
2.10	Labour Charges for Laying M30 Grade for OH Water Tank.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
i	Bottom slab	Cum	11.0		
ii	Top Slab	Cum	7.0		
iii	Walls / Beams	Cum	26.0		
2.11	Labour Charges for Laying M30 Grade for Sump Tank.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
i	Bottom slab	Cum	Rate Only		
ii	Top slab	Cum	Rate Only		
iii	Walls	Cum	Rate Only		
2.12	Labour Charges for Laying M25 Grade for Lift Walls.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.	Cum	23.0		
2.13	Labour Charges for Laying M25 Grade for Grade Slab-125 thk excluding cost reinforcement Payable separately.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.	Cum	277.0		
2.14	Labour Charges for Laying M25 Grade for Lintels at all floors & heightsThe labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.	Cum	54.0		
2.15	Labour Charges for Laying M25 Grade for Chejjas (Including form work. The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.				
	0.6M Wide Chajja/Sunshade - Ground Floor	Sqm	135.0		
	0.6M Wide Chajja/Sunshade - First Floor	Sqm	135.0		
	0.6M Wide Chajja/Sunshade - Second Floor	Sqm	135.0		
	0.6M Wide Chajja/Sunshade - Third Floor	Sqm	135.0		
	0.6M Wide Chajja/Sunshade - Fourth Floor	Sqm	135.0		
	Fifth Floor	Sqm	Rate Only		
2.16	Providing ,Making & Finishing architectural RCM facia 5 cm thick in CM (1:3)(Excluding cost of steel) at all levels/shapes etc complete as per drawing,TS & direction of engineer incharge.				
	Ground Floor	Sqm	54.0		
	First Floor	Sqm	54.0		
	Second floor	Sqm	55.0		
	Third Floor	Sqm	55.0		
	Fourth Floor	Sqm	54.0		
	Fifth Floor	Sqm	Rate only		
3.00	VACCU DEWATERING FLOORING (VDF)(RMC)				
	Labour Charges for Laying 100 mm thick VDF laid to slope if required, with 20mm nominal size aggregate finished with a floating coat of neat cement slurry, floor hardener compound, rounding of edges and glass/aluminum/PVC dividing, strips (25mmx4m at every 3mx3m grid), etc, complete as per standard specifications / approved drawings and as directed by engineer in-charge.				
3.01	Labour Charges for Laying M20 concrete (BMC) for Flooring in panels including pumping tamping, vibrating and leveling with trimix vibrofloats etc complete including curing etc complete.The labour rates including Vibrating, finishing top surface to the required level, Curing etc all tools & tackles,scaffolding, at all heights/shapes etc complete -RMC supplied by Clients.	Cum	277.0		
3.02	Providing necessary form work to take up VDF flooring	Rmt	Rate Only		
3.03	Labour Charges for laying Executing vacuum dewatering over the freshly laid concrete in order to get hard and even surface etc. using approved dewatering machinery etc.	Sqm	2,212.0		
3.04	Providing angle edging of size 40x40x5 using number of lugs etc for the expansion joints.	Rm	Rate Only		
3.05	Providing Polysulphide sealant as given below				
	a) 5mmx50mm deep	Rm	Rate Only		
	b) 20mmx10mm deep	Rm	Rate Only		
3.06	Providing Shalitex board of size 140mm x 20 mm wide in the expansion joints	Sqm	Rate Only		
3.07	Cutting the grove of size 5mm x50mm in concrete.	Rm	Rate Only		
3.08	Extra for adding floor hardener nitoflor hard top from fosroc	Kgs	Rate Only		
4.00	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	30.0		
5.00	GRANOLITHIC FLOORING/				

Sl.	Particulars	Unit	Qty.		
	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	Sqm	40.0		
	SUB TOTAL - PLAIN CEMENT CONCRETE/READY MIX CONCRETE / CONTROLLED CONCRETE - B				
6.00	FORM WORK				
	Providing, Supplying, making/ fabricating and erecting form work at all levels and places and profiles wherever needed/specified as per drawing including striking with 12mm Plastic coated, marine resistant waterproof ply/Smooth finished MS plates with adjustable steel props of acceptable Staging system and with sufficient bracing as approved by consultant. Cost to include designing of proper form work and staging system to suit the requirements, Submission of design calculations and shop drawings for approval, sealing the joints with heavy duty brown self adhesive tape, aligning to line and levels including M.S. Ties, PVC Spacer, Providing openings/ cutouts/ pockets, applying deshuttering chemical, Deshuttering as approved by the consultant etc., complete at all levels, double/triple heights and profiles for Note : Only plan area shall be considered. No extra shall be paid for Side shuttering of Drop panel/column capitals.				
	1) plywood shuttering shall be considered for all vertical elements, beam soffit, core walls, stairs, ramps, tanks, RCC pedestals Etc., 2) Film coated Waterproof Plywood/ACRO PROPS/ACROSPANS shall be considered for slabs & beams/foundation etc for all works.				
6.01	Footings / Raft slab / Pedestals	Sqm	980.0		
6.01a	Plinth Beams	Sqm	950.0		
6.02	Columns	Sqm	7,950.0		
6.03	Slab	Sqm	14,130.0		
6.04	Beams	Sqm	9,350.0		
6.05	Staircase at all floors & heights.	Sqm	360.0		
6.06	Overhead tanks.	Sqm	295.0		
6.07	Sump Tanks	Sqm	Rate Only		
6.08	Retaining Walls	Sqm	240.0		
6.09	Lift Shaft top slab (Machine Roomless)	Sqm	30.0		
6.10	Lift Walls	Sqm	200.0		
	SUB TOTAL -FORM WORK -C				
7.00	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				
	Up to Pedastals	MT	140.00		
	Above pedastals	MT	520.00		
ii	Mild Steel	MT	Rate Only		
	SUB TOTAL - STEEL(Supplied by Clients free of cost) -D				

Sl.	Particulars	Unit	Qty.		
8.00	MISCELLANEOUS WORK				
8.01	Providing & placing in position SYNKOFLEX Performed, Flexible, Compressive, Plastic Adhesive Water stop, at junctions of floor & walls in RCC water retaining structures like Underground sump tank, Over head water tanks etc., and or wherever specified all				
	SYNKOFLEX Performed, Flexible, Compressive, Plastic Adhesive Water stop for UGSTank & OHT's	Rmt	100.00		
8.02	Providing and fixing in position 25mm thick pre moulded bitumen pads or bituminous filler boards or bituminous impregnated fiber boards (Of make shalitex or equivalent) confirming to IS 1838, for expansion joints between structural members including and cutting and positioning. The rate shall including sealing of top of the exposed ends with polysulphide sealant of 25mm deep	Rmt	Rate Only		
8.03	Drilling Holes in Hard Granite or Sheet rock and grouting the holes with neat Cement Slurry				
a	32mm dia (heavy duty)	nos	Rate only		
b	20mm dia (heavy duty)	nos	Rate only		
c	16mm dia (heavy duty)	nos	Rate only		
d	12mm dia	nos	Rate only		
8.04	Providing and Rock anchoring in position high strength anchor bolts of grade 5.8 or equivalent and specified dia and standard lengths including necessary drilling up to 150mm depth (min), anchoring and grouting with grouting compound as per specification with necessary equipments etc., complete as per specifications of agency approved by Consultants (HILTY or equivalent)				
a	32mm dia (heavy duty)	nos	Rate only		
a	20mm dia (heavy duty)	nos	Rate only		
b	16mm dia (heavy duty)	nos	Rate only		
c	12mm dia	nos	Rate only		
9.00	Providing & fixing in position PVC rungs for overhead water tanks/sump tanks, as per manufacture specification, fixed to RC walls with necessary fasteners and cement mortar grouting etc., complete with all lead & lift for all materials & labour and as directed				
	25mm PVC Rungs in OHT's	Nos	Rate only		
10.00	SOLING				
	Providing and Laying Rubble Soling with 150mm thick soling material like granite hand broken metal, using quarry dust cushion of 50mm thick over compacted base, the voids shall be filled with 40mm down size metal, blindage with murum or material as approved by the consultants and mechanically compacted by vibratory power roller of 8-10 T capacity (5-6 times) to get required profile, etc, complete, as per standard specifications and as directed by engineer-in-charge. Watering adequately and bringing the top surface to the required level with proper cambers as specified (CBR test shall be carried and the same to be approved by Consultants before proceeding for next layer).				
a	Floor	Sqm	Rate Only		
b	Footings	Sqm	Rate Only		
11.00	Labour supply				
11.01	Mason	day	10.0		
	Male coolie	day	10.0		
	Female coolie	day	15.0		
11.02	Carpenter	day	10.0		
	Helper- Male coolie	day	10.0		
11.03	Bar bender	day	10.0		
	Helper- Male coolie	day	10.0		
11.04	Welder	day	5.0		
	Helper- Male coolie	day	5.0		
	SUB TOTAL - MISCELLANEOUS WORK - E				
	Sub Total Part-A+B+C Excluding Tax				
	GST 18%				
	Grand Total A+B+C including Taxes				