

TENDER DOCUMENT



**TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING
SOICIETY LTD (E-TYPE)**

**Anupama Housing Complex,
Flat No. 45E/2, V.I.P. Road, Mondal Ganhi,
Kolkata-700052.**

Tender No. : TAC/TYPE-E/FLATS/2024-25/1

BID – I

EARNEST MONEY DEPOSIT & TENDER FEES

NAME OF WORK: TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING.

BID-III (CONSIST OF PART- I, PART-II & PART-III) – CONDITIONS OF CONTRACT AND TECHNICAL SPECIFICATIONS (THIS DOCUMENT IS TO BE STAMPED & SIGNED OF EACH PAGES BY LOWEST TENDERER ONLY AS & WHEN ASK FOR).

The Earnest Money Deposit and Tender Document Fees are to be physically submitted if the Tenderers are to avail the option of Demand Draft/Pay Order/Banker's Cheque/Bank Guarantee/NEFT UTR. No. at the following address by 15.30hrs of 19.03.2025:

The Secretary,

Tilottama Anupama Co-operative Housing Society Ltd. (E-Type), 45E/2, Anupama Housing Complex, V.I.P. Road, Kolkata-700052

BID- I: (Earnest Money Deposit & Tender Fee): The physical submission of Earnest Money Deposit & Tender Fees are to be mandatory if the bidders are willing to avail the option in form of Demand Draft/Pay Order/Bank Guarantee on or before 19.03.2025 up to 15.30 hrs with sealed envelope to The Secretary, Tilottama Anupama Co-operative Housing Society Ltd. (E-Type), 45E/2, Anupama Housing Complex, V.I.P. Road, Kolkata-700052 If the bidders are willing to avail the option to pay the Earnest Money Deposit & Tender Fees through NEFT/RTGS, then it is mandatory to send the scanned copy of NEFT/RTGS/UTR no to our office through email (Email Id: tilottamahousing@gmail.com) one day before last date of submission of tender (follow the key dates of tendering programme). The BID-I, sealed envelope super scribing TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING” as per the following (if the bidders are willing to avail the option in form of Demand Draft/Pay Order/Bank Guarantee) :

a) Tender Fee of Rs 2,000/- (Rupees two thousand only) (non-refundable) in the form of Cash/Demand Draft/Pay order/ Banker's Cheque/RTGS/NEFT/ Money receipt in above mentioned office in favour of “Tilottama Anupama Co-operative Housing Society Ltd. (E-Type)” payable at “Kolkata”.

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b) Earnest Money Deposit of Rs 2,00,000/- (Rupees Two lakhs only) in the form of Demand Draft/Pay Order/Banker's Cheque/RTGS/NEFT in favour of "Tilottama Anupama Co-operative Housing Society Ltd. (E-Type)" payable at "Kolkata".

OR

50% amount i.e. Rs1,00,000/- (Rupees One lakhs only) in the form of Bank Guarantee (as per enclosed proforma) of any Nationalized/Scheduled Bank & another 50% i.e. Rs.1,00,000/- (Rupees One lakhs only) in the form of Demand Draft/Pay Order/Banker's Cheque/RTGS/NEFT drawn in favour of "Tilottama Anupama Co-operative Housing Society Ltd. (E-Type)" payable at "Kolkata". The Bank guarantee shall be from any Nationalized /Scheduled Bank preferably at Kolkata.

OR

Total amount i.e. Rs.2,00,000/- (Rupees Two lakhs only) in the form of Bank Guarantee (as per enclosed proforma) of any Nationalized/Scheduled Bank preferably at Kolkata.

OR

Tender Fee of Rs 2,000/- (Rupees two thousand only) (non-refundable) and Earnest Money Deposit of Rs 2,00,000/-(Rupees Two lakhs only) payment through NEFT mode directly to the Account of Tilottama Anupama Co-operative Housing Society Ltd. (E-Type).

The Tenderer should ensure that their tender is received on or before the due date and time as specified in "Key Dates" in the Tender Document. Society shall not be bound to own any responsibilities related to non-submission of tender/tenders on time & date specified due to any postal delay or any delay related to communications, hence delay in submission of tender/tenders are liable for rejection.

Please note that bidder/bidders should not write his/their name/contact number/Email ID etc on the envelop of the BID-I, BID-II (BID-I envelop should be inside the envelop of BID-II) & BID-III but to mention the name of the work & address of the Society positively with his/their date & time of submission which will be countersigned by the authorized representative of the Society and then tender are allowed to submit in the designated drop box which will be under lock & key even under the custody of the Secretary.

Name of Bank : STATE BANK OF INDIA
Branch : KOYLAVIHARVIPROAD(CODE:40711)
Account No. : 64083313078
IFSC CODE. : SBIN0040711
Account Type : SAVINGS

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1**1. BRIEF PARTICULARS ARE GIVEN IN THIS FOLLOWING TABLE:**

Sr.No	Name of Work	Estimated Cost	Earnest Money Deposit (EMD)	Tender Fee
1.	TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING.	Rs.1,00,84,320/- (Rupees One hundred lakhs eighty four thousand three hundred twenty only)	Rs.2,00,000/- (Rupees Two lakhs) (Refundable after evaluation of lowest bidder but from 3rd lowest onwards & refundable to the 2nd lowest after issuance of Work Commencement Order to the 1st lowest)	Rs 2,000/- (Rupees Two Thousand only) (Non-refundable)

2. Key Dates of various activities by Tender Committee & Bidders:

Sr.Nos	Description	Date	Time
	PRESS ADVERTISEMENT FOR TENDER ALONG WITH TENDER INVITATION NOTICE	19.02.2025	As per News Paper timing of delivery
1	COLLECTION OF TENDER DOCUMENTS FROM THE OFFICE OF THE TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD. (E-TYPE), 45E/2, ANUPAMA HOUSING COMPLEX, V.I.P. ROAD, KOLKATA-700052	19.02.2025 to 12.03.2025	From 10:30 hrs to 15:30 hrs-Tuesday to Thursday. From 10.30 hrs to 13.30 hrs-Sunday. Monday Closed.
2	LAST DATE OF PAYMENT(Tender document fee)	12.03.2025	From 10:30 hrs to 15:30 hrs. Tuesday to Thursday. From 10.30 hrs to 13.30 hrs-Sunday. Monday Closed

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

Dated 18.02.2025

Sr.Nos	Description	Date	Time
3	CLOSING OF TENDER SELLING	12.03.2025	Up to 15:30 hrs
4	PRE-BID DISCUSSION (ALL SUPPOSE TO BE QUALIFIED BIDDERS ARE IN THIS PART ALONG WITH TENDER COMMITTEE THOUGH FINAL SELECTION OF BIDDERS WILL BE DONE AFTER PQ-BID-II)	16.03.2025	From 11:30 hrs to 13:30 hrs
5	LAST DATE OF PAYMENT OF(EARNEST MONEY)	31.03.2025	From 10:30 hrs to 15:30 hrs
6	LAST DATE OF TENDER SUBMISSION (BID-II & BID-III) IN SEPARATE ENVELOPE MEANS SUBMISSION OF DOCUMENTS AS PER PQ REQUIREMENTS AND PRICE BID SEPERATELY BUT SYMULTANEOUSLY	12.04.2025	Up to 15:30 hrs
7	LAST DATE OF PQ-(OPENING OF BID-II)	14.04.2025	At 15:30 hrs
8	LAST DATE OF OPENING OF BID-III(PRICE BID)	26.04.2025	At 15:30 hrs

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

BID – II

PRE-QUALIFICATION BID

NAME OF WORK: TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS (THREE NOS OF BUILDINGS) & 16 NOS OF E-TYPE FLATS (ELEVEN NOS OF BUILDINGS)

BID-III (CONSIST OF PART- I, PART-II & PART-III) – CONDITIONS OF CONTRACT AND TECHNICAL SPECIFICATIONS (THIS DOCUMENT IS TO BE STAMPED & SIGNED OF EACH PAGES BY LOWEST TENDERER ONLY AS & WHEN ASK FOR).

The Earnest Money Deposit and Tender Document Fees are to be physically submitted if the Tenderers are avail the option of Demand Draft/Pay Order/Banker's Cheque/Bank Guarantee/NEFT UTR. No. at the following address by 15.30hrs of 19.03.2025:

The Secretary,
Tilottama Anupama Co-operative Housing Society Ltd. (E-Type),
45E/2, Anupama Housing Complex,
V.I.P. Road,
Kolkata-700052

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

TENDER NOTICE FOR COMPETITIVE BIDDING

Bid No	TAC/TYPE-E/FLATS/2024-25/1 Dated 19.02.2025
Description of Works	TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS (THREE NOS OF BUILDINGS) & 16 NOS OF E-TYPE FLATS (ELEVEN NOS OF BUILDINGS)
Estimated Cost	Rs.100,84,320.19 (approx)
Sale Period	From 19.02.2025 to 12.03.2025 (From 10:30 hrs to 15:30 hrs)
Bid submission closing date & time	12.04.2025 (Up to 15:30 hrs)
Contact E-mail	tilottamahousing@gmail.com
Contact Mobile Nos	+916291818345/+ 916291794945
<p>Note: Any addendum/corrigendum/sale date extension in respect of above tenders shall be issued Via email & mobile Nos to the respective bidders/Authorized representative of those bidders according to their provided email ID and as well as mobile numbers during purchase of tender documents.</p>	
Date:19.02.2025	SECRETARY

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1**NOTICE INVITING TENDER (NIT)**

TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY Ltd. (E-Type) intends to invite Percentage Rate Tender FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING.

The Eligibility Criteria are as detailed below:-

Estimated cost (Rs. In lac)	Completion period in month.	Minimum bank solvency* (Rs. in lac). OR Net Worth Certificate**	Average annual financial Turn-over on construction works during any 3 (three) of the Financial years having maximum turnover among last 5 (five) years (in lac) 2018-2019 2019-2020 2020-2021 2021-2022 2022-2023	Work Experience: The applicant/bidder should have successfully completed similar works, during last 7 (seven) years ending last day of month previous to the one in which applications are invited should be either of the following:
A	B	C	D	E
100.84	175 (One hundred seventy five) Days	Bank Solvency Rs. 40.33 Lac OR Net worth Certificate Rs.10.08 Lac	Rs. 50.42 Lac	Three similar** completed works costing not less than the amount equal to Rs. 40.33 Lac OR Two similar** completed works costing not less than the amount equal to Rs. 50.42 Lac OR One similar** completed works costing not less than the amount equal to Rs. 80.67 Lac

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NOTES:

A. WORKS EXPERIENCE:

1. For arriving at current cost of similar works, value of qualifying work executed shall be brought to current costing level by enhancing the actual value of work at a simple rate of 7% per Annum calculated from the date of completion to the BID-II (Qualification Bid) Opening.

2. **Similar nature of work:** Any type of civil nature of work in Office Building, Residential Buildings, Commercial Building, Shopping Complex, Institutional Building but not Industrial Buildings like Ware House, Factories, Plants etc. unless otherwise mentioned specifically.

3. The applicants/bidders need to submit completion certificate for all qualifying works, containing the details such as Date of Commencement & Completion, Details of similar nature of works, Final Completion Cost duly certified by Authorized Officials in case of Govt./Semi Govt. or Public Sector Undertaking and Private work of same nature or otherwise.

4. In case, qualifying works are from Private Sector, the applicants/bidders to submit payment received details duly certified by Chartered Accountant. If called for documents such as copy of final bill or other relevant documents, to be submitted for verification.

5. Key Construction Activities Criteria:

(a) If the applicant/bidder is qualifying under criteria of work experience with Three completed works of similar nature (contract completed) each costing not less than the amount equal to **40%** of the estimated cost, their price bid (BID-III) can be opened otherwise he may be rejected unless otherwise their acceptance will be depend subject to the special approval obtained from the Chairman of the Society or Chairperson of the tender committee duly supported by all other members of the tender committee.

(b) If the applicant/bidder is qualifying under criteria of work experience with Two completed works of similar nature (contract completed) each costing not less than the amount equal to **50%** of the estimated cost, their price bid (BID-III) can be opened otherwise he may be rejected unless otherwise their acceptance will be depend subject to the special approval obtained from the Chairman of the Society or Chairperson of the tender committee duly supported by all other members of the tender committee.

(c) If the applicant/bidder is qualifying under criteria of work experience with One completed works of similar nature (contract completed) costing not less than the amount equal to **80%** of the estimated cost, their price bid (BID-III) can be opened otherwise he may be rejected unless otherwise their acceptance will be depend subject to the special approval obtained from the Chairman of the Society or Chairperson of the tender committee duly supported by all other members of the tender committee.

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

B. AVERAGE ANNUAL FINANCIAL TURN OVER:

The Applicant should have Average Annual Financial Turn Over of not less than **Rs.50.42 Lac** on construction works during any 3 (three) of the Financial years having maximum turnover among last 5 (five) years ending **31st March 2023** i.e. Financial Year between **2018-2019, 2019-2020, 2020-2021, 2021-2022 & 2022-2023 (Scanned copy of certificate from Chartered Accountant to be submitted)**. The amount of annual Turnover as given in Prequalification criteria shall be only for construction/Renovation works duly certified by Chartered Accountant.

Please note that in case final audited account statements are not available for the last year i.e FY 2022-2023 then provisional account statements can be submitted duly certified by Chartered Accountant.

C. SOLVENCY/BANKER CERTIFICATE OR NETWORTH CERTIFICATE (ANY ONE TO BE SUBMITTED)

(i) Solvency/Banker Certificate to be at least 40% of estimated cost i.e. Rs. 40.33 Lac and should not be older than Twelve Months from the last date of submission of Bid. Solvency/Banker Certificate should have been issued by a Scheduled Commercial (i.e. Indian Or Foreign Bank included in Second Schedule of Reserve Bank Of India Act 1934 excluding Co-operative Banks or Regional Rural Banks) (Sample Form for Solvency Certificate – Annexure- “I” is attached)

OR

(ii) Net worth Certificate of minimum 10% of estimated cost i.e. **Rs.10.08 Lac** for the Proposed works issued/certified by Chartered Accountant (Sample Form for Net Worth Certificate – Annexure – “II” is attached).

D. DISQUALIFICATION:

Even if an applicant/bidder meets the Qualification Criteria, they shall be subject to disqualification if they or anyone of the constituent partner/Director is found to have.

- i) Made misleading or false representations in the forms, statements, affidavits and Attachments submitted in proof of the qualification requirement and/or
- ii) Records of poor performance during last five years, as on the date of NIT, such as Abandoning the work, rescission of the contract for reason which are attributable to non performance of the contractor, inordinate delays in completion, consistent history of litigation resulting in awards against the contractor or any of the constituents, of financial failure due to bankruptcy and so on.

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

E. JOINT VENTURE: Joint Ventures applicants will not be considered.

F. PERFORMANCE REPORT: for Qualifying works shall be called from Client as per Proforma – Annexure- “III”

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

ANNEXURE- "I"

The Secretary,
Tilottama Anupama Co-operative Housing Society Ltd. (E-Type),
45E/2, Anupama Housing Complex,
V.I.P. Road,
Kolkata-700052

BANKERS CERTIFICATE FROM A BANK

This is to certify that to the best of our knowledge and information that M/s /Shri..... having marginally noted address as a customer of our Bank are/is respectable and can be treated as good for any engagement up to a limit of Rs..... (Rupees.....) This certificate is issued without any guarantee or responsibility on the Bank or any of the Officers.

(Signature of Authorized Officials)
For the Bank.

Date:

Place:

NOTE:

1. Banker's Certificate should be on letter head of the Bank, addressed to Tender Issuing Authority..
2. In case Partnership firm, certificate should include names of all partners as recorded with the Bank.
3. The Bid will not be considered valid if any change to the above format is made

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

ANNEXURE- "II"

FROM THE CERTIFICATE OF NETWORTH FROM CHARTERED ACCOUNTANT

It is to certify that as per the audited Balance Sheet and Profit & Loss Account during the Financial Year 2022-2023 the Net Worth of M/s..... (Name & Registered Address of Individual/Firm/Company) as on 31st. March 2023 is Rs..... (Rupees.....) after considering all liabilities. It is certified that computation of Net Worth based on my/our scrutiny of the Book of Accounts. Records and Documents is true and correct to the best of my/our knowledge. It is further certified that the Net Worth of the Company has not eroded by more than 30% in the last three years ending 31st March, 2023.

(Signature of Chartered Accountant)

Name of Chartered Accountant:

Membership No. of ICAI:

UDIN:

Date:

Seal

NOTE:

1. The Net Worth certificate should be on letter head of the Chartered Accountant.
2. In case of Bidder is Partnership firm, Certificate should include names of all partners as recorded with the Chartered Accountants.
3. The Issued Net Worth Certificate should be uploaded in UDIN portal by the Chartered Accountant.

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1**ANNEXURE- "III"****PERFORMANCE REPORT OF WORKS REFERRED IN QUALIFICATION BID**

1	Name of Contractor & Address:	
2	Name of work/project & location:	
3	Agreement No.	
4	Estimated Cost:	
5	Tendered Cost: & Value of completed work	
6	Date of Completion	
	i) Stipulated date of completion	
	ii) Actual date of completion	
7	If actual date of completion is beyond original stipulated date of completion: a) Extended Period without imposition of penalty/Liquidated damages for..... Numbers of days/Months b) Extended Period with Penalty/Liquidated damages for..... Number if days/Months	
8	Performance	
(i)	Contractors Site Organization	a) Well Organized b) Adequate c) Poorly Organized
(ii)	Quality of materials with reference to specifications	a) Good b) Satisfactory c) Poor
(iii)	Workmanship and Supervision	a) Good b) Satisfactory c) Poor
(iv)	Labour Relations and facilities	a) Good b) Satisfactory c) Poor
(v)	Attitude towards settlement of disputes and differences	a) Co-operative b) Non Co-operative
(vi)	Safety Record a) Were there any accidental / structural collapses at site. b) If answer to (a) is Yes, state whether due to:	i) Yes ii) No i) Negligence ii) Improper work iii) Reasons beyond control

Any other remarks:

Dated Signature of Authorized Official

(Note: This format shall be part of Pre-Qualification Form and the Bidder shall obtain Performance Certificate from the Employer in above format and submit along with pre-qualification documents)

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Tender No.: TAC/TYPE-E/FLATS/2024-25/1
Tendering Programme

KEY DATES (TENDERING PROGRAMME)

Sl. No	Department Stage	Contractor Stage	Start Date and Time	Expiry Date and Time
1		Collecting of Tender Document	19.02.2025 to 12.03.2025	up to 15:30 hrs
2		Submission of tender Documents to designated box with lock & key arrangement	12.04.2025 from 10:30 hours	12.04.2025 up to 15:30 hrs
3		Last date of physical submission of EMD & Tender fees, if tenderers avail the option in form of DD/PO/BG in the office of Society	Same as above	Same as above
4		Last date of online payment through NEFT/RTGS for EMD & Tender Fees and to be deposited UTR no. in due date of submission of tender. UTR No & Receipt to be sent by email Id tilottamahousing@gmail.com	Same as above	Same as above
5		Pre-bid meeting	19.03.2025	From 11:30 hrs to 13:30 hrs
6		Physical Opening of BID-I and BID-II	12.04.2025 from 10:30 hrs	12.04.2025 up to 15:30 hrs

NOTE: The date of opening of BID- III (Financial BID) is 26.04.2025 else otherwise shall be intimated at a later date to contractors, who fulfill the selection criteria.

The venue of the Physical Submission of BID-I , BID-II ,BID-III and Pre-Bid Meeting:

Tilottama Anupama Co-operative Housing Society Ltd. (E-Type),
 45E/2, Anupama Housing Complex,
 V.I.P. Road,
 Kolkata-700052

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

INSTRUCTIONS IN REGARD TO SUBMISSION OF TENDERS

NOTE: Tenderer should note that non-compliance of the following instructions will render the tender liable for rejection.

1. Address to which the **BID - I** i.e. Earnest Money Deposit, Tender Fee in a sealed envelope is to be submitted physically if the tenderer to avail the option in form DD/PO/BG and if the tenderer avail the option through online RTGS/NEFT followed in Key dates as mentioned then tenderer should send the UTR No & Receipt copy by email: tilottamahousing@gmail.com in due date of submission of tender.

The Secretary,
Tilottama Anupama Co-operative Housing Society Ltd. (E-Type),
45E/2, Anupama Housing Complex,
V.I.P. Road,
Kolkata-700052

BID-II: PRE-QUALIFICATION BID - Tenderers should be submitted the all documents as per prequalification criteria along with relevant qualifies documents as per Proforma – P1

BID-III: This bid consist of three Parts i.e. PART-I, PART-II & PART-III. CONDITIONS OF CONTRACT AND TECHNICAL SPECIFICATIONS (PART-I & PART-II OF BID-III) is to be stamped & signed of each pages by the tenderer. PART-III of BID-III shall quote their rates on Percentage basis as per format given in the tender.

2. Last date for receipt of tenders: As per Key Dates is up to 15:30 hours of 16.03.2025.

3. Tenderer should ensure that the tender is received before the due date and time specified in the Key Dates of tender.

4. Tenderer should fill in all the relevant information in prescribed templates/forms and put his /their signature on the relevant places as required in the e-tendering System.

5. **Percentage Rates** should be filled in as per the format given in the Tender.

6. No liability whatsoever will be admitted nor claim allowed in respect of errors in the submitted tender due to missing / duplicate documents.

7. Proforma of **Articles of Agreement** should not be filled in by the tenderer. While the contract shall be deemed to have come into existence on issue of letter of acceptance to the successful tenderer, formal agreement shall be signed thereafter with the successful tenderer on non-judicial stamp paper of requisite value as per the proforma of **Articles of Agreement**.

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

8. Earnest Money accompanying the tender will be accepted only in the form of Demand Draft/Pay Order/Banker's Cheque of any Nationalized Bank/Approved Scheduled Bank/RTGS/NEFT drawn in favour of "TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD. (E-TYPE), 45E/2, ANUPAMA HOUSING COMPLEX, V.I.P. ROAD, KOLKATA-700052" payable at "Kolkata"

OR

50 % of the Earnest Money Deposit in the form of Bank Guarantee (as per enclosed proforma) and 50% in the form of CROSSED DEMAND DRAFT/ Pay Order/ Banker's Cheque /RTGS/NEFT of any of the Nationalized Banks / Approved Scheduled Banks drawn in favour of the "TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD. (E-TYPE), 45E/2, ANUPAMA HOUSING COMPLEX, V.I.P. ROAD, KOLKATA-700052" payable at "Kolkata" .

OR

Total amount i.e. Rs. Rs.2,00,000/- (Rupees Two lac only) in the form of Bank Guarantee (as per enclosed proforma) of any Nationalized/Scheduled Bank. The Bank guarantee shall be from any Nationalized /Scheduled Bank preferably at Kolkata and not in favour of any other Authority or location. Any tender, which is not accompanied by Earnest Money Deposit, shall be summarily rejected. **No interest will be paid for the period during which the earnest money lies in deposit with the TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD. (E-TYPE), 45E/2, ANUPAMA HOUSING COMPLEX, V.I.P. ROAD, KOLKATA-700052.**

9. **The tender shall be accompanied by a certified true copy of Power of Attorney in favour of the Signatory to the tender documents.** If the tender is submitted on behalf of a firm, it must be signed either by all partners or person holding a valid power of attorney from all partners constituting the firm. The person signing the tender on behalf of another partner(s) or on behalf of a firm on Company shall attach with the Tender a proper Power of Attorney duly executed in his favor by such other person(s) or by all the partners in accordance with the Constitution of the Company / Articles of Association, stating that he has the authority to sign on behalf of such other person(s) of the firm or the Company as the case may be, in all matters pertaining to the contract including the **Arbitration Clause**. The tenderers shall have to submit the same along with the tender, in such cases.

10. Contractors are warned that Cash, or Encashable Cheque, or Insurance Guarantee, or Fixed Deposit receipt in lieu of the aforementioned form of Earnest Money remittance will not be accepted.

11. Tenders containing errors are liable to be considered non-Bonafide at the discretion of the Competent Authority (Person who has a Power Of Delegation either as a Chairman Of the Society or Chair Person of Tender Committee or holding the Power by election procedure).

12. Tenderer should note that tender should remain open for consideration for a minimum period of SIX MONTHS from the date fixed for the receipt of tenders.

CONTRACTOR

SECRETARY

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

13. **TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD. (E-TYPE), 45E/2, ANUPAMA HOUSING COMPLEX, V.I.P. ROAD, KOLKATA-700052 reserves the right to accept any tender or to accept tenders in part or to reject any or all tenders without assigning reasons thereof.**

14. **Contractors should fill in their "PERCENTAGE RATE" in the prescribed form provided in this tender in both FIGURES and WORDS. Tenders containing the Percentage rate only in figures are liable to be considered non-Bonafide at the discretion of the Competent Authority (Person who has a Power Of Delegation either as a Chairman Of the Society or Chair Person of Tender Committee or holding the Power by election procedure) and entail forfeiture of Earnest Money Deposit.**

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1
TENDER EVALUATION PROCEDURE

Tenders are invited in Three Bids system.

BID- I: (Earnest Money Deposit & Tender Fee): The physical submission of Earnest Money Deposit & Tender Fees are to be mandatory if the bidders are willing to avail the option in form of Demand Draft/Pay Order/Bank Guarantee on or before 19.03.2025 up to 15.30hrs with sealed envelope to The Secretary, Tilottama Anupama Co- operative Housing Society Ltd. (E-Type), 45E/2, Anupama Housing Complex, V.I.P. Road, Kolkata-700052. . If the bidders are willing to avail the option to pay the Earnest Money Deposit & Tender Fees through NEFT/RTGS, then it is mandatory to send the scanned copy of NEFT/RTGS/UTR no to the office through email (Email Id: tilottamahousing@gmail.com) **one day before last date of submission of tender (follow the key dates of tendering programme). The BID-I**, sealed envelope superscribing “TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING. ” as per the following (if the bidders are willing to avail the option in form of Demand Draft/Pay Order/Bank Guarantee):

BID- II (Pre-Qualification Criteria): This bid will be submitted by filled in enrolment form with credentials of contractors including scan copy of Demand Draft/Pay Order/Banker’s Cheque/RTGS/NEFT of **Tender document fees of Rs. 2,000/- (Rupees two thousand only) (non-refundable)** and **Earnest Money Deposit of Rs. Rs.2,00,000/- (Rupees Two lac only)** in stipulated format. “Pre-qualification” will be selection of contractors on the basis of minimum bank solvency/net worth certificate, Annual turnover, confidential /Inspection report/s & Value of work done of similar nature etc. as mentioned in the selection Criteria. All the necessary required papers i.e. self attested copies of annual turnover & Net Worth Certificate (certified by Chartered Accountant), Bank solvency (issued latest or within Twelve months prior to date of this tender notice)/ net worth certificate issued by Chartered Accountant, copy of work/ works executed, Completion Certificates etc. are required as a **part of BID-II**.

BID-III(Price Bid): This bid consist of three Parts i.e. PART-I, PART-II & PART-III. CONDITIONS OF CONTRACT AND TECHNICAL SPECIFICATIONS (PART-I & PART-II OF BID-III) is to be stamped & signed of each pages by the tenderer. PART-III of BID-III, Tenderer shall quote their rates on Percentage Rate basis as per format given in this tender. **The tenderer shall note that no condition shall be mentioned in the Price Bid. The conditional Tender is liable to be rejected.** The Financial Bid-III (PART-I, PART-II & PART-III) will be opened on the scheduled date. Date of opening of FINANCIAL BID-III will be conveyed to the agencies who qualify in BID- I & BID-II. **The Percentage Rate quoted in Tender shall remain valid for five months twenty nine days from the last date of submission of Tender.**

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

On the due date of opening of Pre-qualification Bid, the BID - I will be opened first and the Prequalification Bid (BID -II) of contractors whose Tender fees and Earnest Money Deposit found in order shall be opened after wards.

Note:

- 1. The EMD of the contractors who do not qualify in the selection process will be released without opening Financial bid (BID-III) after complete selection procedure as stated earlier.**

CONTRACTOR

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

BANK GUARANTEE IN LIEU OF EARNEST MONEY (On Non-judicial Stamp Paper of Rs. 1000.00)

The Secretary,
Tilottama Anupama Co-operative Housing Society Ltd. (E-Type),
45E/2, Anupama Housing Complex,
V.I.P. Road,
Kolkata-700052

In consideration of the " The West Bengal Co-operative Societies Act, 2006, and the West Bengal Apartment Ownership Act, 1972, govern housing co-operative societies in West Bengal (hereinafter called " Tilottama Anupama Co-operative Housing Society Ltd. (E-Type), 45E/2, Anupama Housing Complex, V.I.P. Road, Kolkata-700052 " which expression shall include its successors and assignees wherever context or meaning shall so require or permit) published a tender for the work having name and title "TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING.

" (hereinafter called "The Tender" which expression shall include any amendment, alteration to "The Tender" issued by "The Society").

M/S..... a partnership firm / sole proprietor / a company registered under the company act, 1956 having its office at(here in after called "The Tenderer" which expression shall include its executors, administrators and assigns) having participated against "The Tender" for cited works for "The Society" and having agreed to accept the payment of Earnest Money amounting to Rs..... (Rupees..... Only) in form of an unconditional and irrevocable Bank Guarantee for the fulfillment of laid down condition of "The Tender".

1. We,..... Bank having office at (herein after referred to as "The Bank" which expression shall include its successors and assigns) at the request and on behalf of "The Tenderer" do hereby guarantee and undertake to pay " The Society " immediately on demand any or all money to the extent of Rs.....(Rupees..... only) as aforesaid at any time up to (date) without any demur , reservation , contest, recourse or protest and / or without any reference to "The Tenderer". Any such demand made by "The Society" on "The Bank" shall be conclusive and binding notwithstanding any difference between "The Corporation" and "The Tenderer " or any dispute pending before any Court, Tribunal, Arbitrator or any other authority.

CONTRACTOR

SECRETARY

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

2. We("The Bank") agree that the guarantee herein contained shall be irrevocable and shall continue to be enforceable till "The Corporation" discharges this guarantee.

3. We, Bank further agree that the amount demanded by "The Society" as such shall be final and binding on "The Bank" as to " The Bank " 's liability to pay and the amount demanded and "The Bank" to undertake to pay "The Corporation" the amount so demanded on first demand and without any demur notwithstanding any dispute raised by "The Tenderer" or any suit or other legal proceedings including arbitration pending before any court, tribunal or arbitrator relating thereto, our liability under this guarantee being absolute and unconditional.

4. We, Bank further agree with "The Society" that "The Society" shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of "The Tender"/ or to extend time of performance by "The Tenderer" from time to time or to postpone for any time to time any of the powers exercisable by "The Corporation" against "The Tenderer" and to forbear to enforce any of the terms and conditions relating to "The Tender" and we shall not be relived from our liability by reason of any such variation or extension being granted to "The Tenderer" or for any forbearance, act or omission on the part of "The Corporation" or any indulgence by "The Corporation" to "The Tenderer" or by any such matter or things whatsoever which under the law relating to sureties would but for this provision have the effect of reliving us.

5. NOTWITHSTANDING anything hereinbefore contained, our liability under this Guarantee is restricted to Rs..... (Rupees.....Only). Our liability under this guarantee shall remain in force until expiration of six (6) months from the due date of opening of "The Tender". Unless a demand or claim under this guarantee is made on us in writing within said period, that is, on or before all rights of "The Society" under the said guarantee shall be forfeited and we shall be relived and discharged from all liabilities there under.

6. We, Bank further undertake not to revoke this guarantee during its currency except with the previous consent of "The Society" in writing.

7. We, Bank lastly agree that "The Bank" 's liability under this guarantee shall not be affected by any change in the constitution of "The Tenderer".

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

8. "The Bank" has power to issue this guarantee in favour of "The Society" in terms of the documents and/or the Agreement / Contract or MOU entered into between "The Tenderer " and "The Bank" in this regard.

IN WITNESS WHEREOF "The Bank" has executed this document on this day of

ForBank
(by its constituted attorney)
(Signature of a person authorised to sign on behalf of "The Bank")

CONTRACTOR

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

INSTRUCTIONS FOR FILLING AND SUBMISSION OF PRE-QUALIFICATION BID(BID-II)

The Enrolment Form along with the Annexure A1, A2 and B to H shall be completely filled in all respect along with these instructions for filling and uploading of Enrolment Form.

1.Tenderers to note that all particulars required as per the form and Annexures shall be filled in completely in relevant strictly as per the format.

2. The forms not submitted strictly as per the above instructions within stipulated period are liable to be rejected.

3. The Pre-qualifying Bid of the eligible agencies, which fulfill the selection criteria, shall be evaluated. Please note that no enquiries or correspondence regarding the selection for issue of tenders shall be entertained.

4. Latest Solvency Certificate from any Nationalized/Scheduled Bank of an amount of Rs. 40.33 Lac OR Net Worth Certificate Rs.10.08 Lac as mentioned in the pre-qualification tender notice should be uploaded submitted along with BID - I.

5. The Tenderers are advised to follow the instructions given below :

(a) Enrolment Form shall be filled in prescribed format which is given along with this tender in capital letters or and typed.

(b) Full address of the site of work, owner or authority under whom the works have been carried out should be given (Please refer Annexure D & E).

(c) The Tenderer should ensure to submit the satisfactory Completion Certificate giving the value of work, year of completion and it should also tally with the value of final bill in Annexure D (completion certificate shall be as per enclosed Annexure-III).

(d) The annual turnover should be based on latest Income Tax Clearance Certificate duly cleared by Income Tax Department or audited balance sheet, copy of which should be enclosed.

(e) Copy of Agreement in case of works carried out for private agencies should be enclosed.

6. All the documents are to be self attested by the authorized signatory and to be submitted along with the tender.

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

7. Please note that the submission of Pre-qualification BID does not confer any right to claim for selection for further tendering process.

8. Competent Authority (Person who has a Power Of Delegation either as a Chairman Of the Society or Chair Person of Tender Committee or holding the Power by election procedure) reserves the right to reject the Prequalification BID of the applicant without assigning any reason whatsoever.

Encl: Enrolment Form with Annexure A1, A2 and B to G

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1
FORM FOR ENROLMENT OF CONTRACTORS- P1

Please note that all documents required to be submitted along with filled in Enrolment form are to be self attested by the authorized person of the applicant with an undertaking that full responsibility is taken by him/her on behalf the applicant for veracity of submitted documents.

I / We _____ am / are desirous of carrying out the above mentioned work and hereby apply for the "TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING."I/We give the following details for your consideration:

Sl.No	QUERY		ANSWER
1	Name of the firm		
2	Address:		
3	Local Address:		
4	PAN No		
5	Valid EPF Registration No.		
6	Goods & Service Tax (GST) No.		
7	Contact Details	Office Phone No.	
		Residence Phone No.	
		Mobile No.	
		Fax No.	
		Email	
8	Telegraphic Address, if any		
9	Month and year in which the firm was established in present name		
10	Particulars of old firm (if present firm is new) if main partners of the present firm were working as construction contractors, in some other name in the past (The partnership deed of old firm be enclosed).		
11	Particulars of sister construction firms, if any		
(i)	What is the constitution of firm viz. Sole Proprietor, Partnership, Pvt. Ltd., Public Ltd., etc.		
(ii)	Enclose copy of partnership deed, Articles of Association or Affidavit in case of sole proprietorship as per Annexure A-1.		
(iii)	Fill-in enclosed Annexure A-2.		

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

12	Fill and enclose Annexure B giving details of enrolment in the past and with other organizations.at present			
13	Has the applicant or his partners or Directors been black listed in the past by any Central or State Govt. Deptt. / Organization (undertaking boards, corporations, local bodies etc.)			
14	i) Annual Turn Over of last Five financial years ending 31st March, 2023 i.e. Financial Year 2018-2019, 2019-2020, 2020-2021, 2021-22 & 2022-2023. (enclose documentary evidence or proof to support figures duly certified by Chartered Accountant with membership no.)		FINANCIAL YEAR	Rs. in Lac
		(i)	2018-2019	
		(ii)	2019-2020	
		(iii)	2020-2021	
		(iv)	2021-2022	
	(v)	2022-2023		
	ii) What evidence of proof is enclosed to support the amounts of yearly turnover		Certificate enclosed for Assessment year _____	
	iii) Enclose latest income tax clearance Certificate			
	iv) Enclose statement of Accounts of last 5 years as mentioned above duly certified by the Chartered Accountant (i.e.2018-2019, 2019-2020, 2020-2021, 2021-22 & 2022-2023.).			
15	i) Name and complete postal address of bankers			
	ii) NEFT and Bank Account Details (Photocopy of cancelled cheque should be attach):		Name of Bank:	
			Account No:	
			IFSC Code:	

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

15 Contd.	iii) Enclose solvency certificate indicating amount. (The certificate should not be more than 12 months old). Please provide following details about solvency certificate a) Complete address if the Bank who has issued solvency certificate: b) Telephone No. of the Bank connecting Branch Head: c) E-mail ID of the Bank: OR Enclosed Net Worth certificate as per Pre-qualification criteria which is certified by Chartered Accountant (Sample Form for Net Worth Certificate – Annexure –II is attached)		
	iv) Bank Guarantee limit with Various banks.		i) Rs.....Lac with..... ii) Rs.....Lac with..... iii) Rs.....Lac with
16	i) Enclose list of immovable properties with complete postal addresses, full description & reasonable market value of property duly supported by certificate of D.M./Collector/First Class Magistrate/ approved valuer.		
	ii) Whose supporting certificate is enclosed		Rs. _____ of _____ Date _____

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

17	i) Particulars of movable properties along with Banker's reference		
	Value of tools & plants		Rs.
	Other Assets		Rs.
	Total		Rs.
	ii) Whose reference is enclosed?		
18	Fill in and enclose list of tools as per Annexure-C enclosed.		
19	Fill in & enclose Annexure-D giving full particulars about major works completed during past Seven years NOTE: List of only those works which are carried out by firm requesting for enrolment is to be given (As per Annexure-III).		
20	Work in Progress:		
	i) Whether full details of major work on hand given in Annexure-'E'		
	ii) Are copies of work orders for such large works enclosed		
21	Whether full information regarding permanent technical staff employed given in Annexure 'F'		
22	i) How do you normally carry out works of water supply, sanitary and plumbing installations		
	ii) Who is the license holder and what is his experience of this work is.		
23	i) How do you normally get work of Electrical installations carried out		
	ii) Who is the license holder & what is his experience		
24	Any other information the applicant might like to give		

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SECRETARY
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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

DECLARATION

I/We agree to notify the officer accepting this application and registering my/our names on list of contractors of Life Insurance Corporation of India, of any changes in the foregoing particulars as and when they occur and to verify and confirm.

I/We understand and agree that the appropriate Tilottama Anupama Co-operative Housing Society Ltd. (E-Type), 45E/2, Anupama Housing Complex, V.I.P. Road, Kolkata-700052 Competent Authority (Person who has a Power Of Delegation either as a Chairman Of the Society or Chair Person of Tender Committee or holding the Power by election procedure) has the right as he may decide, not to issue tender form in any particular case and also to suspend, remove or blacklist my/our name from Tilottama Anupama Co-operative Housing Society Ltd. (E-Type), 45E/2, Anupama Housing Complex, V.I.P. Road, Kolkata-700052, list of contractors in the event of my/our furnishing false particulars in the enrolment form or submitting non-bonafide tenders or for technical or other delinquency in regard to which the decision of Competent Authority (Person who has a Power Of Delegation either as a Chairman Of the Society or Chair Person of Tender Committee or holding the Power by election procedure) shall be final and conclusive.

I/We certify that the particulars furnished in the enrolment forms are correct and that should it be found that I/We have given a false certificate or that if I/We fail to notify the fact of my/our subsequent amalgamation with another contractor or firm, the Tilottama Anupama Co-operative Housing Society Ltd. (E-Type), 45E/2, Anupama Housing Complex, V.I.P. Road, Kolkata-700052 may remove my/our name from the list of contractors and any contract that I/We may be holding at the time may be rescinded.

PLACE :

DATE :

SIGNATURE OF CONTRACTOR

CONTRACTOR

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

ANNEXURE – A1

A F F I D A V I T

(On Non Judicial Stamp paper of Rs. 100/- in case the individual who is the sole proprietor of the firm) I

..... s/o
..... age years, occupation business r/o
..... do hereby state on oath as under:

That I am residing in locality of District since last years. That I am the sole proprietor of a proprietary concern name and style as “.....” having it’s office at District dealing in business of Government, civil contracts and ancillary works attached therefore.

Deponent _____

Hence this affidavit.

Note: This Affidavit shall be notarized.

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

ANNEXURE A2

**CONSTITUTION OF FIRM –
SOLE PROPRIETORSHIP/PARTNERSHIP/LTD.CO./OTHER**

DETAILS OF CONSTITUTENTS

Sr. No	Name of sole partner or Director / other High Officials	Age	Share	Technical Experience			Whether power of attorney Holder
				Year to Year to	As Employee	As contractor	
1	2	3	4	5	6	7	8

CONTRACTOR

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PARTICULARS OF ENROLMENT WITH ANY OTHER SOCIETY/SOCIETIES AND OTHER ORGANIZATION

I. ENROLMENT WITH ANY OTHER SOCIETY OR SOCIETIES:

Name of works for 1)

Which enrolled by 2)

L.I.C. in the past 3)

4)

Sr. Nos. for which tenders were submitted :

Sr. Nos. for which work-order was received:

II. ENROLMENT WITH OTHER ORGANISATIONS:

Sr. No.	Name & Address of Authority with Whom you are enrolled	FIRST TIME ENROLMENT		LAST RENEWAL OR ENROLMENT			
		Year to year	Is copy of letter enclosed	Year to year	Class or Category	Limit (Rs. in Lac)	Is copy of letter enclosed
1	2	3	4	5	6	7	8

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PARTICULARS OF SHUTTERING, TOOLS AND PLANT

Sr No.	Item	Specification	Quantity	Estimated Value	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1	a) Shuttering plates b) Shuttering wooden planks c) Wooden props d) Steel props				
2	Concrete Mixers				
3	Concrete Vibrators i) Petrol Driven ii) Electric Driven				
4	Tower Hoist				
5	Trucks				
6	Welding Equipments				
7	Pump-Sets				
8	Floor-Polishing Machine				
9	Cranes				
10	Others				

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

ANNEXURE – D

LIST OF MAJOR WORKS COMPLETED DURING LAST SEVEN YEARS

The detail address along with Phone No. and E-mail ID of the Authority under whom works was carried out must be given.

Sr. No.	Name and Complete Postal Address of			Order			Value of work as per final bill (Rs. in Lac)	Commencement of work, month Year	Completion of work, month Year	Penalty levied for delay of completion, if any	
	1	2	3	4	5	6					7
	Site of Work & Nature of Work	Owner	Authority under whom work was carried out	Ref. No. & Date	Contract Amount (Rs. in Lac)	Is copy enclosed					
(a)											
(b)											
(c)											
(d)											
(e)											
(f)											
(g)											

SIGNATURE OF CONTRACTOR

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

ANNEXURE – E

LIST OF WORK IN HAND

Sr. No.	Name and Complete Postal Address of			Order			Value of work as per final bill (Rs. in Lac)	Commencement of work, month Year	Completion of work, month Year
	1	2	3	4	5	6			
	Site of Work & Nature of Work	Owner	Authority under whom work was carried out	Ref. No. & Date	Contract Amount (Rs. in Lac)	Is copy enclosed			
(a)									
(b)									
(c)									
(d)									
(e)									
(f)									
(g)									

SIGNATURE OF CONTRACTOR

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ANNEXURE – F

PARTICULARS OF PERMANENT TECHNICAL STAFF

Sr. No.	Name	Designation	Age	Academic Qualification	Service with the Firm	Details of Experience Year to Year
1	2	3	4	5	6	7

SIGNATURE OF CONTRACTOR

CONTRACTOR

SECRETARY
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PRE-QUALIFICATION BID CHECKLIST**ENROLMENT CHECKLIST**

Sr. No.	Description of Enclosure	Refer Item of form	Submitted YES/NO
1	PAN, GST Registration & EPF Registration no.	4	
2	Partnership deed / Articles of Association / Affidavit (☐) (☐) Annexure A-1	10 (ii)	
3	Annexure (A-2) as supplied	10 (iii) (Particulars of Partners)	
4	Annexure – B (as supplied)	11 (Particulars of enrolment in LIC and other Organization)	
5	Proof of Turnover	13 (i)	
6	Latest I.T.C.C.	13 (iii)	
7	NEFT Details/Account Details	14 (ii)	
8	Solvency Certificate	14 (iii)	
9	Certificate of Bank Guarantee	14(iv)	
10	Immovable Property certificate	15(ii)	
11	Movable Property certificate	16 (ii)	
12	(☐) Annexure 'C' (as supplied)	17 (Particulars of tools/ plant)	
13	(☐) Annexure 'D' (as supplied)	18 (List of major works completed during last 7 years)	
14	(☐) Annexure 'E' (as supplied)	19 (i) (List of work in hand)	
15	(☐) Copies of work order	19 (ii)	
16	(☐) Annexure 'F' (as supplied)	20 (Particulars of permanent technical staff)	

SIGNATURE OF CONTRACTOR

CONTRACTOR

SECRETARY

Tender No. : TAC/TYPE-E/FLATS/2024-25/1

PART-I OF BID – III

NAME OF WORK: TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING.

BID-III (CONSIST OF PART- I, PART-II & PART-III) – CONDITIONS OF CONTRACT AND TECHNICAL SPECIFICATIONS (THIS DOCUMENT IS TO BE STAMPED & SIGNED OF EACH PAGES BY LOWEST TENDERER ONLY AS & WHEN ASK FOR).

The Earnest Money Deposit and Tender Document Fees are to be physically submitted if the Tenderers are avail the option of Demand Draft/Pay Order/Banker's Cheque/Bank Guarantee/NEFT UTR. No. at the following address by 15.30hrs of 19.03.2025:

The Secretary,
Tilottama Anupama Co-operative Housing Society Ltd. (E-Type), 45E/2, Anupama Housing Complex,
V.I.P. Road, Kolkata-700052

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CONDITIONS OF CONTRACT

1. INTERPRETATIONS:

1.1 In construing these Conditions, the Specifications, the Priced Schedule of Quantities, Tender and Agreement, the following words shall have the meanings herein assigned to them except where the subject or context otherwise requires:

1.2 "Employer" shall mean Tilottama Anupama Co-operative Housing Society Ltd. (E-Type), 45E/2, Anupama Housing Complex, V.I.P. Road, Kolkata-700052 and his (their) heirs, legal representatives, assignees and successors OR Society.

1.3 "SECRETARY" shall mean the person occupying the said honorary post on behalf of Tilottama Anupama Co-operative Housing Society Ltd. (E-Type), 45E/2, Anupama Housing Complex, V.I.P. Road, Kolkata-700052, which may change by the decision of "The Chairman" of the said Society as per their statutory rules & law by the election procedure or nomination.

1.4 "Supervisors of the Society" shall mean such members of the Society who shall from time to time be selected as a honorary post/posts by the Secretary or Chairman of the same Society for supervising the work being described as "Authorized representative/representatives" who may Supervise the work on behalf of the Society for any purpose in connection therewith:

1.5 The term "Authorized representative/representatives" also mean the person or persons selected as honorary post/posts selected by the Secretary or Chairman or Chairperson of the Committee of the Society, may perform their duty on behalf of the members/dwellers of the individual building or as whole buildings to superintendent the work.

1.6 The Contractor shall mean the individual, firm or company whether incorporated or not, who is awarded the contract & shall include the legal representative of such individual or the persons composing such firm or company or the successors of such individual, firm or company & the Permitted assignees of such individual, firm or company.

1.7 The "Site" shall mean the lands/buildings and/or other places on, in, into or through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract but that should be within the boundary of the said Society.

1.8 "This Contract" shall mean the Articles of Agreement, these Conditions, the General Instructions to Contractor, the General Preambles to Schedule of Quantities, Special Conditions, the priced Schedule of Quantities, the Specifications, the Appendices, and other related correspondence.

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1.9 "Act of Insolvency" shall mean any act of insolvency as defined by the Presidency Towns Insolvency Act, or the Provincial Insolvency Act or any amending Statute.

1.10 "Notice in Writing" or written notice shall mean a notice in written, typed or printed characters, sent (unless delivered personally or otherwise proved to have been received) by registered post to the last known private or business address or registered office of the addressee and shall be deemed to have been received when in the ordinary course of post it would have been delivered.

1.11 Words importing persons include Firms and Corporations, words importing the singular only also include the plural and vice versa where the context so requires.

1.12 The titles of the Clauses shall not affect or alter the meaning of Clauses and are solely for the purpose of facilitating reference.

1.13 Wherever the words "approved", "directed", "as required", "selected" or words of like effect are used, it is to be understood that the approval/direction, requirement or selection of the Society's representatives authorized time to time & case to case are intended unless otherwise specified.

1.14 The words "as described" shall mean the description in the Special Conditions, Specifications, General Instructions, etc. of this tender.

1.15 The words "allow" shall mean that the Contractor shall include in his rates for the particular matter referred to.

1.16 "Day Work" shall mean items of labour and/or materials which in the opinion of the Chairman/Chairperson of the Committee/ Secretary of the Society are not capable of being evaluated by the accepted method of measurement and analysis.

2. SCOPE OF CONTRACT:

2.1 The Contractor shall carry out and complete the works in every respect in accordance with this Contract and in accordance with the directions and to the satisfaction of the Society's authorized representatives. Those Representatives may issue further instruction and/or written instructions, details, directions and explanation in regard to:

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- a. The variation or modification of the Design, quality of works or the addition or omission or substitution of any work;
- b. Any discrepancy in the buildings or between the Schedule of Quantities and/or buildings and/or Specifications;
- c. The removal from the site of any materials brought thereon by the Contractor and the substitution of any other material thereof;
- d. The removal and/or re-execution of any work executed by the Contractor;
- e. The dismissal from the work of any persons employed thereupon;
- f. The opening up for inspection of any work covered thereupon;
- g. The amending and making good of any defects under relevant Clause giving details of defects after completion.

2.2 The Contractor shall forthwith comply with and duly execute all works comprised in such Instructions subject to the provisions of relevant specific conditions of the Contract. In the event of any dispute or difference of opinion the contractor shall refer the matter within 7 (seven) days of the issue of such instruction to the Chairman/Chairperson of the Committee/Secretary of the Society whose decision shall be final & binding.

3. DISCREPANCIES:

3.1 If there are varying or conflicting provisions made in any one document forming part of Contract, the Chairman/Chairperson of the Committee/Secretary of the Society shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the contractor.

3.2 The several documents forming the Contract are to be taken as mutually explanatory of one another, and the order of precedence shall be as follows;

- a) Special conditions
- b) General preambles to schedule of quantities
- c) General instructions
- d) Conditions of contract

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3.3 In case of discrepancies between the Schedule of Quantities, the specifications and/or drawings the following order of precedence shall be observed:

- (a) Description in Schedule of Quantities
- (b) Specifications of relevant Trade
- (c) Buildings; detailed measurement of different buildings shall be followed in preference to small scale measurements and figured dimension in preference to metric system up to two decimals (which is the second place to the right of the decimal point)
- (d) Indian Standard Specifications of 'BIS'

4. BUILDINGS AND SCHEDULE OF QUANTITIES:

4.1 All the existing buildings and Specifications and Schedule of Quantities shall be furnished by the Society to the contractor. Before taken up the work , actual requirement for de-plastering the existing surface, building wise, shall have to assess approximately after necessary hammer testing to the existing surfaces with the required help of Contractor/their Engineer/ Supervisor under the discretion of the authorized representatives of respective buildings & signed MOM of that copies should be available with both party and the Chairman/Chairperson of the Committee/Secretary of the Society and his/their Authorized representative/ representatives shall at all reasonable times have access to the same, and till completion of the contract. This Contract and the signed MOM, Specifications and Schedule of Quantities shall remain in the custody of the Society & Contractor.

5. CONTRACTOR TO PROVIDE EVERYTHING NECESSARY FOR EXECUTION OF WORK:

5.1 Contractor shall provide everything necessary for the proper execution of the work according to the intent & meaning of the Contract & existing buildings, Priced Schedule of Quantities and Specifications taken together, whether the same may or may not be explicitly shown or described therein provided that the same can reasonably be inferred there from and if the Contractor finds any discrepancy therein he shall immediately and in writing refer the same to the Secretary whose decision shall be final and binding on the Contractor.

5.2 The Contractor shall supply, fix and maintain at his cost during the execution of any work all the necessary Centering, Scaffolding, Staging, Planking, Timbering, Strutting, Shoring, Pumping, Fencing, Boarding, Watching and Lighting by night as well as by day, required not only for the proper execution and protection of the said work but also for the protection of the Public and the safety of any adjacent Roads, Streets, Cellars, Vaults, Ovens, Pavements, Walls, Houses, Buildings and all other erections, matters or things and the Contractors shall take down and remove any or all such Centering, Scaffolding, Staging, Planking, Timbering, Strutting, Shoring, etc., as occasion shall require or when ordered to do so, and shall fully reinstate and make good all matters and things disturbed during the execution of the work to the satisfaction of the Representatives of the Society.

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6. AUTHORITIES NOTICES AND PATENTS:

6.1 The Contractors shall conform to the provisions of any Acts of the Legislature relating to the work and to the Regulations and Bye-Laws of any Authority and or 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 Contracts or Specifications that may be necessitated by so conforming give to the Secretary written notice specifying the variations proposed to be made and the reasons for making them and apply for instructions thereon. In case the Contractor shall not within 7 (seven) days receive such instructions, he shall proceed with the work conforming with the Provisions, Regulations or Bye-Laws in question.

6.2 In particular, the Contractors shall be responsible to Register themselves under the Contract Labour (Regulation & Abolition) Act 1970 and Rules there under and any amendment thereto; they must comply with and carry out all the provisions and obligations under the said Act and Rules and furnish all information to Society as may be required by it and shall indemnify the Society against any penalties/claims arising from any default on their part.

6.3 The Contractor shall arrange to give all notices required by the said Acts, Regulations or Bye-Laws to be given to any Authority and to pay to such Authority or to any Public Office all fee that may be properly chargeable in respect of the work and lodge the original receipts issued by that office, with the Society.

6.4 The Contractors shall indemnify the Society against all claims in respect of patent, rights, and shall defend all actions arising from such claims unless he has informed the Secretary before any such infringement and received his permission to proceed and shall himself pay all royalties, license fees, damages, costs and charges of all and every sort that may be legally incurred in respect thereof.

6.5 The Contractor should observe that his work shall not cause any nuisance to the Public in general and to the neighboring occupants in particular.

6.6 Should the Contractor desire to work on Sundays, Holidays and during night hours, permission in writing from the Representatives of the Society must be obtained in time. It shall be the responsibility of the Contractor to obtain permission from Civil Authorities, if necessary.

7. SETTING OUT WORK:

7.1 The Contractor shall set out the work and shall be responsible for the true and perfect setting out of the same and for the corrections of the positions, levels, dimensions and alignment of all parts thereof. If at any time any error shall appear during the progress of any part of the work, the Contractor shall at his own cost rectify such error, if called upon, to the satisfaction of the Authorized representative/representatives of the Society. The Contractor must not commence work until the outlines of the building and Centre line layout have been pegged out and approved by the respective representatives of the respective building as decided.

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8. CONTRACTOR IMMEDIATELY TO REMOVE OFFENSIVE MATTER:

8.1 All soil, filth or other matter of an offensive nature taken out of any trench, sewer, drain, cesspool or other place shall not be deposited on the surface, but shall be at once carted away by the Contractor to some pit or place provided by him.

9. MATERIALS AND SAMPLES:

9.1 All the materials, stores, and equipments required for the full performance of the Contract must be provided through normal trade channels and must include applicable import duties and all applicable taxes and other charges, if any. They shall be of approved quality and the best of their kind available and the Contractor must be entirely responsible for the proper and efficient carrying out of the work. The Contractor shall order all materials required for the execution of the work from local as well as from outside sources if situation warrants so as early as necessary to the satisfaction of the Authorized representative/ representatives of the Society and to ensure that such materials are on site well ahead of requirement for use in the work. Non – availability of materials in local market will not be an issue behind slow progress of work.

9.2 Before ordering such materials, the Contractor shall get samples of the materials approved well in time. Preference shall be given to ISI marked products (If nomenclature of the item specify) and approved brands of requisite quality as mentioned in the tender. For materials, which are neither approved brands nor ISI marked, the same shall be got tested from approved laboratories (if such situation arise so far the nomenclature of the item specify) at the Contractor's cost before approval. Approved brand and ISI marked product (If nomenclature of the item specify) will also be tested if desired either by the Authorized representative/ representatives of the Society or Chairman/Chairperson of the Committee/Secretary of the Society and if the test results are satisfactory, the cost of testing shall be borne by the Society otherwise by the Contractor and in that case Contractor has to remove those materials at his/their own cost. No claim will be allowed for delay to the progress of work caused by test. If called upon by the Authorized representative/ representatives of the Society) the Contractor shall produce proof for having arranged for the supply of materials well in time.

9.3 The Contractor shall furnish well in time before work commences at his own cost, any samples of workmanship that may be called for by the Authorized representative/ representatives of the Society of the respective building for his/their approval or that can be re-examine by the Chairman/Chairperson of the Committee/Secretary of the Society and any further samples in case of rejection until such samples are approved. Such samples when approved shall be the minimum standard for the work to which they apply. The rates quoted in percentage on the estimated cost includes sampling, testing, re-do of sampling etc .up to the satisfaction of the Committee formed by the Society for overall work.

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10. ACCESS:

10.1 Any of the Representatives of the Society or any person/persons authorized by any one of them with respect to the Representatives of the respective building concerns shall at all reasonable time have free access to the work and/or the workshops, factories or other places where materials are being prepared or constructed for the Contract and also to any place where the materials are lying or from which they are being obtained and the Contractor shall give every facility to all of them necessary for inspection and examination and test of the materials (If nomenclature of the item needs standard test) and workmanship (true to proper line, level & in true plumb) Except the representatives of the Public Authorities, no person shall be allowed on the work at any time without the written permission of the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society.

If any work is to be done at a place other than the site of the work, the Contractor shall obtain the written permission of the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society for doing so. In such cases this extra cost is payable to the Contractor subject to submission his/their claim in CPWD format (Extra Item), if it is out of Scheduled items and it is well within the budget provision. However, even after executing extra item of works with such prior approval, during final payment it should not exceed the budget provision.

11. CONTRACTOR'S SUPERVISION & MINIMUM REQUIREMENT OF TECHNICAL STAFF:

11.1 The Contractor shall either himself supervise the execution of the contract or may appoint a Competent Agent/Supervisor/Engineer approved by the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society to act in his stead subject to written submission of the same by the Contractor prior to commence the work or in exigencies.

11.2 Where the contractor is not a qualified Engineer or even if he is so qualified, he cannot in the opinion of Secretary., give his full personal attention to the works, he shall at his own expense employ person(s) possessing the qualification and experience as described hereunder as his accredited agent/person/Engineer to supervise the works and to receive instructions from Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society. Any directions, instructions or notices given by the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society for respective building to such supervisor(s) shall be deemed to be given to the contractors.

a. FOR WORKS COSTING UPTO Rs. 100 LAC :

A qualified resident Engineer having a Government recognized Diploma in Civil Engineering and minimum of 3 years experience on building construction site OR two years of experience for this similar nature of works(Costing may be derived based on quoted rates).

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b. FOR WORKS COSTING MORE THAN Rs. 100 LAC & UPTO Rs. 200 LAC :

A qualified resident Engineer having a Recognized Degree in Civil Engineering or equivalent qualification and minimum of 3 years experience on building construction site or 2 years of experience in similar nature of this job/ or a recognized Diploma in Civil Engineering with minimum 5 years experience on such construction site or 3 years experience in similar nature of this job (Costing may be derived based on quoted rates)

If the contractor fails to employ suitable person(s) to supervise the work or fails to appoint replacement(s) when necessitated, amount as stipulated in the Appendix to the conditions of contract shall be recovered from the contractor's bill for each Engineer and each supervisor for the period of non-employment.

12. DISMISSAL OF WORKMEN:

12.1 The Contractor shall, on the instruction of the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society, immediately dismiss from the work any person employed thereon, who may, in the opinion of them, be unsuitable or incompetent or who may misconduct himself and such person shall not be again employed or allowed on the work without the permission of the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society under which power has been given to that Authorized representative/representatives.

13. DATES OF COMMENCEMENT AND COMPLETION:

13.1 The "Date of Commencement" shall be as stated in the Work Order and the Contractor shall thereupon and forthwith begin the work and shall regularly proceed with and complete the same on or before the "Date of Completion" stated in the Work Order, subject to the provisions for extension of time hereinafter contained.

14. ASSIGNMENT:

14.1 The whole of the work included in the Contract shall be executed by the Contractor and the Contractor shall not directly or indirectly transfer, assign or underlet the Contract or any part, are of interest therein nor shall he take a new partner without the written consent of the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society and no subletting shall relieve the Contractor from the full and entire responsibility of the Contract or from the active superintendence of the work during its progress.

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15. DEVIATION, VARIATION, EXTRA/DEVIATED ITEMS AND PRICING:

15.1 The Contractor should note that unless otherwise stated, the tender is strictly on Percentage Rate basis and his attention is drawn to the fact that rates for each and every item given in the Schedule of quantities, workable. The quantities in the Schedule of Quantities approximately indicate the total extent of work and no variation i.e. additions, omissions or subtractions shall vitiate the Contract. No liability shall attach to the Society for any error therein or variation there from.

15.2 The contractor may when authorized and shall when directed, in writing by the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society, whom the Society may for that purpose appoint, add to, omit from, make alterations in, substitutions for, or vary the works shown upon the existing buildings or described in Specifications or included in the priced Schedule of Quantities but the Contractor shall make no additions, omissions, alterations, substitutions or variations without such authorization or direction. A verbal authority or direction by the Secretary, if confirmed by the contractor in writing within 7 (seven) days, be deemed to have been given in writing.

15.3 The rates of such altered, additional or substituted works shall be determined in accordance with the following.

a)The net rates or prices in the original tender shall determine the valuation of the extra work where such extra work is of similar character and executed under similar conditions as the work priced therein.

b) The net price of the items in the original tender shall determine the value of the items omitted. However, if omissions vary the conditions under which any remaining items of the work are arrived out or if the amount of any omission relative to the amount of the whole of the Contract works or to any part thereof shall be such that in the opinion of the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society, the net rate or price contained in the Priced Schedule of Quantities or Tender or for any item of work involves loss or expenses beyond that reasonably contemplated by the Contractor and is by reason of such omission rendered unreasonable or inapplicable, the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society shall fix another rate or price as in the circumstance he shall think reasonable and proper.

c) If the rate for any altered, additional, or substituted item of work is not specified in the schedule of quantities, the rate for that item shall be derived from the rate for the nearest similar item specified therein.

d) If the rate for altered, additional or substituted item of work cannot be determined in the manner specified above, then such items of work shall be priced on the basis of coefficients of labour and materials as given in the latest CPWD rate analysis handbook and rates for labour and materials wherever applicable shall be the market rate prevailing at the time of execution.

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e) Where such co-efficient are not available in C.P.W.D. rate analysis, the actual Labour/Materials involved and recorded by the Authorized representative/ representatives of the Society in executing the items shall be considered.

f) Where extra work cannot be properly measured or valued, the Contractor shall be allowed "Day Work" prices at the net rates stated in the Tender or the Priced Schedule of Quantities or, if not so stated, then in accordance with the local "Day Work" rates and wages for the district, provided that in either case vouchers specifying the date and time (and if required by the representative/representatives the names of workmen employed) and materials incorporated be delivered for verification to the representative/representatives at or before the end of the week following that in which the work has been executed. Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society is not bound to recognize the cost of materials furnished in vouchers; the Third party at his discretion will fix the price of such materials based upon market value subject to the approval of Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society.

g) While fixing rates of extra items 15% (Fifteen percent only) shall be allowed over & above the basic rate of material (without GST), T & P, water charges and labor to cover all supervision, overheads, profits and all other applicable taxes/cess. GST on works contract will be paid separately.

h) For all extra items of work, the contractor should submit to the concerned Authorized representative/ representatives of the Society, the necessary particulars along with his analysis and the rate he proposes to claim for consideration within a period of 4 (four) weeks from the time of cropping up of any authorized extra / deviated item. He shall also ensure that all the authorized claims are included in the final bill. If the contractor fails to submit his claim within the stipulated period or the period duly extended by the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society shall proceed to fix the rate for the item(s) and the same shall be final and binding on the contractor.

i) The Contractor shall note that Extra/Deviated items claim and/or any other claim whatsoever if Submitted after submission of his Final Bill, will not be entertained and considered by the Society. The Contractor shall not be allowed to make any Additions/ Alterations/ Revisions / Changes/ Modifications/ Variations in the final bill, after the final bill is submitted by him.

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16. SUB-CONTRACTORS:

16.1 All specialist Merchants, Tradesmen and others, executing any work or supplying, fixing any goods for which provisional sums are included in the Schedule of Quantities and/or Specifications, who may be nominated or selected by the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society, who shall be the final authority are hereby declared to be Sub-Contractors and are herein referred to as nominated Sub-Contractors.

16.2 No nominated Sub-contractor shall be employed on or in connection with the work against whom the Contractors shall make reasonable objection or (save where the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society and the Contractor shall otherwise agree) who will not enter into a Contract providing: -

a) That the nominated Sub-Contractor shall indemnify the Contractor against the same obligation in respect of the Sub-Contractor as the Contractor is under, in respect of this Contract;

b). That the nominated Sub-Contractor shall indemnify the Contractor against claims in respect of any negligence by the Sub-Contractor or his servants or agents or any misuse by him or them of any scaffolding or other plant or the property of the Contractor or under any Workmen's Compensation Act in force.

17. THIRD PARTY LIABILITY, DAMAGE TO NEIGHBOURING PROPERTY, LOSS OF MATERIAL AND WORKMEN'S COMPENSATION:

17.1 The Contractor shall be responsible for all injury to persons, animals or things, and for all damage to structural and/or decorative part of property which may arise from the operations or neglect of himself or of any Sub-contractor or any of his Sub-Contractor's employees, whether such injury or damage arise from carelessness, accident or any other cause whatsoever in any way connected with the carrying out of his Contract. This Clause shall be held to include inter-alia, any damage to Building, whether immediately adjacent or otherwise and any damage to roads, streets, footpaths, bridges, or ways as well as all damage caused to the building, and the works forming the subject of this Contract by frost, rain, wind or other inclemency of the weather. The Contractor shall fully indemnify the Society and hold him harmless in respect of all and any expenses arising from any such injury or damage to persons or property as aforesaid and also in respect of all and any claim made in respect of injury or damage under any acts of Government or otherwise and also in respect of any award or compensation or damages consequent upon such claim.

17.2 The Contractor shall fully indemnify the Society against any loss, damage or deterioration for whatever reason, of all materials brought at site and especially material supplied by or paid for partly or wholly by the Society.

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17.3 The Contractor shall reinstate all damage and loss of every sort mentioned in this Clause so as to deliver up the whole of the Contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damage to the property of the third parties.

17.4 The Contractor shall fully indemnify the Society against all claims which may be made against the Society by any member of the Public or other third party in respect of anything which may arise in respect of the works or in consequence thereof.

17.5 The contractor shall at his own expense arrange to effect from the date of commencement & maintain till the date of virtual completion of contract, with any licensed general insurance company, a POLICY OF INSURANCE(Contractor's All Risk Policy) to cover all such risks detailed above viz. loss, damage & third party liability etc. The policy shall be of an amount as mentioned in Appendix to Conditions of contract and in the joint names of the Society & contractor and shall be deposited with the employer and renewed as required from time to time during the currency of the contract.

17.6 The Contractor shall also fully indemnify the Society against all claims which may be made upon the Society, whether under the WORKMEN'S COMPENSATION ACT or any other STATUTE in force during the currency of this Contract or at Common law in respect of any Employee of the Contractor or any Sub-Contractor and shall at his own expense effect and maintain until the Virtual completion of the work, with "licensed General Insurance Company" a POLICY OF INSURANCE of adequate amount in the joint names of the Society and the Contractor against such risks and deposit such policy or policies with the employer & renew the same as required from time to time during the currency of the Contract.

17.7 The Contractor shall be responsible for anything, which may be excluded from the Insurance Policies above referred to, and also for all other damage to any property arising out of or incidental to the negligence or defective carrying out of the Contract.

17.8 The amount of insurance to be taken for the above policies will be jointly decided between the contractor and the Society before issue of acceptance letter based on the tendered cost, nature of work, location of site, local hazards etc.

17.9 In default of the Contractor insuring as provided above, or having insured failing to renew the same as required the Society on his behalf may so insure/renew and may deduct the premiums paid from any monies due or which may become due to the Contractor together with penalty as the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society deems appropriate.

17.10 The Contractor shall also fully indemnify the Society in respect of any costs, charges or expenses arising out of any claim or proceedings at law and also in respect of any award of compensation of damages arising there from.

17.11 The Society shall be at liberty and is hereby empowered to deduct fully the amount of any damages, compensation costs, charges and expenses arising or accruing any such claim of damage from any sum or sums due or to become due to the Contractor.

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18. DELAY AND EXTENSION OF TIME:

18.1 If the works be delayed due to any of the following:

- (a) by force majeure ,
- (b) by reason of any exceptionally inclement weather,
- (c) by reason of proceedings taken or threatened by, or disputes with, adjoining or neighbouring owners, or public authorities,
- (d) by the work, or delays, of other Contractors or Tradesmen engaged by the Employer,
- (e) by reason of any additional work or instruction ordered by the employer,
- (f) by reason of Civil Commotion, local commotion of workmen or strike or lock-out affecting any of the building trades,
- (g) in consequence of the Contractor not having received in due time necessary instructions from the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society for which he shall have specifically applied in writing,
- (h) from other causes which the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society may certify as beyond the Control of the Contractor,
- (i) by reason of non-payment of interim certificate at specified time, Then upon the happening of any such event causing delay, the contractor shall immediately, give notice thereof in writing to the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society, but shall nevertheless use constantly his best endeavors to make good this delay.

18.2 Request for extension of time shall be made by the contractor at the earliest of the event causing delay.

18.3 In case of strike or lockout the Contractor shall give written notice thereof to the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society as soon as possible but he shall nevertheless constantly use his endeavors to prevent delay and shall do all that may reasonably be required to the satisfaction of the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society to proceed with the work.

18.4 The Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society shall make a fair and reasonable assessment of the delay and grant extension of time accordingly. Such extension shall be communicated to the contractor by the Corporation's Engineer immediately within 30 (Thirty) days of the date of receipt of request for extension. No application by the contractor for extension shall however not be a bar for giving fair and reasonable extension which shall be as decided by the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society

18.5 The decision of the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society as communicated by the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society to the contractor on the extension of time shall be final & binding..

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18.6 No claim in respect of compensation or otherwise, howsoever arising, as a result of extension granted under the above conditions shall be admissible.

19. COMPENSATION IN THE FORM OF PENALTY FOR DELAY OF WORK:

19.1 If the Contractor fails to complete the work by the date of completion stated in the "Appendix to Condition of Contract" or within time properly extended under Clause (18) hereof and the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society certifies in writing that in his opinion the same ought, reasonably so, to have been completed, the Contractor shall pay or allow the Employer compensation as mentioned in the " Appendix to condition of contract" as "Compensation in the form of penalty for delay of work" for delay of the work " for the period during which the said works shall so remain incomplete and the Society may deduct such damages from any money due to the Contractor. In case liquidated damages in accordance with the above provision accrue to maximum limit as mentioned in the Appendix to the Conditions of the Contract, the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society shall be at liberty to rescind the Contract and to get it completed entirely at the risk and cost of the Contractor through any other agency he decides to appoint. All extra expenses incurred shall be recoverable from the money due to Contractor or lying to his credit with the Society against the present or any other Contract.

Compensation in the form of Penalty for delay of work @ 0.5% of contract sum per week of delay subject to maximum 10% of contract sum.

20. FAILURE BY CONTRACTOR TO COMPLY WITH SOCIETY'S INSTRUCTIONS

20.1 If the Contractor after receipt of written notice from the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society, requiring compliance with such further instructions/ and/or his instructions, fails within 7 (seven) days to comply with the same the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society may employ and pay other persons to execute any such work whatsoever as may be necessary to give effect thereto and all additional costs incurred in connection therewith shall be deducted from any money due or to become due to the Contractor.

21. PAYMENT OF BILLS:

a. MEASUREMENT OF WORKS

21.1 The Authorized representative/representatives of the Society may, from time to time, intimate the contractor that he requires the work to be measured and the contractor shall forthwith attend or send a qualified representative to assist the Authorized representative/representatives of the Society or his representative in taking such measurements and calculations and to furnish all particulars or to give all assistance required by either of them. All items having a financial value shall be entered in the Measurement Book.

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All measurements and levels shall be taken jointly by the Contractor or his authorized representative and Site Engineer or his authorized representative from time to time during the progress of the work and such measurements shall be signed and dated by both the parties in token of their acceptance. If any of the measurements recorded are objected by any one of the party, a note shall be made to that effect with reason, signed by both parties and referred to Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society whose decision in the matter shall be final and binding. Measurements can also be recorded through electronic medium where specifically approved by Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society.

21.2 Should the contractor not attend or neglect or omit to send such representative, then the measurements taken by the Authorized representative/representatives of the Society or Third party shall be taken to be correct measurements of the work. Wherever not specified in the "Schedule of Quantities or elsewhere" the mode of measurements shall be in accordance with the latest brochure issued by the Indian Standards Institutions (now renamed as Bureau of Indian Standards) on "Method of measurement of Building works".

21.3 The Contractor or his representative may, at the time of measurement, take such notes and measurements as he may require.

21.4 All authorized extra work. Omissions and all variations made without the Chairman/Chairperson of the Committee/Secretary or Authorized representative/ representatives of the Society's knowledge, if subsequently sanctioned by him in writing, shall be included in such measurement.

21.5 If the contractor or his authorized representative does not record the measurements periodically for the completed works, then the Authorized representative/representatives of the Society shall take measurements after giving notice in writing of at least 3 (three) days. Measurements recorded in the absence of Contractor shall be intimated with a copy of such measurements to the contractor. If the contractor fails to countersign or record objections within a week from the date of measurement, then such measurement recorded in absence by the Site Engineer of the Contractor shall be deemed to be accepted by and binding on the Contractor with or without engaging Third party depends on the Society.

21.6 The Contractor shall, without any extra charge provide all assistance with every appliance, labour and other things necessary for taking measurements (either by him or by site Engineer) and recording levels including test checking of such measurements by any person Authorized representative/representatives of the Society

21.7 All work shall be measured net as fixed in its place. All measurements of 'cutting' shall be held to include for the consequent wastage on the materials used.

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21.8 Except where any general or detail description of the works expressly shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the specifications notwithstanding any provision in the relevant Standard Method of measurement or any general or local custom. In the case of items for which procedure is not covered in the specification, measurement shall be taken in accordance with the relevant Standard Method of measurement issued by BIS and if for any item no such standard is available then a mutually agreed method shall be followed.

21.9 Measurements of all hidden/concealed items of work including extra items if any, such as, R.C.C work in Chajjas & Lintels including applying bonding coat etc. steel in all R.C.C. work, replacement of plumbing line etc. shall be jointly recorded by the contractor or his Site Engineer or his authorized representative with Authorized representative/representatives of the Society before they are covered up. Immediately after the work is ready for measurements, Contractor will give specific notice to the Site Engineer for recording the measurements. If the Site Engineer or his authorized representative fails to record the measurements, the Contractor will refer the matter to the Authorized representative/representatives of the Society for instructions, but in no case shall cover up work without the latter's permission.

22. PAYMENTS:

22.1 The contractor shall be paid by the Society, from time to time, by installment under Interim Certificate to be issued by the Authorized representative/representatives of the Society to the Contractor on account of the work executed, when in the opinion of the Authorized representative/representatives of the Society, work to the approximate value named in the Appendix to the conditions of Contract as "Value of work for Interim certificate" (or less at the reasonable discretion of the Chairman/Chairperson of the Committee/Secretary of the Society) has been executed in accordance with this contract, subject however to a retention of the percentage of such value mentioned in Appendix to the Conditions of Contract hereto as "Retention percentage on account of Security Deposit". The Interim Certificate shall be based upon interim Bills of Running Account Bills to be prepared by the Contractor and supported by the detailed measurements. The Authorized representative/representatives of the Society may include in the Interim Certificate such amount as he may consider proper on account of materials delivered upon the site by the contractor for use in the work, after satisfying price of materials on basis of vouchers/bills submitted by the contractor.

In case any material have been supplied by the Society to the contractor in connection with the work, necessary recovery for the same shall be effected from the bills of the contractor by the Chairman/Chairperson of the Committee/Secretary of the Society at the issue rates of such materials as stipulated while calling for tenders and in other cases at a stock rate or market rates of such materials, whichever is higher.

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The contractor will, however, not be entitled to modify his rates for items of work requiring use of such materials and when the work has been virtually completed and the Chairman/Chairperson of the Committee/Secretary of the Society shall have certified in writing that it has been so completed on the basis of detailed measurements and after obtaining written endorsement by the Chairman/Chairperson of the Committee/Secretary of the Society that the Chairman/Chairperson of the Committee/ Secretary has made a final Scrutiny and that there are no disputed items, rates of quantities, the contractor shall be paid by the Society in accordance with certificate to be issued by the Secretary the sum of money named in the Appendix as "Installment after Virtual Completion" and the contractor shall be entitled to the payment of the final bill in accordance with the final certificate to be issued in writing by the Chairman/Chairperson of the Committee/Secretary of the Society with expiration of the period referred to as "Defects Liability Period", in the Appendix to Conditions of Contract hereto from the date of Virtual Completion or as soon after the expiration of such period as to work shall have been finally completed and all defects made good according to the true intent and meaning hereof, whichever shall last happen.

Provided always that the issue by the Chairman/Chairperson of the Committee/Secretary of the Society of any certificate during the progress of the works or at after their completion shall not relieve the contractor from his liability under Clause (2) in cases of fraud, dishonesty or fraudulent concealment relating to the work of materials or to nay matter dealt with in the certificate in case of all defects and insufficiencies in the work or materials which a reasonable examination would not have disclosed. No certificate of the Chairman/Chairperson of the Committee/Secretary of the Society shall of itself be conclusive evidence that any work or materials to which it related are in accordance with the contract.

The Chairman/Chairperson of the Committee/Secretary of the Society may make any correction in previous certificate which shall have been issued by the Authorized representative/representatives of the Society. Payment upon the Authorized representative/representatives of the Society's certificate shall be made within the periods named in the Appendix "Period for honoring Interim Certificate" after such a certificate has been delivered to the Society. The Chairman/Chairperson of the Committee/Secretary of the Society shall have power to withhold any certificate if the work or any parts thereof are not being carried out to his satisfaction.

22.2 Provided always that the issue by the Authorized representative/representatives of the Society of any Certificate during the progress of the works or after their completion shall not relieve the Contractor from his liability in cases of fraud, dishonesty or fraudulent concealment relating to the work or materials or any matter dealt with in the Certificate in case of all defects and insufficiencies in the work or materials which a reasonable examination would not have disclosed. No Certificate of the Authorized representative/representatives of the Society shall of itself be conclusive evidence that any work or materials to which it related are in accordance with the Contract.

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Then Society may appoint the Third party to set right those issues and after justified analysis made by the Third party may convince the Chairman/Chairperson of the Committee/Secretary of the Society.

22.3 Payment upon the Authorized representative/representatives of the Society's Certificate shall be made within the periods named in the Appendix "Period for honoring Interim Certificate" after such a Certificate has been delivered to the Society;

22.4 The Chairman/Chairperson of the Committee/Secretary of the Society shall have power to withhold any Certificate if the work or any parts thereof are not being carried out to his satisfaction. However, if the final certificate is not issued within the period as mentioned under Clause No.22.5, 26 due to Audit para by CTE etc., the amount involved for such items of deficient work as decided by Chairman/Chairperson of the Committee/Secretary of the Society would be with held. The same would be allowed as agreed upon by the CTE & the Chairman/Chairperson of the Committee/Secretary of the Society and the final certificate would accordingly be issued and final bill passed. For such withheld amount, a simple interest @ 6% per annum shall be paid to the contractor along with the said payment. Such interest will be calculated from the last date (as mentioned in Appendix to Conditions of Contract) for honoring final certificate till the date of payment.

22.5 The measurements and valuation in respect of the Contract shall be completed within the "period of Final Measurement" stated in the Appendix or if not so stated then within six months of the completion of the contract works as defined in Clause (26) hereof. No further claim shall be made by the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished.

22.6 The final certificate shall be based on the submission of final measurements or overall measurements of the work (to be taken if so directed by Authorized representative/representatives of the Society) with all relevant details similar to 22.1 above. The Secretary may direct the Contractor to resubmit details if the same are found incomplete to issue the final certificate and his decision to accept the details is final and binding on the Contractor. Final Certificate shall be issued by the Chairman/Chairperson of the Committee/Secretary of the Society after the conditions are met with as per 22.4, 22.5, 22.6 and 26 and contractor's submission of No Claim certificate cum receipt as per the Proforma given in Appendix to Conditions of Contract.

23. SECURED ADVANCE AGAINST MATERIALS :

23.1 The Contractor shall be entitled to be paid advance along with interim bill against materials which are not perishable and which are in the opinion of Authorized representative/representatives of the Society, required for the works and have been brought on site for incorporation in the work but have not been so incorporated and are safeguarded against loss due to any cause whatsoever, (refer clause no-17). The amount of such advance against materials shall be arrived at on the following basis:

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a)80% of the market value of materials required for the work and brought on site.

OR

80% of the cost of such materials (brought on site) as derived from the relevant accepted tender rate for the particular item involving such materials, whichever is lower.

b) Such advance payment made against materials shall be recovered from or adjusted from the Interim bills as and when the materials are utilized in the work.

Examples of certain perishable materials on which no advance shall be paid are Sand, chemical for bond coat, chemical/powder for water proofing Paint etc.

23.2 In case of dispute, the decision of the Chairman/Chairperson of the Committee/ Secretary of the Society on whether advance payment can be made against specific materials shall be final and binding.

24. UNFIXED MATERIALS AND EQUIPMENTS:

24.1 All tools, plants and materials brought to the site by the Contractor shall vest in the Society and shall not be removed from the site of works except by permission of the Chairman/Chairperson of the Committee/ Secretary of the Society in writing. The Society shall have a lien on these materials and plants.

25. REMOVAL OF IMPROPER WORK:

25.1 Authorized representative/representatives of the Society shall during the progress of the work have power to order in writing from time to time the removal from the work within such reasonable time or as may be specified in the order, of any materials, which in their opinion are not in accordance with the Specifications or instructions, the substitution of proper materials and the removal and proper re-execution of any work executed with materials or workmanship not in accordance with the Instructions and Specifications or Instructions and the Contractor shall forthwith carry out such an order at his own cost. In case of default on the part of the Contractor to carry out such an order, the Chairman/Chairperson of the Committee/ Secretary of the Society shall have the power to employ other persons to carry out the same and all expenses consequent thereon or incidental thereto as certified by the Authorized representative/representatives of the Society shall be borne by the Contractor and may be deducted from any amounts due or that may become due to the Contractor.

26. VIRTUAL COMPLETION:

26.1 The work shall be completed in accordance with the Contract and to the entire satisfaction of Chairman/Chairperson of the Committee/ Secretary of the Society. All unused materials, tools, plants, scaffoldings, temporary structures, hutments and things belonging to the Contractor shall be removed and the site of works cleared of rubbish and all waste materials by the contractor at his own expenses and delivered up tidy to the employer.

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After completion of the work, the contractor will serve a written notice to the Chairman/Chairperson of the Committee/ Secretary of the Society to this effect. The Chairman/Chairperson of the Committee/ Secretary of the Society after satisfying himself shall thereupon approve the virtual completion. The Defect Liability Period shall commence from the date of such certification.

27. DEFECTS AFTER COMPLETION:

27.1 The defects, shrinkage, settlements or other faults, which may appear within “the Defects Liability Period, stated in the “Appendix to the Conditions of Contract” or if not stated then, within **24 (twenty four) months after virtual completion of the work**, arising on account of materials or workmanship not in accordance with the Contract shall, upon the directions in writing of the Authorized representative/representatives of the Society and within such reasonable time specified therein, be amended and made good by the Contractor at his own cost unless the Chairman/Chairperson of the Committee/ Secretary of the Society shall decide that he ought to be paid for such amendment and for making good, and in case of default, the Chairman/Chairperson of the Committee/ Secretary of the Society may employ and pay other persons to amend and make good such defects, shrinkage, settlement or other faults, and all damages, loss and expenses consequent thereon or incidental thereto shall be recovered from any amount of money due or that may become due to the Contractor.

The Chairman/Chairperson of the Committee/ Secretary of the Society may in lieu of such amending and making good by the Contractors, deduct from any money due or that may become due to the Contractor, a sum to be determined by the Chairman/Chairperson of the Committee/ Secretary of the Society equivalent to the cost of amending such work. Should any defective work have been done or materials supplied by any Sub-Contractor employed on the work, who has been nominated or approved by the Chairman/Chairperson of the Committee/ Secretary of the Society as provided in Clause No.16 the Contractor shall be liable to make good in the same manner as if such work or material had been done or supplied by the Contractor and been subjected to the provisions of this Clause and Clause No.2 hereof. The Contractor shall remain liable under the provision of this Clause notwithstanding the payment of any Certificate or the passing of any accounts.

27.2 If ordered by the Chairman/Chairperson of the Committee/ Secretary of the Society, Contractor shall be required to carry out provisional sum items (If required according to the site situation) at the same conditions and rates as applicable for this Contract.

28. PROVISIONAL SUMS, APPLICATION OF:

28.1 For all the work listed under items for which provisional sums are provided in the tender, the Chairman/Chairperson of the Committee/ Secretary of the Society reserves the right to invite separate tenders or select or order from any manufacturer or firms at his discretion and reserves to himself the right of paying direct to persons or firms for any such work. The Contractor will not have any claims over these items, but if tenders are invited for such items, he will also be invited to quote along with others.

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29. OTHER PERSONS ENGAGED BY THE SOCIETY:

29.1 Chairman/Chairperson of the Committee/ Secretary of the Society reserves the right to execute any work not included in this Contract, which he may desire to have carried out, by other persons and the Contractor shall allow all reasonable facilities and the use of his scaffolding and plant for the execution of such work, but is not required to provide any special plant or materials for the execution of such work except by special arrangement with the Society. Such work shall be carried out in such manner as not to impede the progress of the work included in the Contract and the Contractor shall not be responsible for any damage or delay which may happen to or be occasioned by such work.

30. SUSPENSION BY THE CONTRACTOR:

30.1 If the Contractor except on account of any legal restraint upon the Society preventing the continuance of the work, shall suspend the work or in the opinion of the Chairman/Chairperson of the Committee/ Secretary of the Society shall neglect or fail to proceed with due diligence in the performance of his part of the Contract or if he shall make default in respect of Clause No.2, the Society shall have the power to give notice in writing to the Contractor requiring that the work be proceeded within a reasonable manner and with reasonable dispatch.

Such Notice shall purport to be a notice under this clause. After such notice is given, the Contractor shall not be at liberty to remove from the site of the work or from any ground contiguous thereto any plant or materials belonging to him, which shall have been placed thereon for the work and the Society shall have a lien upon all such plant and materials to subsist from the date of such notice being given until the notice shall have been complied with. If the Contractor shall fail for 7 (seven) days after such notice given to proceed with the work as therein prescribed, the Chairman/Chairperson of the Committee/ Secretary of the Society may proceed as provided in Clause No.31.

31. DETERMINATION OF CONTRACT BY SOCIETY:

31.1 If the Contractor (being an individual or a firm) commit any "Act of Insolvency" or shall be adjudged as Insolvent or shall make an assignment or composition of the greater part in number or amount of his creditors or shall enter into a deed of assignment with his creditors, or being an Incorporated Company shall have an order made against him or pass an effective resolution for winding up either compulsorily or subject to the supervision of the Court or Voluntarily or if the official Assignee of the Contractor shall repudiate the Contract or if the official Assignee or the Liquidator in any such winding up shall be liable within 7 (seven) days after notice to him requiring him to do so, to show to the reasonable satisfaction of the Chairman/Chairperson of the Committee/ Secretary of the Society that he is able to carry out and fulfill the Contract and if required by the Chairman/Chairperson of the Committee/ Secretary of the Society

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to give security therefore or if the Contractor (whether an Individual Firm or Incorporated Company) shall suffer execution to be issued or if the Contractor shall suffer any payment under this Contract to be attached by or on behalf of any of the creditors of the Contractors or if the contractor shall assign or sublet the Contract without the consent in writing of the Chairman/Chairperson of the Committee/ Secretary of the Society first obtained or if the Contractor shall charge or encumber this Contract or any payment due or which may become due to the Contractor there under, or if the Chairman/Chairperson of the Committee/ Secretary of the Society shall certify in writing that in his opinion the Contractor,

- a). has abandoned the Contract, or
- b). has failed to commence the work, or has without any lawful excuse under these conditions suspended the progress of the work for 7 (seven) days after receiving from the Chairman/Chairperson of the Committee/ Secretary of the Society written notice to proceed, or
- c). has failed to proceed with work with such due diligence and failed to make such due Progress as would enable the work to be completed within the time agreed upon, or
- d). has failed to complete the work within the stipulated date including authorized extensions or
- e). has failed to remove the materials from the site or to pull down and replace the work within 7 (seven) days after receiving a written notice from the Authorized representative/representatives of the Society that the said materials or work were condemned or rejected or
- f). 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 7 (seven) days after written notice shall have been given to the Contractor requiring the Contractor to observe or perform the same, or
- g). has to the detriment of good workmanship or in defiance of the Chairman/Chairperson of the Committee/ Secretary of the Society's instructions to the contrary sub-let any part of the Contract.

then and in any of the said causes, the Chairman/Chairperson of the Committee/ Secretary of the Society notwithstanding any previous waiver, after giving 7 (seven) days notice in writing to the Contractors, determine the Contract, but without thereby affecting the powers of the Chairman/Chairperson of the Committee/ Secretary of the Society or the obligations and liabilities of the Contractor, the whole of which shall continue to be in force as fully as if the contract has not been so determined and as if the work subsequently executed had been executed by or on behalf of the Contractor.

And further, the Society, or his Authorized representative/representatives of the Society, may enter upon and take possession of the work and all plant, tools, scaffolding, sheds, machinery, steam and other power, utensils and materials, lying upon the premises or the adjoining lands or road and use the same as his own property or may employ the same by means of his Authorized representative/representatives of the Society and workmen in carrying on and completing the work or by employing any other Contractors or other person or persons to complete the work, and the Contractor shall not in any way interrupt or do any act, matter, or thing to prevent or hinder such other Contractor, other persons or person employed for completing and finishing or using the materials and plant for the work.

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When the work shall be completed or as soon thereafter as convenient, the Chairman/Chairperson of the Committee/ Secretary of the Society 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 14 (Fourteen) days after receipt thereof by him, the Society may sell the same by public auction and shall give credit to the Contractor for the amount so realized. The Chairman/Chairperson of the Committee/ Secretary of the Society shall thereafter ascertain and certify in writing under his hand what (if anything) shall be due or payable to or by the Society for the value of the said plant and materials so taken possession of by the Society and the expense or loss which the Society shall have been put to in getting the work to be so completed, and the amount, if any, owing to the Contractor and the amount, which shall be so certified shall thereupon be paid by the Society to the Contractor or by the Contractor to the Society, as the case may be and the Certificate of the Chairman/Chairperson of the Committee/ Secretary of the Society shall be final and conclusive between the parties.

32. TERMINATION OF CONTRACT BY CONTRACTOR:

32.1 If payment of the amount payable by the Society under any Certificate of the Authorized representative/representatives of the Society shall be in arrears as unpaid for 60 (sixty) days after notice in writing requiring payment of the amount with interest of aforesaid shall have been given by the Contractor to the Society, or if the work be stopped for six months under order of the Chairman/Chairperson of the Committee/ Secretary of the Society or by any injunction or other order of any Court of Law, then and in any of the said cases, the Contractor shall be at liberty to determine the Contract by notice in writing to the Society and he shall be entitled to recover from the Society payment for all the work executed and for any loss, he may sustain upon any plant or material supplied or purchased or prepared for the purpose of the Contract.

32.2 In arriving at the amount of such payment, the net rates contained in the Contractor's original tender shall be followed or where the same may not apply, valuation shall be made in accordance with Clause No.15 hereof.

33. DETERMINATION OF CONTRACT DUE TO ABANDONMENT OR REDUCTION IN SCOPE OF WORK:

33.1 If at any time after the acceptance of the tender, the Society shall for any reasons whatsoever not require the whole or any part of the works to be carried out, the Chairman/Chairperson of the Committee/ Secretary of the Society shall give notice in writing to the Contractor who shall have no claim to any payment of compensation or otherwise whatsoever on account of any profit or advantage which he might have derived from the Execution of the whole of the works.

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The Contractor shall be paid at contract rates for the full amount of work executed and in addition:

a. The cost at site of all surplus approved materials collected for incorporation in the work, which the Contractor does not wish to retain and which shall thereafter become the property of the Society.

b. Where the Contractor desires to retain the surplus of approved materials (excepting materials supplied by the Society or obtained in Society's name, which shall, in any case, be returned to the Employer) the cost of handling and cartage charges for removal from the site to a reasonable distance not exceeding 25 kms.

c. If upon the determination of the Contract under this condition, the Contractor is of the opinion that he has suffered hardship by reason of the operation of these conditions, he may refer the circumstances with full details to the Chairman/Chairperson of the Committee/ Secretary of the Society, who on being satisfied that such hardship exists or has existed, shall make such allowance, if any as in his opinion is reasonable, and his decision shall be final, conclusive and binding.

34. DISPUTES TO BE FINALLY DETERMINED :

34.1 The Instruction, Decision, Opinion, Direction, Certificate or Valuation of the Chairman/Chairperson of the Committee/ Secretary of the Society with respect to all or any of the matters under Clause (2), (3), (5), (6), (9), (14), (15), (18), (23), (29), (30), (31) and (33) hereof (which matters are herein referred to as EXCEPTED 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 Chairman/Chairperson of the Committee/ Secretary of the Society or any refusal of the Chairman/Chairperson of the Committee/ Secretary of the Society to give any of the same shall be subject to the right of Arbitration and review as given under Clause No.36.

35. SECURITY DEPOSIT:

35.1 Amount towards Security deposit shall be calculated as per details given under Serial No.9 of "APPENDIX TO CONDITIONS OF CONTRACT" in the tender. Security Deposit can be either in Cash or in the form of Bank Guarantee. In case of cash option, the EMD shall be retained as part of Security Deposit and balance Security Deposit shall be accumulated through retention's from Running Account Bills at 7.5% (maximum) of gross amount of bill.

In case of Bank Guarantee option, the Contractor shall furnish one Bank Guarantee for full amount of Security deposit valid till end of defects liability period OR, two Bank Guarantees of like amounts each equal to half the Security deposit; one valid till virtual completion and the other till end of defects liability period then EMD amount shall be refunded after confirmation of Bank Guarantee..

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35.2 The Bank Guarantee/s shall be from any Nationalized / Scheduled Bank preferably at place of work site or Tilottama Anupama Co-operative Housing Society Ltd. (E-Type), 45E/2, Anupama Housing Complex, V.I.P. Road, Kolkata-700052 exists.

35.3 Bank Guarantee/s (BGs) against Security Deposit (SD) shall be executed as per the specimen proforma at Annexure B. Bank guarantee/s against Security Deposit shall be submitted within 21 (twenty one) days from the date of acceptance letter.

35.4 50% of the Security Deposit (cash option) shall be refunded after the certificate of virtual completion is issued to the contractor & provided that the employer has no claim for forfeiture of part or whole of the said deposit.

35.5 Balance 50% of Security deposit will be refunded to the contractor after the satisfactory completion of the defects liability period, subject to deductions for any appropriations thereof required to be made by the employer as per the conditions of contract.

35.6 If one Bank Guarantee in lieu of total Security Deposit is furnished, the same will be released only after the successful completion of Defects Liability period subject to any appropriations as aforesaid.

35.7 If two Bank Guarantees in lieu of Security deposit are furnished, the First Bank Guarantee will be released after the certificate of Virtual completion is issued to the contractor and second shall be released after the satisfactory completion of Defects Liability Period subject to any appropriations as aforesaid.

35.8 Contractor shall keep the Security Deposit, where applicable, replenished to its full value whenever any recovery or appropriation there from occurs. The Society reserves the right to do so from any money(s) due to the contractor laying with them.

35.9 The Contractor should note that no interest will be allowed on any part of the Security deposit.

35.10 No deductions will be effected from the bills when the total security deposit is paid in the form of Bank Guarantee(s) and the E.M.D shall be refunded after acceptance of Bank Guarantee(s).

35.11 In the event of failure by the contractor to submit Bank Guarantee(s) by the specified / extended date, recovery of Security deposit shall be deducted from the R.A Bills.

35.12 In all cases of Bank Guarantees, there shall be further provision of claim period of 6 months. If the contract period gets extended for any reason whatsoever, the contractor shall obtain the required extensions to the Bank Guarantee(s).

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36. SETTLEMENT OF DISPUTES, ARBITRATION:

36.1 Any Disputes and Differences of any kind whatsoever arising out of or in connection with the Contract or the carrying out of work (whether during the progress of the work or after its completion and whether before or after determination, abandonment or breach of contract) shall be referred to a Standing Committee consisting of one Retired High Court Judge and two Members from Engineering fraternity retiring as senior Engineer from Government/ Government Undertaking (except any Engineer deployed by the Society for any other purpose who have direct or indirect connection with this job). The Committee will be constituted by the Chairman/Chairperson of the Committee/ Secretary of Tilottama Anupama Co-operative Housing Society Ltd. (E-Type), 45E/2, Anupama Housing Complex, V.I.P. Road, Kolkata-700052.

36.2 The claims arising out of the Contract will be placed before the Committee once in a quarter and decision will be conveyed to both the contractually agreed parties.

36.3 Either of the Party on being dis-satisfied with the decision may approach to a Three Member Arbitral Tribunal, one each will be appointed by Either Party and two appointed Arbitrators will appoint 3rd Arbitrator who will act as Presiding Arbitrator.

36.4 Chairman/Chairperson of the Committee/ Secretary of the Society or any refusal of the Chairman/Chairperson of the Committee/ Secretary of the Society will appoint the Arbitrator on behalf of LIC of India. The Arbitration shall be conducted in accordance with Arbitration and Reconciliation Act 1996 as amended by the Arbitration and Reconciliation (Amendment) Act 2015 (3 of 2016) and any other amendment thereafter if any.

36.5 The Contractually Agreed Parties hereby also agree that the Arbitration under this clause shall be a Condition Precedent to any Right of Action in Law of Court under the Contract.

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In continuation to the above mentioned "CONDITIONS OF CONTRACT" & further proceed to "General Instructions to Contractors for Work" along under the detail about " TECHNICAL SPECIFICATIONS" and "SPECIAL CONDITIONS" of BID-III-Part-II this is to further precise that the bidder/bidders are requested to go through below mentioned "SPECIAL CONDITIONS" for the quality of work and to avoid cost & time over run and for smooth running of work to avoid the clause Nos. 34 & 36 (Dispute & Arbitration)

12. SPECIAL CONDITIONS:

12.1. Prospective bidders are requested to visit site in case he/they could not able to participate on the scheduled pre-bid meeting so as to inspect the buildings before quoting the rate.

12.2. All box type window grills, door grills, door shutters are not required to be painted by synthetic enamel paint thus quantity of the same has not been considered in relevant scheduled tender item of works.

12.3 No extra payment rather claim shall have not to be considered by Society for uprooting the trees/vegetation from the external surface of the buildings. The rate may quote considering overall derived amount.

12.4 Society will take care related to repairing/replacement of plumbing lines etc. separately. Contractor has to inform the Society well in advance before taking up their de-plastering work so that progress of work should not be suffered otherwise parallel activities may expedite the work. The same thing is also applicable for replacement of window glasses. These additional works has not been considered so far the derived amount in schedule of quantities.

12.5 After completion of plastering work either in external or in internal surfaces proper curing has to be ensured and Contractor should not be allowed to start painting work until joint measurements performed & endorsed by both the parties.

12.6 After de-plastering the external wall, all loose materials/particles should be removed from the surface and then Contractor will be allowed to apply bonding coat before re-do plastering work and that too procurement of material for bond coat should be checked so far quantity & quality concerns from end of Society.

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12.7 Contractor has to provide necessary colour scheme by preparing through 3D view of different (two different E types of building) combinations either himself/themselves or by approved paint manufacturer. The Society may approve the colour scheme only based on the same. No extra payment for this will be entertained.

12.8 Contractor & Authorized representative/representatives are allowed to take photographs or video during or after different stages of work, especially for hidden item of work it is mandatory. Those photographs/video graphs should be kept under custody of both the parties. Contractor may required to submit still photographs (6"x4") and soft copies of video graphs at the time of submission of final bill.

12.9. Quantity variation in all schedule items:

The quantities of each & every item of works may vary up to any extent either in lower or higher sides. Contractor will not be entertained by the Society if he/they lodge claim anything extra item charges for this variations. For each & every item of works Contractor is entitled to receive payments based on joint measurements duly accepted by the both parties based on actual measurements signed by the both parties copies of which should be kept under custody by the both parties.

12.10. Billing & measurements: (Interim Certificate & Final Certificate)

For hidden item of works, it is the Contractor's responsibility to intimate to the Authorized representative/representatives of the respective building/buildings for day to day joint recording of measurements in the measurement sheets supposed to be provided by him/them. During submission of running account of bill all endorsed measurement sheets should have to be attached with the abstract of bill by the contractor which will be arithmetically checked by the designated person/persons of the Society. After getting the corrected copy of the abstract of bill Contractor may submit finally their Tax Invoice. It is to be noted that each & every page of measurement sheets & abstract of bills should be prepared by the Contractor individual building wise so as to enable the Society to maintain cost & time over run. Finally Contractor may submit his/their Tax invoice/invoices building wise. Society having the liberty either they may pay the total amount to the Contractor by clubbing all Tax Invoices or against individual Tax Invoice as they deem fit. The net amount payable to the Contractor may attract after necessary Conditional/Obligatory/statutory deductions & additions as per rule/law. For any type of reimbursement separate account should be maintained or to be paid to the Contractor after submission if such unanticipated cropped up during currency of the contract & subject to the prior approval obtained from the Society as stated earlier.

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It is needless to be mentioned that during currency of the Contract if any levy or other statutory tax implemented time to time, Society will bound to deduct those monitory implications from their running account of bill or either from final bill. Contractor has to submit their bill/bills in the format of Microsoft Excel thus during submission of running account & final bill they have to submit both soft and hard copies to the Society.

Contractor has to maintain necessary registers of record at site which may be asked for during any inspection of higher Authority of the Society or Govt. Authority of respective departments:

- a) Cement consumption
- b) Chemical used (Chlorpyriphos/ Lindane E.C. 20% with 1% concentration)
- c) Material used for bond coat
- d) Water proofing chemical
- e) Painting materials
- f) Daily work description
- g) Hindrance of work
- h) Labour deployment etc.

Out of the above register for quality check consumption statement for each and every material may ask for submission in comparison with theoretical statement for clearance of running account of bill and final bill also.

Contractor may be allowed to submit their interim certificate if it is lesser value than specified in “ Appendix to the Condition Of Contract”. This depends if the Society instructed to complete one building as Pilot work rather sample building then after completion of Part-A & Part-B, contractor may submit their bill & Society can assess the actual cost per building, hence the Chairman/Chairperson of the Committee/ Secretary of the Society may waive of the stipulated value of Interim Certificate.

During external plastering if it is found that thickness of plaster is less than 20 mm thick as per tender item no. 6 may required to operate for the R.C.C structure, i,e for chajjas etc. then as per tender item no 4/5 from Part-B where thickness of plaster specified lesser than 20 mm may be operated. In this case, value of Part-B may apparently observed more however those can be saved in tender item no 6 in Part-A. However, this deviation may be allowed so far under the competency of the Chairman/Chairperson of the Committee/ Secretary of the Society as they deem fit.

Contractor may prepare theoretical cement consumption statement as per consumption coefficient given in the tender. However, for other materials as stated above theoretical consumption may be prepared by contractor based on IS:6313 for anti termite chemicals. For rest of the materials as stated above Contractor may follow the guide line of approved manufacturers for the respective chemicals like bond coat, water proofing, painting etc.

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12.11. Scope of work related to time extension & quality concerns:

Unless otherwise mentioned Contractor should aware that Society may instruct to the Contractor to commence & complete the job by marking one of the buildings to ascertain the actual cost & completion time so as to get rid of the conflict in case of time extension may require or to restrict quality variations. Society having the right to split the work by dividing building wise "Work Commencement Order" other than lowest bidder to the 2^{nd/3rd} lowest bidder/bidders as per the rate quoted by the lowest bidder which may depends on the actual situation at site for which issued "Letter Of Acceptance" to the lowest bidder may be waived off by the Society at their sole discretion. In such case proportionate S.D may recover from Contractors bill based on actual executed amount/works and proportionate EMD may be refunded to him/them without any interest.

12.12. Contractor has to maintain clear access to every building/buildings for the dwellers & other persons by day to day cleaning of site/road/passage/staircase etc. and that debris should be stacked temporarily to a place as directed by the respective representative/representatives of individual building and periodically that should be disposed of by carting away to the dump yard as directed by the local Municipality and during submission of final bill that should be completely disposed of rather carting away outside the Anupama Housing Complex Compound as per direction of the local Municipality. The quoted rate is inclusive this work as statutory rather mandatory.

12.13. Contractor should take care about water logging in an around periphery of the building/buildings if occurred due to their working, necessary preventive measure to be adopted by them after consultation with local Municipality so that inconvenience or dengue decease can be avoided due to their fault.

12.14. Contractor should aware about No-Entry time details of that locality as it is abutting V.I.P.Road. In case of access of materials through the main gate of the Anupama Housing Complex, necessary time management to be fix up also well in advance by advance intimation to the Security guard of the said Complex. For halting of their materials no claim will be entertained by Tilottama Anupama CO-Operative Housing Society Ltd.

12.15. Regarding procurement & management for entire material required for the work site should be under sole control of the Contractor, however the Authorized representative/representatives of the Society will take care about the quality concerns.

12.16. In case due to interference of any hooligans or any other local person , hindrance may occur that will be under sole responsibilities of the Contractor , in such case no claim will be entertain by the Society until found any fault from the end of the Society.

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12.17. Contractor has to provide Cement Godown which should be water tight to prevent moisture absorption, store cement in a moisture-proof, elevated area. Cover the bags with 700-gauge polythene sheets, especially during monsoons. Air-tight bags must be deployed for the storage of cement to minimize exposure to the atmosphere. The godown should be under lock & key with dual custody for verification of consumption under joint inspection.

12.18. Contractor has to provide separate store room shall have to be provided at site which will be under lock & key to store various materials as and when required for execution.

12.19. Contractor has to provide necessary masonry vat at site for storing required capacity of water for day to day work.

12.20. Contractor has to provide Security guard round the clock for watch & ward for keeping their materials at site. It is needless to be mentioned that water & electricity will be supplied by the Society from their common source building wise, therefore Contractor should be aware to look after non misuse of the same and dwellers should not suffer so far their regular requirement. As per relevant tender clause they have to pay 1% to the Society rather 0.50% will be deducted for water & 0.50% for electricity from the every running account of bill over the gross value of work done if it is not beyond the actual requirement otherwise Contractor has to install sub-meter for electricity consumption purpose by maintaining necessary consumption log book else otherwise they may have to obtain temporary power connection with necessary approval from Electricity Authority. And in case of water crisis Contractor may have to provide bore well with allied plumbing connections after obtaining necessary permission from local Municipality.

12.21. Contractor has to provide temporary shelter for keeping their Skilled and Unskilled workmen and for their stay Contractor has to follow necessary arrangements as per guide line of the Labour Enforcement Department.

12.22. Contractor has to provide site office for their staff with necessary arrangement & working environment.

12.23. Contractor has to follow all prevailing rules & regulations of W.B Govt. amended time to time during their currency of the contract.

12.24 Contractor should aware that "Defect Liability Period" in this work is Two Years; hence, quality should not be compromised in any stage of works. This caution is further given though "Appendix to the Conditions of Contract" also attracts this clause.

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12.25. Contractor may consider that the existing road of Anupama Housing Complex main gate to work site can be allowed for transportation of their materials by truck, however after completion of work if found any damages to the same due to wear & tear and any issue raised about the cause of the damages, he/they have to repair the damage portions rather mending good the damages as per existing finish at his/their own cost.

12.26. Contractor has to provide jute curtain to cover the entire building while dismantling and working on outside or he/they have to provide barricade surrounding the building keeping safe distance from outside wall to prevent any accident. They have to aware so that dwellers should not face insufficient ventilation & while working proper coordination with dwellers should have to maintain. He/they may provide jute curtain for the windows so that mortar/debris should not pass through the windows. However, whatever precautionary measure is suitable that can be sorted out with necessary discussions with the Chairman/Chairperson of the Committee/ Secretary & Authorized representative/representatives/respective representative/representatives of the respective building under the Society before commencement of their work.

12.27. Contractor must ensure that the work will be done through the professional Pest Control operator. They should be members of National Pest Control Association of USA, or Indian Pest Control Association or any other recognized professional body. They should furnish a list of Termite Control jobs carried out by them successfully for Government Department, Statutory bodies or large private organizations to prove that they are capable of handling anti termite work.

12.28. Contractor should well aware that most of the R.C.C sunshades broken and in very dangerous condition as life of those may expire so far the age of the building & due to bad workman ship of KMDA. The detail technical specification related to R.C.C work (Concrete, reinforcement & form work) are being prepared along with this tender very elaborately though the quantum of work in respect to the total estimated cost is negligible to attract that in no cases repair to the sunshade along with lintel is allowable except where some minor cracks are observed. Therefore it has to be ensured that though D.L.P is restricted up to two years but unless otherwise it is to be mentioned that further responsibility to be own for those cantilever structure, necessary IS Code to be followed vividly including preparation of shop drawings as per IS Standard right from the form work to finishing so that further twenty five years those may stable as it is after completion of the entire work. In case welding or steel sheeting may require which is not considered in the schedule of items, Society may take care about competent suggestions expecting from his/their end along with its financial implications subject to reasonable consideration.

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12.27. Engagement of third party:

All above the twelve conditions as stated above, if the Contractor disobey or arise any dispute related to any matter, Society has the liberty to engage a third party in every steps or in any specific matter so as to enable to continue the work rather try to overcome the hurdle with written documentation/documentations & MOM/MOMs related to the clauses/conditions/measurements etc. subject to endorsed those with date & time duly signed by all concerns. Before arriving to such situation/situations Society may warn the Contractor in writing related to the violation/violations as and when arises. It is needless to be mentioned that involvement due to deployment of third party will be under the risk & cost of the Contractor means the payments towards third party will be deducted from the Contractor's running account bills or in final bill depends upon the frequency. In such case/cases Society will warn the Contractor well in advance in writing which is also depending upon the nature of case/cases and hence, attract approximate cost involvement case to case as they deem fit.

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GENERAL INSTRUCTIONS TO CONTRACTORS FOR WORK:

1. INSPECTION OF SITE:

1.1 The Tenderer shall visit and examine the site of work and satisfy himself as to the nature of the existing roads or other means of communication, the character of the soil and of the excavations, the correct dimensions of the work and facilities for obtaining materials and shall obtain generally his own information on all matters affecting the execution of the work. No extra charge made, in consequence of any misunderstanding or incorrect information on any of these points or on the grounds of insufficient description will be allowed. All expenses incurred by the Tenderer in connection with obtaining information for submitting this tender including his visits to site and efforts in compiling the Tender shall be borne by the Tenderer and no claims for reimbursement thereof shall be entertained.

2. WHOLE WORK TO BE COMPLETED IN THE SPECIFIED COMPLETION PERIOD:

2.1 The whole work is to be completed within the completion period stated in the Appendix to Conditions of Contract or the extended date of completion, if any. The Contractor will be required if necessary, to work overtime to complete the work by the stipulated date. No extra will be allowed on the Contract sum for such overtime work.

3. TIME AND PROGRESS CHART:

3.1 The Contractor shall submit his version of time and progress chart fitted within the specified overall period of completion (as stated in Appendix to Conditions of Contract) within 15 (fifteen) days of the communication of acceptance of the tender, to the Society. In case of contractor does not come forward for any change in the time and progress chart as provided in the General Instruction to the contractors, it shall be presumed that the Time & progress Chart is accepted in full in letter and script to maintain the pace of the progress of the work.

3.2 The Contractor shall assume full responsibility for any delay in delivery of materials by Merchants or nominated Sub-Contractors not having completed the work in accordance with the Time and Progress Chart. Such excuses shall not form any criterion for extension of time, or any claims by the Contractor.

3.3 Any failure on the part of the contractor to adhere to the starting and completion date of individual items mentioned in the chart shall entail application of the liquidated clause on whole or part at the discretion of the Chairman/Chairperson of the Committee/ Secretary of the Society, notwithstanding the overall period of completion stated in the appendix to the conditions of contract.

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4. ORDER OF WORK:

4.1 Chairman/Chairperson of the Committee/ Secretary of the Society reserves the right to fix the order in which the various items of work involved in this Contract is to be executed and Contractor shall comply with the same. There shall be no extra claims on account of this.

5. WORKMANSHIP:

5.1 The Work calls for a high standard of workmanship combined with speed.

6. REJECTED WORKMANSHIP OR MATERIALS:

6.1 Any workmanship, or materials not complying with the specific requirements or approved samples, or which have been damaged, contaminated or deteriorated, must be removed immediately from the site and replaced at the Contractor's expense as directed.

7. WATCHING AND LIGHTING:

7.1 The Contractor from the time of being placed in possession of the site must allow for watching, lighting and protecting the work, the site and surrounding, properly by day and night on all days including Sundays or other holidays, at his own cost.

8. WATER:

8.1 The rates quoted by the Contractors shall include for providing all water required for the work including that required by special tradesmen and Sub-Contractors and pay all charges required by Local Municipal or other Authorities. Water must be clean, fresh, pure and free from earth, vegetable or organic matters, acid or alkaline substance in solution or suspension. The Contractors shall make their own arrangements for water supply. If supply from the Municipality or other local bodies be inadequate, the Contractor should provide tube well or wells or open well at his own cost. The Contractors must execute any temporary plumbing and pay all fees and charges. All health regulations in force shall be strictly observed by the Contractor and pay all necessary charges. However, if water is available in surplus with Society, the same may be permitted for use in work and in such case necessary recovery will be affected from contractor's bill as detailed below:

Recovery of water charges from Contractors bill if used from LIC source @ 0.50% of the Gross value of work done.

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9. ELECTRICITY:

9.1 The Contractor shall arrange with the concerned Electricity Supply Authorities for a temporary meter and supply to the site and shall provide all temporary wiring, power and lighting points for the whole of the works and clear away when no longer required. He shall pay all charges for the same and for electricity consumed, including that consumed by Sub-Contractors. The Contractor should submit disconnection & no dues certificate from the supplying authority along with his final bill. However, where existing source of Electricity is available in surplus with LIC, the same may be permitted for use in work and in such case necessary recovery will be effected from contractor's bill as detailed below:

Recovery of Electricity charges from Contractors bill if used from LIC source @ 0.50% of the Gross value of work done.

10. OFFICE ACCOMMODATION FOR CONTRACTOR'S STAFF :

10.1 The Contractor shall, at his cost, provide, fit-up and maintain in an approved position proper office accommodation for his representative and staff, which offices shall be open at all reasonable hours to receive instructions, notices or communications and clear away on completion and make good all work disturbed.

11. SECURITY AND PROTECTION:

11.1 The Contractor shall at his cost, provide any necessary temporary enclosures, gates, entrances, etc. for the protection of the work and materials and for altering and adapting same as may be required and removing at completion of the works and making good all works disturbed.

11.2 During inclement weather, the Contractor shall suspend concreting or plastering for such time as the Authorized representative/representatives of the Society may direct and shall protect such work in course of execution from damage by approved measures.

11.3 Should the work be suspended by reason of rain, strike, lock-outs or any other cause, the Contractor shall at his cost take all precautions necessary for the protection of the work and shall make good any damage arising from any of these causes.

11.4 The Contractor shall at his expense cover-up and protect from injury from any cause, all new work and supply all temporary doors protection to windows, and any other requisite protection for the whole work executed, whether by himself or special tradesmen of Sub-Contractors and any damage caused must be made good by the Contractor at his own expense.

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11.5 All fences, trees, shrubs, grasses, lawn and other surfaces around the buildings or approaches thereto, which are required to be maintained are to be kept free from damage due to operations in connection with the work, at Contractor's expense.

11.6 The Contractor shall, at his expense, protect all projecting sills, jambs, copings, stone or concrete treads and moldings and all concrete steps, wood work and joinery and the like from injury during the progress of the work.

11.7 The Contractor shall at his cost, protect joinery and make good all damages to the same from any cause whatsoever during the performance of the Contract and leave perfect to the satisfaction of the Chairman/Chairperson of the Committee/ Secretary of the Society at completion. Before giving possession, the Contractor must see that all doors, windows and ventilation etc. work easily and shall make all necessary adjustments for such smooth working.

12. SANITATION:

12.1 The Contractor shall at his cost provide adequate latrine facilities and keep the same in a clean and hygienic condition to the satisfaction of the Public Health Authorities and shall cause such latrine and night soil to be cleared away whenever necessary and shall make good all works disturbed by these conveniences.

13. MINIMUM WAGES ACT:

13.1 The Contractor shall pay rates of wages and observe hours of work and conditions of employment to existing rules under Minimum Wages Act. Further, it shall be Contractor's responsibility to ensure that he pays his workmen wages, which are not lower than the minimum prescribed by the Union Government and State Government in which area this Contract, is being operated.

14. SHEDS FOR MATERIALS:

14.1 The Contractor shall at his cost provide and maintain proper approved sheds for the storage and protection of materials etc. and other work that may be executed on the site including the tools and materials of Sub-Contractors and remove on completion. Sheds for storage of Cement are to have floors raised from the ground.

15. OBJECTS OF VALUE AND ANTIQUITY FOUND ON SITE:

15.1 All objects of value or antiquity found on the site shall remain the property of the Society and such findings shall be immediately reported to the Chairman/Chairperson of the Committee/ Secretary of the Society.

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16. WORKS AND SITE TO BE KEPT AND DELIVERED UP CLEAN:

16.1 All shavings, cuttings and other rubbish as it accumulates from time to time during the progress of the work and at completion, including that of Sub-Contractor and special tradesman to be cleared and carted away. All rejected materials shall be removed. Contractor's quoted rates shall allow for these factors.

17. SIGN BOARD AND HOARDINGS:

17.1 The Contractor shall not affix or place any placards or advertisement of any description or permit the same to be affixed or placed in or upon any hoarding, gantry, buildings or structure other than that approved by the Chairman/Chairperson of the Committee/ Secretary of the Society.

18. CONTRACTOR'S MISTRIES AND SUPERVISORS:

18.1 The Contractor's Masson and the Supervisors on the works shall carry with them a suitable Measuring rule, a measuring tape, a spirit level, a plumb bob and a square and shall check the work of the bricklayer, plasterers, to see that the work is being done according to the Specifications & to match with the existing finish. The Authorized representative/representatives of the Society will use any and all measuring instruments or tools belonging to the Contractor as he chooses, while checking the work executed or being executed on the works.

19. ALTERNATIVE ITEMS:

19.1 In regard to alternative items, if any, specified in the Schedule of Quantities, Contractor should note that the Employer reserves the right to order the Principal item or its alternatives at the Chairman/Chairperson of the Committee/ Secretary of the Society's discretion.

20. ATTENDANCE ON SUB-CONTRACTORS:

20.1 Co-ordination: The Contractor shall be responsible for the co-ordination of all the work including that of Sub-Contractors, for arranging runs of all services and working to the requirements and layout of the specialist trades, in all matters necessary for the complete execution of the work.

20.2 Rates quoted by the Contractor shall be inclusive of all attendance on Sub-Contractors or other Contractors nominated by the Society. Contractor must allow for provision of the use of his scaffolding to Sub-Contractors and for its retention until such time all relevant Sub-Contract works are completed.

20.3 The Contractor shall accept liability for and bear the cost of the supply of all necessary water, electricity, lighting, watching etc. for the Sub-Contractors work.

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20.4 The Contractor must allow in his rates for making good any holes and chases left by the Sub-Contractors or other Contractors nominated by the Society before the Builder's Work is completed and handed over.

20.5 The Contractors shall, at all times, give access to workmen employed by the local or other authorities or any men directly employed on the buildings and to provide such parties with proper, sufficient, and if required, special scaffolding, hoists and ladders and provide them with water and lighting, and leave or make any holes, grooves etc. in any work directed by the Chairman/Chairperson of the Committee/ Secretary of the Society, as may be required, to enable such workmen to lay or fix pipes, electric wiring, special fittings etc. Contractor's quoted rates shall allow for these factors.

21. OCCUPATION BY EMPLOYER:

21.1 The Society reserves the right to occupy the works by sections as completed, as may be considered by the Chairman/Chairperson of the Committee/ Secretary of the Society both practicable and reasonable and without hindrance to the Contractor's progress.

22. TAXES, DUTIES, LEVIES AND DEDUCTION AT SOURCE:

22.1 The Contractors shall be responsible to pay all statutory levies/taxes imposed by the State and Central Government from time to time. It is deemed that the rates quoted by the contractor for each item of works includes all applicable taxes except GST on works contract which shall be paid by Society as applicable from time to time as per notification of Govt. of India. However, if the Society having no GST registration number, the Contractor may lose GST input benefits which he/they may consider while quoting his/their rate.

22.2 Deduction at source of Income Tax, all other statutory taxes as applicable and Labour cess shall be made by Society as per statutory provisions prevailing from time to time, from the Running Account / Final Bills and remitted to the concerned Taxation Authorities/State Government on behalf of the contractor

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22.3 The invoices submitted by the Contractor/vendor should have their GST no. clearly printed on it. The tax amount should be clearly shown in the invoice. The vendor should also mention Society's GSTIN no on the invoice uploaded by them on GST portal. If Society not having GSTIN no then it will not attract any legal complication Society may give necessary undertaking in non judicial court stamp paper of requisite value which required to notarized under endorsement of both the party and that should be attached to the "Article of Agreement" until which Society cannot issue "Work Commencement Order" to the lowest contractor & it is not advisable for the lowest Contractor to take possession of site. Hence, bidder may quote his/their rate accordingly.

22.4 The vendor needs to display the invoice on the GST portal and remit the tax to the Govt. within Specified period.

22.5 The measurement books/sheets along with the abstract are to be checked, corrected and accepted by the vendor and then only Tax invoice with zero correction will be raised and uploaded by the vendor on GST portal.

22.6 The vendor should quote their rate considering all taxes/duties/levies/ labour welfare cess etc. which are not subsumed in GST but excluding GST on works contract as applicable which will be paid extra at the rate prevailing at the time of billing. It is also advised to quote the rate after considering the input tax credit advantage and adjusting / deducting the same in the quoted rate/amount.

22.7 GST on works contract will be paid extra along with Bill payment as per applicable rate of GST at the time of billing.

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ANNEXURE –‘A’

PROFORMA FOR
ARTICLES OF AGREEMENT

ARTICLES OF AGREEMENT made at.....this.....day of20..... between TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD. (E-TYPE), 45E/2, ANUPAMA HOUSING COMPLEX, V.I.P. ROAD, KOLKATA-700052., a Ownership Housing Society constituted and established dated.....by the The West Bengal Co-operative Societies Act, 2006, and the West Bengal Apartment Ownership Act, 1972, govern housing co-operative societies in West Bengal (Constructed by KMDA dated.....)hereinafter called the SOCIETY/EMPLOYER (which expression shall include its successors and assignees wherever context or meaning shall so require or permit) of the one part and M/s(hereinafter called "The Contractor") of the other part.

WHEREAS the Employer is desirous of constructing the..... and has prepared drawings and specifications and the Schedule of Quantities which have been signed by or on behalf of the parties hereto.

AND WHEREAS the Contractor has agreed to execute upon and subject to the conditions and instructions set forth herein (hereinafter referred to as "the said Conditions") the works shown upon the said drawings and /or described in the said Specifications and included in the said Abstract Schedule of Quantities at the item rates therein set forth amounting to the contract sum of Rs..... hereinafter referred to as "the said contract Amount".

NOW IT IS HEREBY AGREED AS FOLLOWS:

1. In consideration of the said Contract Amount to be paid at the times and in the manner set forth in the said conditions, the contractor shall upon and subject to the said Conditions execute and complete the works shown upon the said Drawings and described in the Specifications and/or the priced Schedule of Quantities.
2. The Society/Employer shall pay the contractor the said Contract Amount or such other sum as shall become payable for the items and in the manner hereinafter specified in the said conditions.
3. The said Conditions and Appendices thereto shall be read and construed as forming part of this Agreement, and the parties hereto shall respectively abide by and submit themselves to the conditions and perform the Agreement in their part respectively in such conditions contained.
4. All disputes arising out of or in any way concerned with this Agreement shall be deemed to have arisen in _____ and only the Courts in _____ shall have jurisdiction to determine the same.

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5. The contract comprises:-

- i) Tender Documents Serial Pages.....
- ii) Subsequent Correspondence Serial Pages.....
- iii) Architectural Drawings Serial Pages

6. Only () alterations have been made in these documents and as evidence that these alterations were made before the execution of Contract Agreement, they have been initialed by the contractor and..... Chairman/Chairperson of the Committee/ Secretary of the Society The said officer is hereby authorized to sign and initial on the Society's/Employer's behalf, the documents forming part of this contract.

7. IN WITNESS WHEREOF THE Official seal of the TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD. (E-TYPE), 45E/2, ANUPAMA HOUSING COMPLEX, V.I.P. ROAD, KOLKATA-700052, was thereto affixed and signed on its behalf by the Chairman/Chairperson of the Committee/ Secretary of the Society and by on behalf of the Contractor/s on the dates respectively mentioned against their signatures in the presence of the witnesses whose signatures are also appended In the presence of Chairman/Chairperson of the Committee/ Secretary of the Society

1. Signature :

FOR AND ON BEHALF OF
TILOTTAMA ANUPAMA CO-
OPERATIVEHOUSING SOCIETY
LTD.

Name :

Address : Date :

2. Signature :

Name :

Address :

In the presence of

1. Signature :

FOR AND ON BEHALF OF
THE CONTRACTOR
M/S

Name :

Address :

Date :

2. Signature :

Name :

Address :

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ANNEXURE – ‘B’

TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD. (E-TYPE)

(Refer Clause No. 35 of Conditions of Contract)

FORM OF BANK GUARANTEE IN LIEU OF SECURITY DEPOSIT

IN INDIVIDUAL CONTRACTS

To

TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD. (E-TYPE) In consideration of the Tilottama Anupama Co-Operative Housing Society Ltd. (E-Type) having its Working Office at 45e/2, Anupama Housing Complex, V.I.P. Road, Kolkata-700052 in the State of WEST BENGAL (hereinafter called ‘The Society’ which expression shall unless repugnant to the subject or context include its successors and

assignees) having agreed under terms and conditions of contract (vide its acceptance letter No. _____ dated _____) made between _____ (hereinafter called the said Contractor) and The Society in connection with _____ (hereinafter called ‘the said contract’) to accept a Deed of Guarantee and Indemnity as herein provided for Rs. _____ from the

_____ in lieu of the Security Deposit to be made by the contractor and/or in lieu of the deduction to be made from the Contractor’s bills, for the due fulfillment by the said contractor of the terms and conditions contained in the said contract, we the _____ (hereinafter referred to as ‘the said Bank’) and having our office at _____ do hereby undertake and agree to indemnify and keep indemnified The Society from time to time to the extent of Rs. _____ (Rupees _____ only) against any loss or damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the Corporation by reason of any breach or breaches by the said contractor in respect of the said contract or of any of the terms and conditions contained in the said contract, or in respect of all its claims for money and / or material found due and recoverable from the said contractor and to unconditionally pay the amount claimed as such by The Society on demand and without demur to the extent aforesaid.

2. We, the said Bank further agree that The Society shall be the sole judge of and as to whether the said contractor has committed any breach or breaches of any of the terms and conditions of the said contract and the extent of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by The Society from time to time on account thereof and the decision of the Corporation in this respect shall be final and binding on us.

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3. The Society shall have the fullest liberty without affecting in any way the liability of the Bank under this Guarantee or Indemnity from time to time to vary any of the terms and conditions of the said contract or to extend time of performance by the said contractor, or to postpone for any time and from time to time any of the powers exercisable by it against the said contractor and either to enforce or forbear from enforcing any of the terms and conditions governing the said Contract or securities available to The Society and the said Bank shall not be released from its liability under these presents by any exercise by the Corporation of the liberty with reference to the matters aforesaid or by reason of time being given to the said contractor or any other forbearance, act or omission on the part of The Society or any indulgence by The Society to the said contractor or of any other matter or thing whatsoever, which under the law-relating to sureties would but for this provision have the effect of so releasing the Bank from its liability.

4. It shall not be necessary for The Society to proceed against the contractor before proceeding against the Bank and the Guarantee and Indemnity herein contained shall be enforceable against the said Bank, notwithstanding any security which The Society may have obtained or obtain from the contractor shall at the time when proceedings are taken against the Bank hereunder be outstanding or unrealized.

5. Notwithstanding anything contained in any of the foregoing clauses the liability of the Bank under this Guarantee shall not exceed Rs. _____ (Rupees _____ only). The guarantee shall remain in force till _____. If any extension of time be granted to the contractor, we undertake to extend the guarantee with the consent of the contractor. Unless a claim or demand under this guarantee is made or presented to the Bank within six months from the expiry date, all the rights of The Society under this Guarantee shall cease and the Bank shall be released and discharged from all liability hereunder.

6. We, the said bank lastly undertake not to revoke this guarantee and indemnity during its currency except with the previous consent of The Society in writing and agree that any change in the constitution of the said contractor or the said Bank shall not discharge our liability hereunder.

For and on behalf of the Bank

(Name and Designation)

The above Guarantee is accepted by the

TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD. (E-TYPE).

For and on behalf of the Tilottama Anupama Co-Operative Housing Society Ltd. (E-Type)

(Name and Designation)

Dated:

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Note No.1 ☐ : FILL IN AS APPLICABLE:

A) For Proprietary concerns:-

Shri _____ son of _____ resident of _____ carrying on business under the name and style of _____ at _____ (hereinafter called 'the said contractor' which expression shall unless the context requires otherwise include his heirs, executors, administrators and legal representative).

B) For Partnership concerns:-

1. Shri _____

Son of _____

Resident of _____

2. Shri _____

Son of _____

Resident of _____

Carrying on business in partnership under the name and style of _____ of _____ at _____ (hereinafter collectively called 'the contractor' which expression shall unless the context requires otherwise include each of them and their respective heirs, executors, administrators and legal representatives)

C) For Companies :-

M/S / Shri _____ a company under the Companies Act 1956 and having its registered office at _____ in the state of _____ (hereinafter called 'the said contractor' which expression shall unless the context requires otherwise include its successors and assignees).

Note No.2:☐

☐ Please fill in the name and address of Bank.

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TECHNICAL SPECIFICATIONS FOR WORKS

SUB: TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING.

GENERAL

1.1 Information

This section sets out the general requirements for carrying out the Architectural and Finishes works for the project and shall be read in conjunction with all relevant work sections and other documents. The Specification shall be read in conjunction with the other documents, which together shall form the contract specifications. Notwithstanding the subdivision of the specification under different headings, every part of it shall be deemed supplementary to and complementary to the other part. All materials and workmanship shall be in accordance with the latest relevant Indian Codes and standards. Except that where the said standards are in conflict with the specifications, the standards take precedence. The standard specification set out the basic quality of material and workmanship required from the contractor. Any statements pertaining to the sequence and the procedures for the construction of the works herein specified shall be regarded only as a guide to the contractor. It shall be contractual duty and responsibility of the contractor to have his own done in-depth studies by his consultants for proper details, procedure, mode of execution, use of relevant type, form and size of machineries for the works, form and extent of temporary works requirement and providing the works as specified in or necessarily to be inferred from the documents and drawings forming this contract. The Contractor shall perform the contract works in proper manner and with due competency for the satisfactory completion of the same.

1.2 Codes, Regulations, Standards and Technical References

A. Regulations

The whole of the Works and materials are to be in accordance with the Building Control Regulations, other regulations as set out by the authorities having jurisdiction over the works, and the relevant bylaws unless otherwise stated. Ensure that the requirements in the Specification are strictly adhered to when carrying out the Works, unless otherwise directed.

B. Standards and Codes of Practices

Unless otherwise agreed by the Chairman/Chairperson of the Committee/ Secretary/ Authorized representative/representatives of the Society, ensure all of the Works comply with the relevant requirements of the Standards and Codes referenced in the body of the Specification.

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Alternative Standards and Codes may be proposed for approval by the Society's Representative, provided it can be demonstrated that the alternative Standards and Codes comply with the requirements of the standards specified. All Standards and Codes quoted are the current version, unless specific year references are noted.

C. Technical Reference

Where specified, be guided by the principles and methods as set out in the technical reference when carrying out the works. Alternative methods and principles may be proposed in lieu of the referenced document, subject to acceptance by the Society's Representative, if it can be demonstrated that the specified quality or performance of the works can be achieved.

1.3 Work Preambles

A. Ambiguity

Before commencing any works, obtain clarification or instructions in relation to any discrepancy or ambiguity, which is discovered within and between the Specification Work sections, and one or other contract documents issued by the various parties.

B. Approved Sub-contractors

All sub-contractors for the works are subject to the acceptance of the Society's Representative. At the time of tender and before the commencement of work, submit the list of subcontractors intended to be engaged for the works. Submit with the list, details such as the relevant track records of the firms, the qualification of the personnel and details of equipment to be engaged for the works.

C. Licenses, Permits and Liaison with the Authorities

Be responsible to initiate the application for all necessary licences, permits, etc and to carry out all necessary liaison with the Government Departments and Statutory Boards, etc whenever necessary, for the satisfactory completion of the Works. Be responsible for ensuring that these licenses and permits are obtained in good time.

D. Safety Regulations and Temporary Works

Strictly observe all necessary safety requirements and legislation to fully comply with the provisions of the Workplace Safety and Health Regulations and/or any other requirements from the authorities having jurisdiction over the works.

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E. Safeguarding Properties Adjacent to Site

Propose and adopt site procedures and methods of working such as to limit to a minimum any disturbance and vibration to the buildings around the Site. Identify and implement protective measures necessary to safeguard the adjacent properties prior to carrying out the works. Indemnify the Society in accordance with contract conditions against all claims for loss and/or damage to the adjoining properties by reason of the carrying out of the works or by reason of insufficiency of precautionary measures.

F. Site Supervision

Provide personnel with adequate and relevant experience to Employer's Representative's acceptance, to supervise the Work. Submit the CV of the supervisor(s) to the Society's Representative where directed.

G. Coordination of Works

Ensure that all units, components or assemblies whether from one or different sources, are available in time for incorporation into the Works.

H. Maintenance Manual

Develop and submit for Society's Representative's acceptance, a strategy in the form of a maintenance manual and logbook, to ensure that elements that are likely to deteriorate significantly can be replaced or rectified.

PART 2 PERFORMANCE REQUIREMENTS

2.1 General Requirement

Engage methods and resources that will ensure the works achieve the specified quality within the agreed programme and cost.

2.2 Environment

Ensure the carrying out of the works will not cause un-acceptable pollution, noise, erosion and vibrations to the environment as stipulated by the tender and other relevant authorities.

PART 3 MATERIALS

3.1 MATERIALS GENERALLY

Products are to be new unless otherwise specified. All materials are to be supplied clean, undamaged and in good condition ready to be used for the Works.

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For products with a limited shelf life, ensure no parts or whole are expired. Where a choice of manufacturer or source is allowed for any particular product, supply the whole quantity required as the same type and from the same manufacture and/or source unless otherwise approved. Produce written evidence of sources of supply when requested. Ensure that the whole quantity of each product supplied is of consistent kind, size, quality and overall appearance.

Ancillary products and accessories are to be of a type recommended by the main product manufacturer, unless otherwise specified. Unless otherwise described, all materials shall be new and in accordance with the latest Indian Standards and the Contractor shall produce all necessary Certificates to substantiate this fact if so required by the Society's Representative. Unless otherwise described, the description of each item of measured works shall include for supplying and delivering of all materials, unloading, sorting, selecting, storing, carriage and cartage, cutting and all waste on materials, hoisting, all labour setting, fitting and fixing in position, covering up and protecting finished work, clearing away all debris and waste, return of packing, carriage paid, use of plant and equipment, supervision, establishment and overhead charges, profit and all other labour and materials necessary for the due and proper execution of each item.

3.2 ORDERING OF MATERIALS

Unless otherwise directed, do not place orders for materials before the sources and samples of the materials have been approved and the results of any preliminary tests required by the Specification have been accepted.

3.3 CERTIFICATES FOR MATERIALS

All materials and products are to be manufactured and tested in accordance with the appropriate Standard or as specified. All materials and products delivered to the site are to bear the manufacturer's name, brand name or any other data required to verify compliance with the specified requirements. Where appropriate, provide certificates from the supplier or test agencies verifying such compliance. Include, whenever applicable, the location in the Works or the delivery or batch which the certificate represents.

Where applicable or whenever requested by the Society's Representative, the Contractor shall submit test certificates of materials to be used in the Works certifying that the materials in question comply in all respects with the Specification. The Contractor shall obtain the said certificates either from the materials manufacturers or from an approved testing laboratory. All costs incurred in obtaining the certificates shall be borne by the Contractor.

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SPECIFICATION OF ITEMS AS PER SCHEDULE OF QUANTITIES

PLASTERING AND POINTING

The primary requirement of plasterwork shall be to provide absolutely water tight enclosure, dense, smooth and hard and devoid of any cracks on the interior and/or exterior. The contractor shall do all that is necessary to ensure that this objective is achieved. All plastering shall be finished to true plane, without any imperfections and shall be square with adjoining work and form proper foundation for finishing materials such as paint etc., Masonry and concrete surfaces which call for applications of plaster shall be clean, free from efflorescence damp and sufficiently rough and keyed to ensure proper bond, subject to the approval of the Engineers / Architects. Wherever directed by the Engineer / Architect, all joints between concrete frames and masonry in filling shall be expressed by a groove cut in the plaster. The said groove shall coincide with the joints beneath as directed. Where grooves are not called for, the joints between concrete members and masonry in filling shall be covered by Plaster mesh strips 200 mm wide on either sides or as called for on drawings/documents, which shall be in position before plastering (Plaster mesh of shall be used over junctions of concrete and masonry or two dissimilar materials about 200 mm wide fixed with GI wire nails etc. as directed by the SOCIETY & for this separate item to be incorporated).

1. Mortars:

Cement mortar shall be prepared by mixing cement and sand in specified proportions. Proportioning shall be carried out as detailed above. Sand shall be added suitably to allow for bulkage if required. Bulkage shall be determined as specified in IS 2386 Part III. Cement and sand added to mixer shall be thoroughly mixed and water shall be added to it gradually. After addition of water the mixer shall run for a minimum of 3 minutes. The mortar mixed shall be consumed within 30 minutes of its mixing. Mortar shall be prepared by mixing fine graded aggregate with cement in the proportion specified for respective items of work.. Mortar mixes shall generally be 1:6 & 1:4. Mixing of mortar shall be done by mechanical mixers only. Hand mixing may be permitted in specified cases on the written permission of the Society's Representative.

Mortars shall be specified by proportion. Volumetric mixing shall be based on dry volumes of each ingredient. For convenience, measurement shall correspond to volume of one cement bag i.e. 0.035 cu m. Boxes shall be of size 40 X 35 X 25 cm. These shall be marked as mortar mixing boxes by red paint and shall be used throughout the contract. Hand mixing or mechanical mixing proportions shall be done with the use of these boxes.

Sand shall conform to IS 1542 specification for sand for plaster.

Cement

Cement used shall be ordinary Portland cement conforming to IS and shall be of grade 53 or 43. PSC (Portland Slag Cement) and PPC (Portland Pozzolona Cement) may be used in non structural works.

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Water

Water used for masonry shall be clean and free from injurious amounts of deleterious materials.

Water tested shall be in accordance with IS 3025. Maximum permissible limits of deleterious materials in water as given in IS 456.

Fine aggregate (sand)

Natural sand deposited by stream or glacial agencies as a result of disintegration of rock is the best form of fine aggregate. The fine aggregate shall conform to following standards.

i. For plain and reinforced concrete IS 383 Specification for coarse and fine aggregates from natural sources for concrete.

ii. Mortar and grout IS 2116 Specification for sand for masonry mortars.

Sand shall be hard, durable, clean and free from adherent coatings and organic matter and shall not contain any appreciable amount of clay. Sand shall not contain harmful impurities such as iron, pyrites, coal particles, lignite, mica shale or similar laminated material, alkali, and organic impurities in such form or quantities as to affect the strength or durability of concrete or mortar. Also it should not contain any material liable to attack the steel reinforcement.

Fine aggregate shall be thoroughly washed at site with clean fresh water such that the percentage of all deleterious material is within the permissible limits laid down. as per IS 2386 Part I and Part II, fine aggregate shall not exceed permissible quantities of deleterious materials as given in table 1 of IS 383.

SCAFFOLDING

(Scaffolding and working platform shall be included in the price.)

Scaffolding independent of brickwork i.e., double scaffolding shall be provided. It should be tied to brick work or structure at suitable intervals in both directions. Two rows of planks shall be provided all around. Planks shall be at least 50 mm thick and well-tied to scaffolding. Railing to the outside face shall be provided. While erecting scaffolding, the following points must be noted and closely followed:

- i. Minimum number of holes in the horizontal direction. Holes shall be formed by omitting header brick.
- ii. No holes in pillars under 1 meter in width.
- iii. No holes near the skew backs of arches.
- iv. Scaffolding must be sound and strong and easy to maintain.
- v. Holes left must be closed while finishing the plaster.

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Plastering with Integral water proofing compound shall conform to IS 2645 (specification for integral water proofing compound).

WORKMANSHIP

1. Preparation of mortar mix:

1.1 The material used in preparation of plastering mixes shall be measured by volume using gauge-boxes or by weight.

1.2 When cement is measured by weight, 1440 kg of material shall be taken equivalent to one cubic meter.

1.3 Mixing shall be done mechanically. Each mortar batch shall be used within half an hour. Hand mixing if permitted as special case shall be carried out on a clean, watertight platform. The mixing operation shall be continued with addition of necessary quantity of water until a uniform appearance and consistency of mortar is obtained.

1.4 Cement and sand shall be mixed dry in required proportion to obtain a uniform colour and water shall then be added to get the required consistency for the plaster.

2. Method of plastering: (With applying bond coat over old brick surfaces).

2.1 Surfaces to be plastered must be clean and free from dust, loose material, oil, grease, mortar droppings, sticking of foreign matter, traces of algae, etc. It is very important to ensure that there should not be any chance of the plaster getting de bonded due to presence of materials harmful for bonding.

2.2 Raking out of joints are expected to be carried out along with masonry but it should be checked thoroughly so as to receive good key.

2.3 Walls should be sufficiently damp prior to plastering. Water from plastering mortar must not be absorbed by masonry under any condition.

2.4 Bond coat of approved manufacturer should be applied after drying the surface or may use with cement slurry after moisten the old brick surfaces.

2.5 Any unavoidable projections in masonry and concrete surfaces shall be chiseled back. Care shall be taken that surrounding surfaces are not damaged and reinforcement is not exposed. All the damaged chajjas, lintels, beams & columns are to be repaired or re do the same with necessary specification so far normally used or as specified.

2.6 Thickness of one coat should not be more than 15mm and less than 8 mm for single coat finished plaster.

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2.7 In case of multi coat plaster, sufficient time shall be allowed for the undercoat to harden (cured, dried and shrunk properly) before subsequent coats are applied.

2.8 Undercoats shall be scratched or roughened before they are fully hardened to form a mechanical key.

2.9 The method of application is also important and hence it is recommended that the mix be thrown on the surface rather than stuck with trowel. This increases the adhesion.

2.10 Scaffolding should be rigid, allowing free and safe movement on the platform and it should be at sufficient distance or height from the working areas. Scaffolding with railing gives more confidence to workers and improves the quality of work.

2.11 Actual plastering shall be undertaken only on the approval of the SOCIETY's REPRESENTATIVE Plasterwork should only follow the steps mentioned below:

- a. Surface must be thoroughly cleaned.
- b. Plaster area must be provided with level dabs or spots allowing working and checking with 2-3 m straight edge. Depth of plaster must not be less than 8 mm at any point.
- c. Required concealing services must be completed and tested.
- d. No further cutting of masonry must be required.
- e. Repairs carried out to masonry or concealing work must be cured and dry.
- f. Surface must be sufficiently damp.
- g. Plaster dabs are checked for plumb and level by the SOCIETY's REPRESENTATIVE or their Chairman/Chairperson of the Committee/Secretary & the building wise representative/representatives as decided during the commencement of the work. It is to be noted that every body's direction may confuse the Contractor/ their Engineers/Supervisors.
- h. Joints, concealing and repairing areas must be covered with 20 gauge GI chicken Mesh as per the SOCIETY's instruction depending upon the requirement & budget provision as this item is not specified in the tender as the plastering work has to carry out on old surfaces.

2.12 Corners, external or internal, shall be finished along with final coat. It is advisable to have rounded corners.

2.13 Plaster shall be cured for 14 days by wet curing except in near finish plaster. During this period plaster shall be protected from exposure to extremes of temperature and weather.

2.14 Plaster shall be leveled and lined by aluminum hollow section, 2-3 m long OR standard length of straight and seasoned wooden section. (This will give even and leveled surface). There shall not be more than 2 mm difference in level when checked with 3 m straight edge. It is important that enough pressing and beating is done to achieve compact filling of joints and that the area is fully compacted.

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2.15 Finishing of plaster may be carried out with wooden float (randhas) or trowel led smooth with sheet metal trowels as specified. Care shall be taken to avoid excessive trowel ling and overworking of the wooden float.

2.16 All corners, internal or external, shall be truly vertical or horizontal. These shall be finished with a proper template to achieve best workmanship for rounding and chamfering as specified or directed.

2.17 Plaster shall be cut to correct horizontal or vertical line at the end of the day or if work requires to be suspended for any reason.

It is advisable to limit the area of plaster to 15 sq m to avoid cracks due to thermal movements of dissimilar material in contact; it is advisable to provide joints treated with groove or any other detail as suggested by the Architect. These joints if not specified shall be treated with 200 mm wide reinforcing Plaster mesh (approved by the SOCIETY) fixed over joints by GI nails and the area plastered.

External Water proof Plaster (As per specification of the tender)

20mm two coat cement and sand mortar in proportion of 1:4 shall be applied to external surfaces. The first or the scratch coat shall be approximately 14mm thick and shall be carried out continuously without break to the full lengths of walls or natural breaking points, such as doors, windows and the like. The scratch coat shall be applied to prepared surfaces with heavy pressure to produce a true and even surface and then lightly roughened by cross scratch lines to provide a bond for the finishing coat. The scratch coat shall be cured for at least 7 (seven) days and then allowed to dry. The second coat shall be 6 mm thick and shall not be applied until at least 10 (ten) days after the application of the scratch coat. Before the application of the second coat the scratch coat shall be uniformly dampened. This coat shall be applied from top to bottom in one operation and without joints and the finish shall be straight, true and even. Only approved white sand shall be used for the second coat and for finishing work. Sand for finish shall be of even coarse size and shall be dashed on the surface and sponged. Water proofing compound shall be added as per manufacturers specifications in the plaster mix. Where 32mm thick plaster or render is specified for the purpose of providing beading, bands and the like work shall be carried out in either two or three coats as directed by the LIC of India or his representative. For pebble face finished plaster or render pebbles of approved size and quality shall be dashed against the final surface to obtain a uniform pattern to the satisfaction of the SOCIETY or his representative/representatives.

18mm two coat cement and sand mortar in proportion of 1:4 shall be applied to external surfaces as specified. The first coat shall be 12mm thick and the second coat 6mm thick. The first layer shall be dashed against prepared surfaces with a trowel to obtain an even surface. The second layer shall then be applied and finished leaving a trowel finished even and uniform surface.

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Where specified or directed by the LIC of India or his representative the Contractor shall incorporate approved waterproofing admixtures obtained from reputed manufacturers into the mortar for plasterwork and render. Quantities to be used and the method of incorporation shall be strictly in accordance with the manufacturer's instructions subject to the satisfaction of the SOCIETY OR their Authorized Representative/Representatives. Admixtures shall not contain calcium chloride unless specifically approved by the SOCIETY OR their Authorized Representative/Representatives and shall conform to IS 2645.

Internal cement sand plaster in walls for patch repair work :

Single coat cement-sand plaster with cement-sand mix in proportion of 1:6 shall be carried out over the entire area as detailed above with Plaster mesh of approved equivalent make at all concrete & masonry interfaces of width 200mm. Columns shall have corner beads of size 55x55mm of approved equivalent make all fixed as per manufacturer's instructions. The plaster shall be finished just with wooden float to give the best smooth surface possible to match with the existing plaster. Thickness may be from 15 to 20 mm maximum or as specified in the schedule of specification.

Ceiling cement sand plaster for patch repair work :

Single coat cement-sand plaster with cement-sand mix in proportion of 1:4 shall be carried out over the entire area as detailed above with Plaster mesh of approved make at all concrete & masonry interfaces of width 200mm. The plaster shall be finished just with wooden float to give the best smooth surface possible duly lime rendered as indicated Clause above after hydrating the lime for 24 hours before commencing the work. Thickness may be from 6 to 10 mm either as specified in the tender.

IPS Flooring

The flooring shall be of specified thickness and shall consist of 1:2:4 concrete base/ M15 concrete as specified in the finishing schedule and 12mm thick wearing coat. The granolithic flooring shall be laid in alternate panels. The size of panels shall be as decided by the SOCIETY OR their Authorized Representative/Representatives.

Laying of 1:2:4/ M15 Concrete Base

The 1:2:4/ M15 concrete base shall be of graded course aggregate of 20mm and down size, 10mm course sand & cement. The ingredients shall be thoroughly mixed with sufficient water to obtain the required plasticity. The floor shall be completed with 1:1 cement sand mortar 12mm thick and cement slurry 2.2kg/sqm including Glass divider strips 45/50x4mm thick set in the flooring including necessary leveling, setting, etc.

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The free water on the surface of the base shall be removed and a coat of cement slurry of the Consistency of thick cream shall be brushed on the surface.

The prepared 1:2:4/ M15 concrete shall be laid immediately after mixing on the fresh grouted base. The concrete shall be spread evenly and leveled carefully. Low places shall be filled, humps removed and the whole surface again leveled. The layer shall be compacted by ramming and troweled and allowed to set.

Mixing and Laying Of Wearing Coat

One part of cement in dry state shall be mixed with 1.5 parts by volume of well graded/crushed granite chips of 6mm maximum size. The ingredients shall be then mixed with sufficient water as for ordinary concrete. The wearing coat shall be laid 12mm thick over 1:2:4 cement concrete bases immediately after it has set compacted and leveled with a steel trowel. Just sufficient trowel ling shall be made to give a level surface. The surface should not be over trowel led, as excessive trowel ling will bring the cement to the surface, which shall be strictly avoided. When the initial set takes place further compaction by steel trowel ling shall be done and final brushing shall be made before the topping becomes too hard.

Floor hardeners

Where specified in the drawings, floor hardeners, approved by the SOCIETY OR their Authorized Representative/Representatives, shall be supplied and incorporated into surface finishes in accordance with the manufacturer's recommendations.

Curing

As soon as the surface is hard enough, it shall be covered with sacking or sand and kept continuously wet for a period of at-least one week.

Screed Flooring

The flooring shall be of specified thickness and shall consist of 1:2:4 concrete base as specified and 12mm thick wearing coat. The screed flooring shall be laid in alternate panels. The size of panels shall be as decided by the SOCIETY OR their Authorized Representative/Representatives.

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Laying of 1:2:4 Concrete Base

The 1:2:4 concrete base shall be of graded coarse aggregate of 20mm and down size, 10mm course sand & cement. The ingredients shall be thoroughly mixed with sufficient water to obtain the required plasticity.

The free water on the surface of the base shall be removed and a coat of cement slurry of the consistency of thick cream shall be brushed on the surface.

The prepared 1:2:4 concrete shall be laid immediately after mixing on the fresh grouted base. The concrete shall be spread evenly and leveled carefully. Low places shall be filled, humps removed and the whole surface again leveled. The layer shall be compacted by ramming and trowel led and allowed to set.

MS Mesh at joints

MS mesh shall be laid at all panel joints with mesh of size 40mmx80mm-10 SWG

Mixing and Laying Of Wearing Coat

One part of cement in dry state shall be mixed with 1.5 parts by volume of well graded/crushed granite chips of 6mm maximum size. The ingredients shall be then mixed with sufficient water as for ordinary concrete. The wearing coat shall be laid 12mm thick over 1:2:4 cement concrete bases immediately after it has set compacted and leveled with a steel trowel. Just sufficient trowel ling shall be made to give a level surface. The surface should not be over trowel led, as excessive trowel ling will bring the cement to the surface, which shall be strictly avoided. When the initial set takes place further compaction by steel trowel ling shall be done and final brushing shall be made before the topping becomes too hard.

Floor hardeners

Where specified in the drawings, floor hardeners, approved by the SOCIETY OR their Authorized Representative/Representatives, shall be supplied and incorporated into surface finishes in accordance with the manufacturer's recommendations.

Curing

As soon as the surface is hard enough, it shall be covered with sacking or sand and kept continuously wet for a period of at-least one week.

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1**ANTI-TERMITE TREATMENT**

Indian Standards

Indian Standards to be followed are

- 1) IS 4015 (Part-I & II) - Guide for handling cases of pesticide poisoning.
- 2) IS 6313 (Part-I) - Code of practice for Anti- termite measures in buildings constructional measures
- 3) IS 6313 (Part - II) - Code of practice for anti-termite measures in Building (pre constructional chemical treatment)
- 4) IS 6313 (Part-III)- Code of practice for anti-termite measures in Building (post constructional chemical treatment)-As specified in tender.**
- 4) IS 8944 - Specification for Chloropyrifos Emulsified concentrates.

For mound treatment

	Chemical	Relevant Indian Standard	Concentration By Volume
a)	Cholopyrifos emulsifiable concentrate	IS : 8944	1.0%
b)	Lindane	IS : 632	1.0%

For soil treatment

	Chemical	Relevant Indian Standard	Concentration By Volume
a)	Cholopyrifos emulsifiable concentrate	IS : 8944	1.0%
b)	Lindane	IS : 632	1.0%

4) IS 6313 (Part-III)- Code of practice for anti-termite measures in Building (post constructional chemical treatment)-As specified in tender.

Treatment of soil along external perimeter:

Finally the earth around the external perimeter of the building upto a depth of 30 cm shall be treated at the rate of 5.0 litres per running meter of the external wall. To facilitate this treatment solid MS rods should be driven into the soil as close possible to the plinth wall at intervals of 15 cm, and upto a depth of 30 cm, and the rods moved backwards and forwards in a direction parallel to the wall to break up the earth so that the emulsion mixes intimately with the soil.

(ACTUAL CHEMICAL CONSUMPTION ON MANUFACTURER'S SPECIFICATION)

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CONCRETE WORK
(For Chajjas & Lintels)-as specified in schedule of quantities)

STANDARD

Work shall be carried out to Indian Standards and Code of Practices. In absence International Standards shall be followed. These shall be latest issue. List given hereunder is not to be considered as conclusive and is for reference and guidance only. Any discrepancies /conflict noticed shall be directed to the Engineer-in-Charge for his direction/approval. However as a general rule more stringent specification shall take precedence.

- 1) IS 269 Specification for Ordinary and low heat, Portland cement
- 2) IS 8112 Specification for 43 grade ordinary Portland cement
- 3) IS 12269 Specification for 53 grade ordinary Portland cement
- 4) IS 383 Specification for Coarse and fine aggregates from natural sources for concrete work.
- 5) IS 456 Code of practice for plain and reinforced concrete work.
- 6) IS 460 Specification for test sieves (Part I,II & III)
 - i. Wire cloth test sieve
 - ii. Perforated plate test sieve
 - iii. Method of examination of test sieves
- 7) IS 515 Specification for natural and manufactured aggregates from natural sources for concrete work.
- 8) IS 516 Method of test for strength of concrete.
- 9) IS 2386 Method of test for aggregate for concrete (Part I,II & III)
 - i. Particle size and shape
 - ii. Estimation of deleterious materials and organic impurities
 - iii. Specific gravity, density, voids, absorption and bulking.
- 10) IS 2645 Specification for Integral cement water proofing compound
- 11) IS 3025 Methods of Sampling and test (Physical and Chemical for water)
- 12) IS 9103 Specifications for admixture for concrete.
- 13) SP 16 Handbook
- 14) SP 23 Handbook on concrete mix
- 15) SP 24 Explanatory handbook on Indian Standards code for plain and reinforced concrete (IS 456).

QUALITY ASSURANCE

1. Concrete used on site shall comply to relevant parts of Standards, Codes of practices, technical specification given in particular or approved, designed mixes as prepared, approved and adopted for works to give designed strength, serviceability, long term durability etc.
2. Provide and monitor quality control over materials received from suppliers / manufacturers to ensure that materials comply with standard specified and are as approved.

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3. Provide experienced supervision and work force to ensure that workmanship is of specified quality.
4. Work shall not be subjected to harmful, dangerous, damaging or deleterious exposures while it is in progress or on completion during contract period. 1.2.5 Contractor to undertake quality assurance by documenting
 - i) Test report for material used in producing concrete.
 - ii) Pour cards with approval of the Authorized Representative/Representatives of the Society prior to placement.

SUBMITTALS

1. Submit samples of all materials such as cement, sand, aggregate, admixtures, water etc to be incorporated into concrete along with test certificates from Govt .Engineering colleges like VGIT, IIT etc or Govt. approved laboratories for the Authorized Representative/Representatives of the Society's approval.

2 Samples During construction, the materials shall be sampled and tested as often as directed by the Authorized Representative/Representatives of the Society to the contractor. Samples shall be taken and tested in accordance with latest revisions of Indian standard specifications and the cost thereof shall be borne by the Contractor.

3. Shop Drawings of structural elements for form work, reinforcement & concrete.

EXAMINATION OF CONDITIONS

Contractor shall inspect and examine sub stratas and confirm prior to start that.

1. Substrate is acceptable and approved by Authorized Representative/Representatives of the Society.
2. Conditions are satisfactory
3. Setting out/Layout is verified
4. Corrective measures needed if any are within reach and contractor proceeds with full responsibility for work.

MATERIALS

Cement

Cement shall be ordinary Portland cement conforming to IS and shall be of grade 53/43 for structural use.

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It shall be received in bags of 50 kg or loose in tankers and each batch shall be accompanied with a test certificate of the factory. Also it shall be tested before use to ascertain its strength, setting time, etc. In case cement has been stored for over 3 months or for any reasons the stored cement shows signs of deterioration or contamination, it shall be tested as per the direction of the Authorized Representative/Representatives of the Society prior to use in the works.

Coarse aggregate

1. Coarse aggregate shall be obtained from natural sources such as stone, gravel, etc., crushed or uncrushed or a combination thereof from approved quarries.
2. Aggregate shall be hard, strong, dense, durable, clean and free from veins and adherent coatings. It shall be free from soft, feeble, thin, elongated or laminated pieces and shall be roughly cubical in shape. It shall consist of coarse material, most of which is retained on 4.75 mm IS sieve.
3. Coarse aggregate shall not contain any harmful material such as iron, pyrites, coal, mica, shale or similar laminated material; neither shall it contain clay, alkali, soft fragments, sea shells, organic impurities, etc. in such quantities that adversely affects the strength and durability of the concrete. In addition to the above, in reinforced concrete the aggregate shall not contain any material which might attack the reinforcement. The maximum quantities of deleterious materials in the coarse aggregate, when determined in accordance with IS 2386 Part I and Part II "Method of test for aggregates for concrete" shall not exceed the limits laid down in table 1 of IS 383.
4. Aggregate crushing value, impact value, abrasion value and soundness of aggregate shall respectively be in accordance with para 3.3, 3.4, 3.5 and 3.6 of IS 383.
5. Grading of coarse aggregate shall be in conformity with the requirements laid down in IS-383. See table 2 and table 3. The grading of coarse aggregate shall be such that not more than 5% shall be larger than the maximum size and not more than 10% shall be smaller than the smallest size. Between these sizes the coarse aggregates shall be well graded. For heavily reinforced concrete the aggregate shall be subjected to tests in accordance with IS 2386 or and directed by the Authorized Representative/Representatives of the Society. The maximum size of coarse aggregate should not be greater than one fourth of the minimum thickness of the member and it should be restricted to 5 mm less than the minimum clear distance between the main bars or 5 mm less than the minimum cover to the reinforcement.
6. Source of aggregate shall be from an approved Government location. It shall be tested prior to the approval of the Authorized Representative/Representatives of the Society from an approved testing laboratory. In case available aggregates do not meet certain requirements of IS 383 or any other specification, required processing shall be carried out by the contractor It shall be the duty of the contractor to make sure that aggregate material received by him is from Government approved quarries and with fully paid royalties, taxes, duties, etc. as may be in force from time to time for respective locations.

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7. Coarse aggregate shall have a minimum specific gravity of 2.6.(Saturated surface dry basis).Aggregate below this specific gravity shall not be used without the special permission of the Authorized Representative/Representatives of the Society.

8. Once a specific source of supply of coarse aggregate is approved, the source shall not be changed without the prior approval of the Authorized Representative/Representatives of the Society.

Fine aggregate

1. Natural sand deposited by stream or glacial agencies as a result of disintegration of rock shall be used as fine aggregate. Fine aggregate shall pass through 4.75mm sieve in total. Crushed sand may be added to natural sand in approved proportions to achieve required grading. The fine aggregate shall conform to following standards.

i) For plain and reinforced concrete IS 383 Specification for coarse and fine aggregates from natural sources for concrete.

ii) Mortar and grout IS 2116 Specification for sand for masonry mortars.

2 Sand shall be hard, durable, clean and free from adherent coatings and organic matter and shall not contain any appreciable amount of clay. Sand shall not contain harmful impurities such as iron, pyrites, coal particles, lignite, mica shale or similar laminated material, alkali, and organic impurities in such form or quantities as to affect the strength or durability of concrete or mortar. Also it should not contain any material liable to attack the steel reinforcement.

3. When tested as per IS 2386 Part I and Part II, fine aggregate shall not exceed permissible quantities of deleterious materials as given in table 1 of IS 383.

4. Fine aggregate shall be thoroughly washed at site with clean fresh water such that the percentage of all deleterious material is within the permissible limits laid down.

5. Grading of fine aggregate shall conform to IS and shall fall within limits of one of the four zones given in table 4 of IS 383.

6. Due allowance for bulking due to damp and moist sand shall be made while preparing the mixes based on volume measurements. It shall be determined as per IS 2386 Part III Appendix A.

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Water

1. Water used for mixing and curing shall be clean, reasonably clear and free from objectionable quantities of silt, oils, alkalies, acids, salts so as not to weaken mortar or concrete or cause efflorescence or attack the steel in RCC while curing it shall be free of elements, which significantly affects the hydration reaction or otherwise interferes with hardening of concrete during curing or those elements which produce objectionable stains or deposits. Potable water is generally satisfactory but it shall be tested prior to use in the works.
2. Water tested shall be in accordance with IS 3025. Maximum permissible limits of deleterious materials in water as given in IS 456.
3. Suitability of water shall be ascertained by the compressive strength and initial setting time test as specified under:
 - a. Average 28 days compressive strength of at least three 15 cm concrete cubes prepared with water proposed to be used shall not be less than 90% of the average strength of three similar concrete cubes prepared with distilled water. Preparation and testing to be in accordance with IS 516.
 - b. The initial setting time of test blocks made with proposed cement and water to be used shall not be less than 30 minutes and shall not differ by + 30 minutes from the initial setting time of control test block prepared with the same cement and distilled water. Preparation and testing of block shall be in accordance with IS 4031.
4. The PH value of water shall not be less than 6 and more than 9.
5. Water shall be tested and approved in writing by the Authorized Representative/Representatives of the Society prior to use in the works.

Delivery and Storage

1. Cement shall be received in bags of 50 kgs and each batch shall be accompanied with a test certificate of the factory. Reject damp or torn bags. Cement shall be stored in dry and water proof shed so as to prevent deterioration due to moisture, dampness. Bags shall be stacked on rigid water-proof platforms about 15 to 20 cm clear above the floors and 25 to 35 cm clear or away from the surrounding walls. A maximum high stack of 10 bags permitted. Stacks shall be so arranged that the first batches are used first, (FIFO) and that they permit easy access for inspection and handling. Loose cement received shall be stored in silos. Silo's shall be equipped to receive cement by pump and manually. Silos shall be water tight and damp proof to keep cement fresh.
2. Coarse Aggregates and Fine Aggregates shall be stored in such a way that it does not get mixed with mud, grass, vegetables and other foreign matter.

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The best way is to have a hard surface platform made out of concrete, bricks or planks. It should be to the approval of the Authorized Representative/Representatives of the Society.

Water

1. Water storage tanks shall be such as to prevent any deleterious materials getting mixed.
2. Covered storages considering the atmospheric/ weather conditions at site storages, covering shall be arranged to take care of temperature controls at site.

Cement concrete

This shall be classified as plain cement concrete or reinforced cement concrete. Plain cement concrete shall be in leveling course under foundations, floors, copings, etc. and shall include form work as part of the work. Reinforced cement concrete shall be at all locations and comprises form work, reinforcement and concrete. Payment of reinforced cement concrete may be composite or item wise as specified in the BOQ. In PCC, payment for form work shall not be made.

1. Concrete shall be classified by its compressive strength at the 28th day. The concrete grades shall be as designated in table 2 of IS 456 "Grade of concrete".

Water cement ratio

The water-cement ratio shall be between 0.42 to 0.55. Additional water may be permitted only as per site condition & shape of structural element. The slump shall depend upon the location and type of work. Higher slump with use of plasticizers shall be permitted.

Mixer

At the start of mixing mixer shall be rinsed/coated by loading with cement, sand, water of the same proportion of batch to be used. Loading the mixer/charging the mixer shall be done mechanically and care to be taken that all material is fully loaded. The mixer shall be run for a minimum period of 2 minutes after all materials are loaded in full quantity. The concrete produced shall be uniform in colour and consistency. Unless agreed by Authorized Representative/Representatives of the Society the first batch of concrete from mixer shall contain two third of normal quantity of coarse aggregate.

Transportation

Concrete shall be transported to place of pour as far as possible in most efficiently, conveniently and without loss of concrete characteristic. Method of transportation shall depend upon the location, size and nature of work. Concrete should be placed within ½ hour of production i.e. prior to initial set. Concrete shall be kept in agitating state when ambient temperatures are high. This shall increase placing time to 1 ½ hrs after water is added.

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Points to be taken care are :

- Method adopted to not to permit segregation
- Containers used are leak proof
- Containers are well covered during rains, heavy winds
- Concrete does not get contaminated by oil, dirt etc.

Placing

The placing temperature of concrete shall not be more than 34o C. If it is more, the Authorized Representative/Representatives of the Society may order addition of ice or chilled water to the concrete. Also the contractor shall take the following precautions :

- a) Mixers and weigh batchers shall be painted with white colour
- b) Aggregate storing bins shall not be exposed to the Sun
- c) Water shall be sprinkled on aggregates well before concreting to keep the temperature low.
- d) Use chilled water for mixing or add flake ice as a proportion of the mixing water.
- e) Place concrete at night.

Laying of concrete

1. Concreting shall commence only after formwork is approved, reinforcement is recorded and permission to proceed with concreting has been approved in writing from the Authorized Representative/Representatives of the Society.
2. Formwork should be clean, free from sawdust, pieces of wood or any other foreign material. It should have been treated by form releasing agent prior to the laying of reinforcement and concrete. Prior to placing concrete against old concrete, masonry, rock all loose materials shall be removed and surfaces washed down. Concrete shall be worked around ties and bond and in open joints.
3. Concrete shall be as gently deposited as is practically possible, in its final position to avoid rechanneling and shall be so deposited that segregation of aggregates does not occur. In case of deep trenches and footings, it may be done with the help of a chute. Columns and walls shall be so adjusted in form work so that maximum depth is 1.5 meter unless consented to by the Authorized Representative/Representatives of the Society. Concrete from wheel barrows shall not be dumped away from the face of concrete already in place. It shall be dumped into the face of concrete already in place. In excavations prevent contamination of earth and concrete without disturbing unsupported sides of excavation. Concrete shall not be placed in water except where specified.
4. Concrete onto a sloping surface shall be discharged by providing a chute with a baffle and a drop at its end so that the concrete remains on the slope.

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5. Concrete shall be placed in position within 30 minutes from the time it is produced. Concrete shall be laid during normal working hours. Concreting at night or on holidays shall be permitted only on the written approval of the Authorized Representative/Representatives of the Society.

6. Placing in each section shall be a continuous between construction joints. The contractor shall make provision for standby equipment. In case of delay or break down stop ends are to be provided or concrete placed to be removed as per direction of the Authorized Representative/Representatives of the Society.

7. Placing shall not take in open during storms or rains, strong winds. Contractor to organize and provide required protection.

Compaction of concrete

Concrete shall be thoroughly compacted as depositing shall proceed by means of suitable vibrators. The vibrators shall maintain the entire concrete under treatment in non adequate state of agitation and shall continue during the whole period occupied by placing of concrete. Care shall be taken not to over-vibrate the concrete. While withdrawing needles no holes should be visible in concreting. Compaction shall be completed before the initial setting time. Concrete already set shall not be disturbed by successive vibrations. **It shall be ensured that the needle vibrators are not applied on reinforcement which may destroy the bond between concrete and reinforcement.** When electric vibrators are in use, the standby petrol vibrator must always be available at the concreting point. **However, for sunshade & for any cantilever portion it is better to not use any vibrator, proper compaction by wooden mallet may be used.** Before commencement of concrete, adjacent concrete stopper and surfaces shall be chipped and roughened to expose aggregate, then wire brushed and cleaned. The concrete surface shall be sprayed with water for 24 hours before casting and kept wet until casting. Prepared joint shall be treated as above prior to the start of fresh concreting. For vertical joints neat cement slurry shall be applied on the surface just before concreting. For horizontal joints, the surface shall be covered with a layer of mortar about 10 to 15 mm thick composed of cement and sand in the same ratio as the cement and sand in the concrete mix. This layer of cement slurry shall be freshly mixed and applied just before concreting.

Curing

Curing of concrete is most important. There shall be no compromise on this activity and it is for the contractor to arrange for everything necessary to make sure that the concrete is cured to the complete satisfaction of the Engineer-in-Charge. As said above in clause , after concrete has begun to harden i.e. about 1 to 2 hours after laying, it shall be protected from quick drying with moist or damped hessian cloth or any other material approved by the Authorized Representative/Representatives of the Society. After 24 hours of laying of the concrete, the surface shall be cured by flooding with water or covering with damp hessian cloth for a period of 7 days to keep it moist. For the next 7 days the surface shall be kept wet all the time by sprinkling water continuously. For membrane curing, details as listed in 12.5 of SP 24 shall be followed.

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Finishing

Concrete shall be finished keeping in mind the next operation to be carried out over the surface. For guidance the following points shall be noted but the Authorized Representative/Representatives of the Society shall be consulted prior to start of concreting and his decision in this regard shall be final. The surface that will receive plaster shall be roughened immediately. Surfaces that will be in contact with any masonry work shall be roughened immediately.

Inspection and corrective measures

1. On removal of form work, the surface shall be examined by the Authorized Representative/Representatives of the Society. Till such time, no remedial measures shall be carried out by the contractor. All patching, rectification or chipping shall be done only on the Authorized Representative/Representatives of the Society 's instructions. In case of any violation of this rule, the concrete poured stands rejected. The decision of the Authorized Representative/Representatives of the Society in this regard shall be final and binding on all parties. Sagged, bulged, patched, honeycombed work shall stand to be rejected for surfaces that are exposed, or require fairface finish or decorative textured finish. The Authorized Representative/Representatives of the Society may permit any work found structurally safe and areas of unexposed faces, for repairing. As directed by the Authorized Representative/Representatives of the Society these works shall be retained and the cost of repair shall be at the contractor's account.

2. Cracks observed shall be brought to the notice of the Authorized Representative/Representatives of the Society who shall examine them. It shall be kept under observation and a record shall be maintained for a period of 45 days. It shall be shown to the Structural Engineer and the following procedure shall be followed:-

a) Cracks not developing further and in the opinion of Structural Engineer not detrimental to the strength of the construction shall be grouted with non-shrinking cement slurry or as directed by the Authorized Representative/Representatives of the Society.

b) Cracks developing further and, in the opinion of the Structural Engineer, detrimental to the strength of construction, shall be tested as per the relevant Indian standard.

c) Based on results of the test, the Authorized Representative/Representatives of the Society in consultation with the Structural Engineer shall order remedial measures or order the contractor to dismantle construction, cart away the debris, replace the construction and carry out all the consequential works thereto.

d) Cost of the above shall be borne by the contractor if the failure was on his part. In case it is due to design faults, it shall be borne by the Society.

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e) The decision of the Authorized Representative/Representatives of the Society in this matter shall be final and binding on all parties. This decision shall not be open for arbitration.

Testing

Quantum of cubes and testing of cube casting is mandatory though in one day volume of concrete of 5 Cu.m may not reach so far Sunshade & Lintel casting, however for checking the quality of Concrete it has to be deviated as per site situation and as per instruction of the Authorized Representative/Representatives of the Society. Three cubes shall be tested on the 7th day and other three cubes on the 28th day.

Field Tests

It is the responsibility of the contractor to prepare and get the cubes tested and to provide all the material, labour, moulds, equipment, casting and curing facility, charges for testing, etc. Further, the contractor shall have to provide and maintain all the equipment and staff at the site throughout to carry out the following tests in a small laboratory or get these tests from approved laboratories without extra cost to the contract.

- a) Grading of coarse and fine aggregates
- b) Silt content of sand
- c) Moisture content of coarse and fine aggregates
- d) Slump test of concrete
- e) Concrete cube test

REINFORCEMENT WORK

Work shall be carried out to Indian Standards and Code of Practices. In absence International Standards shall be followed. These shall be latest issue. List given hereunder is not to be considered as conclusive and is for reference and guidance only. Any discrepancies /conflict noticed shall be directed to the Engineer-in-Charge for his direction/approval. However as a general rule more stringent specification shall take precedence.

Shop drawings

Contractor shall prepare and submit bar bending schedule based on structural detailed drawing prior to fabrication for approval of the Authorized Representative/Representatives of the Society.

MATERIAL

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Reinforcement bars used in construction shall be mild steel or medium tensile steel round bars and high strength deformed bars. Steel shall be fresh and new. It shall be free of defects and free of rust, oil, paints, grease, loose mill scale or any other deleterious material undesirable for RCC or prevent adhesion of concrete with reinforcement. Steel should be from the original iron ore producers (like SAIL, TATA.

If other steel is to be used then billets should be approved from SAIL, TATA. Other steel can be used only after prior approval of the Authorized Representative/Representatives of the Society.

High-strength deformed bars for use as reinforcement in concrete shall be of grade Fe 415, Fe 500 and Fe 550 conforming to IS 1786.

All reinforcement material shall be free from loose mill scale, excessive rust, loose rust, pitting, oil, grease, paint, mud or any foreign deleterious material present on the surface. Cleaning shall be done to the satisfaction of the Authorized Representative/Representatives of the Society.

Cover block

Cover blocks shall be of non-corrosive material such as plastic but not wooden or broken bricks or stone. Designed purpose made PVC cover spacers shall be used in the Works. Concrete cover spacers may be permitted by the Authorized Representative/Representatives of the Society. Such concrete spacers shall be cast from concrete and not cement-mortar. Strength of these blocks shall be equal to the strength of concrete in use. These should be fully cured prior to use in works.

Binding Wire

Binding wire shall be 16 or 18 gauge annealed wire conforming to IS 280. It shall be free from rust, oil, paint, grease, loose mill scale or any other deleterious material undesirable for the reinforcement and concrete or which may prevent adhesion of concrete with reinforcement.

WORKMANSHIP

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Fabrication of reinforcement

Reinforcement shall be fabricated as per the shop drawing suppose to submit by the Contractor and approved bar bending schedule. Bending shall be done mechanically or with hand but to the correct radius, with proper tools and platform and shall conform to IS 2502. Bending of material shall be cold bending only. Material shall be inspected for visible defects such as cracks, brittle, excessive rust, loose mill scale, etc. Cracked ends of bars shall not be used in Works. Also the bars should be free from any deleterious material and hence the best practice shall be to hose down reinforcement just prior to concreting. It is important that bending, straightening, cutting, etc. shall be carried out in a manner not injurious to the material and the safety of the persons working should be ensured.

Tender No. : TAC/TYPE-E/FLATS/202

Anchoring

Anchoring of bars and stirrup shall be provided exactly as detailed in the shop drawing suppose to submit by the Contractor or as directed by the Authorized Representative/Representatives of the Society.

Lapping of bar

NO LAPS ARE ALLOWED IN CASE OF PIECE LINTEL & SUNSHADE

Spacing of bars

Bars shall be placed in position as shown in the drawing. Following guidelines as given in IS 456 shall be followed in case of difficulties or shall be carried out as directed by the Authorized Representative/Representatives of the Society.

Horizontal distance between two parallel main reinforcing bars shall usually not be less than the greatest of the following:

- i. The diameter of the bar, if the diameters are equal.
- ii. The diameter of larger bar, if the diameters are unequal, and
- iii. 5 mm more than the nominal maximum size of coarse aggregate (By using reduced size of aggregate in congested reinforced area, conditions given hereof should be overcome).

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Cover to reinforcement

Reinforcement shall have concrete cover and the thickness of such cover (exclusive of plaster or other decorative finish) shall be as specified in drawing or as directed by the Authorized Representative/Representatives of the Society. The following guidelines are to be observed in the absence of the above.

At each end of the reinforcing bar, not less than 25 mm, nor less than twice the diameter of such bar; for tensile, compressive, shear or other reinforcement in slab, not less than 15 mm, nor less than the diameter of such bar; and For any other reinforcement, not less than 15 mm, nor less than the diameter of such bar.

Fixing in position

Correctly cut and bent bars shall be accurately placed in position as detailed in the drawing. Unless otherwise specified by the Authorized Representative/Representatives of the Society, reinforcement shall be positioned within the tolerance as under:

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- a) for effective depth 200 mm or less, + 10 mm
- b) for effective depth more than 200 mm, + 15 mm

FOR SUNSHADE IT HAS TO BE TAKEN CARE SO THAT REINFORCEMENT BARS SHOULD BE AT TOP IN CONTINUATION OF THE STIRRUPS OF LINTELS USING NECESSARY CHAIRS TO KEEP THOSE BARS AT TOP LAYER OF CONCRETE SO FAR AS CANTILEVER DESIGN.

FORM WORK

Standards

Work shall be carried out to Indian Standards and Code of Practices. In absence International Standards shall be followed. These shall be latest issue. List given hereunder is not to be considered as conclusive and is for reference and guidance only. Any discrepancies/conflict noticed shall be directed to the Authorized Representative/Representatives of the Society for his direction/ approval. However as a general rule more stringent specification shall take precedence. **IS 303 Specification for plywood for general purpose.**

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Quality assurance

Contractor shall assume and take upon himself to

a) Design, construct, erect, maintain and struck form work proprietary or custom made

b) Form work shall provide required.

- Shape, size and finish.
- Rigidity and durability during placing (live levels).
- Rigidity and durability for receiving fresh concrete.
- Leak proof water tight joints/junctions.
- Easy removal without disturbing concrete.
- Provide easy access for handling and placing.

c) Form work shall provide safety and shall have adequate access for concreting.

d) Workers shall work with required safety measures such as safety belts, helmet etc.

MATERIAL

Material used in form work shall be combination of timber, ply woods, steel props, steel plates, or specially designed and manufactured moulds out of plastic or reinforced fiber glass or steel or aluminum alloy or combination. Use of timber shall be limited to beam bottoms, runners, but not for soffit of slab, wall faces etc. Use shall depend upon its location, type of finish specified and subject to acceptability by the Authorized Representative/Representatives of the Society. Recommendations are as under:

- i. Steel Props - Heavy duty, drop head and adjustable type or as per system to be adopted.
- ii. Steel Plates - MS angles 45 x 45 x 4 mm thick frame work with minimum 16 gauge thick sheet.
- iii. Ply wood - Marine ply: Plastic coated preferred.
 - a. 12 mm thick with timber framing for sides of beam.
 - b. 18 mm thick with timber framing for beam bottom and wall panels.
 - c. 12/18 mm thick for slab depending upon thickness and supporting system.
- iv. Bracing - 40 mm dia MS steel tubes with clamps.

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Formwork designed with proposed material in use should be able to retain its shape, lines, and dimensions shown in the drawings. It should safely carry the full load of concrete together with any live and impact load likely to occur during concreting. Material used shall conform to IS. It is the contractor's responsibility to entirely achieve the standard expected to the satisfaction of the Authorized Representative/Representatives of the Society.

Standard rolled steel sections shall be used with due fabrication of standard special moulds, unitized form work scaffolds, staging etc.

Timber

a) Jungle wood timber in form of planks, battens (runners), ballies, strong durable without cracks, able to sustain warping, twisting and distortion shall be allowed in work for type of requirements.

Wire nails conforming to IS and mating needs shall be used. Bolts / Nuts /Clamps MS bolts, nuts, clamps standard or purpose made shall be used. Use of these shall not be harmful to concrete and shall be easily removable or if left in concrete shall be inert to concrete in all respect.

Form release Agents

Emulsion and oil or chemical agent being used shall not react with reinforce concrete at any stage. No chemical reaction shall take place which may be harmful to reinforcement concrete for its durability strength. These shall not produce any stain and shall not stick to concrete surfaces which will reduce further bonding strength of masonry mortar, painting etc.

Labour

The contractor shall provide experienced skilled carpenters to carryout work with system of formwork deployed and necessary plants and equipment shall be made available at site.

WORKMANSHIP

4.1 Form work shall be classified namely as follows:

- a) Textured or decorative finish
- b) Fair-faced finish
- c) Rough finish

In BOQ, the contractor shall account for all material and labour etc. to achieve the above finishes to the satisfaction of the Authorized Representative/Representatives of the Society in his quoted price.

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- i). Erection of form work may be from pre-moulded, pre-fabricated, pre-assembled plates or forms reasonable enough to transport and erect at site to correct line and level as set out at site. Supports shall be firm and maintained in position by nails, cross bracings, tie rods, locking bolts and nuts. It shall be rigid and stiff so as to retain its shape during and after concreting. The tie rods shall be terminated at least 40mm inside the finished surface.
- ii). Joints shall be water-tight and no cement slurry shall be allowed to slip through. In joints foamed tapes shall be used.
- iii). Pre-fabricated or site forms shall be assembled, so as to de shutter without any jerk to the green concrete. For this double wedges shall be used. Wedges shall be nailed, the heads reasonably left out, allowing easy removal while de shuttering.
- iv). Pre-fabricated or on site fabricated forms shall be of sufficient thickness and with the required supporting runners in either direction. Supporting runners shall be standardized in size for easy replacement and universal use at site.
- v). Props shall be of steel only. Teak ballies may be permitted with written permission of the Engineer-in-Charge for specific use. Size and verticality shall be approved by the Authorized Representative/Representatives of the Society. Its spacing shall be as per design. It shall be vertical and plumbed. Base shall be a proper steel plate or timber plank, for equal distribution of Load.
- vi). In repeated use, panels shall be clearly marked for using at defined locations.
- vii). Successive lift shall be tightened with previous lift by fixing foamed strips at joints to avoid grout leakage.
- viii). In fill pieces and panels shall be well dressed, leveled and jointed with main formwork so as to achieve smooth, even natural finish.
- ix). Props, Soldiers, walling, Shores, bearers, Clamps, wall & ties etc. shall be at required spacing.
- x). Props, shores shall be securely braced with firm bearing.
- xi). Provide and fix or fix only inserts pockets, to correct line and level and with sufficient rigidity to keep in position while concrete placing is in progress along with vibration.
- xii). Sloping, brackets, chajjas/sun shades etc shall be well secured and firmly restrained.
- xiii). Adequate access and working platform shall be arranged with required safety to avoid reinforcement displacement, damage to shuttering and easy movement of concrete gang.

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xiv). Props and scaffolds are to be erected to correct plumb, line, level and with required tie. Load carrying capacity of props shall be as per table of manufacturer.

xv). Props and scaffolds shall not be loaded more than allowed by manufacturer of Props /scaffolds.

xvi). Heavy, medium and light duty props shall not be mixed up.

xvii). Beams and slabs shall have camber of 4 mm per meter or as directed by the Authorized Representative/Representatives of the Society.

xviii). All angles and corners shall be sharp and well defined. In places where concrete edges are permanently exposed and require no further treatment, they shall be chamfered in a triangle of 25x25mm.

xix). Props of steel or timber (if approved in writing) shall be provided with adequate horizontal and cross - bracing. Steel props shall use steel pipes and steel couplers. If use of timber is permitted, planks of 100 x 25 mm shall be used and shall be secured by nailing them to timber props. No other material shall be permitted.

xx). At the design and erection stage, the following additional points shall be considered and incorporated into the shutters.

a. Openings for cleaning prior to start of concreting.

b. Pouring points shall avoid high drops and provide easy access to vibrator needles.

xxi). Surfaces shall be treated with mould releasing oil or emulsion as approved by the Authorized Representative/Representatives of the Society prior to reinforcement lying.

xxii). The following point shall be observed very carefully:

a. Joints of moulds shall be water-tight. It is easy to check from bottom and make sure that no light is visible.

b. Props shall be on solid base, plumbed, in one straight line, and braced horizontally and cross.

c. Tie bars in beams, walls and columns shall be at the correct place and fully tight.

d. Wedges shall be fully secured and nailed with head left out for easy removal.

e. All saw dust, dirt, shaving and any other unwanted materials shall be cleaned and hosed out.

f. Provision shall be made for watching form work while concreting and any other platform needed for movement of workers without any disturbance to reinforcement.

xxiii). Opening/inserts All required openings and pockets shall be provided as detailed in the drawing. The contractor shall provide for the required material, labour for fixing and supporting during concreting, in his quoted price. It is imperative that all openings and pockets shall be de shuttered with care and all corners of openings shall be preserved. All openings/pockets shall be in a correct line and level. After concreting, the openings shall be secured by proper covering against any accident and guard rail and warning notice, if any will be incorporated.

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xxiv). In case of multistory building, any upper floor shall be suitably supported on at least one floor below the same or as approved by the Engineer-in-Charge. The concreting of upper floor shall be done only after lower floors have attained the strength.

xxv). In case of shear walls, lift walls, internal walls, the form work shall be done by removable type tie rods within PVC sleeves.

Checking prior to concreting.

All props and struts are plumbed at right spacing properly tightened up and locked. Formwork is correctly aligned and leveled. Stop ends are properly secured and sealed. All ties are properly tightened. All inserts, pockets etc are at desired level and secured. Joints are sealed and no possibility of leakage of grouts. Reinforcement has proper covers and required spacers. All forms are cleaned, free from rubbish, tie wires etc. Proper access for concreting and compaction available. Required guard rails, toe boards are provided.

All the above mentioned are applicable for depending upon the type & element of structure or as instructed by the Authorized Representative/Representatives of the Society.

PROCEDURE OF REPAIR JOS AS SPECIFIED IN SCHEDULED ITEMS IN THE TENDER

For damaged concrete/plaster...as per SI No.2 of Part-A (NON DSR) Item: The following steps are to be maintained carefully.

- 1) Dismantle the chunk of concrete along with plaster even found some other adjoining area are already loose or yet to be from the surface of the R.C.C. structure.
- 2) De rusting the exposed reinforcement.
- 3) Applying anti corrosive paint to the reinforcement.
- 4) Wrapping those areas by 30 gauges hexagonal net available in the market by nailing/screwing.
- 5) Apply bond coat of approved chemical/powder of reputed manufacturer with thick cement slurry.
- 6) Mix concrete of specified proportion or adding some more cement as per requirement with fine aggregates & coarse aggregates 10 mm & down gauge as per specified proportion with water maintaining proper water cement ratio & if required for quick setting approved admixture can be used as directed by the Authorized Representative/Representatives of the Society.
- 7) Apply the above concrete over the netted surface by hand or wooden mallet by pressing up to certain time as required or in case of requirement ply board support can be given depending upon the thickness of concrete. Please note that surface should not be smooth rather it will be roughening to receive plaster properly over the same.

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8) The above surface needs proper curing.

9) Then apply rich cement sand plaster as specified to match with the existing plaster surface or new plaster surface.

10) The above surface needs proper curing.

For Cement concrete...as per SI No.1 of Part-B (DSR item No.11.3) Item: The following steps are to be maintained carefully.

1) Dismantle the existing damaged surface as required and as per instruction of the Authorized Representative/Representatives of the Society.

2) Provide cement concrete as per specification mentioned in the nomenclature and finally trowel over the same by using cement slurry to match with the existing good surface. **This work has to be carried out considering complete tread of the stair if found damaged partially also.**

For Cement plaster skirting...as per SI No.2 of Part-B (DSR item No.11.6) Item: The following steps are to be maintained carefully.

1) Dismantle the existing damaged surface as required and as per instruction of the Authorized Representative/Representatives of the Society.

2) Re-do the plaster as per specification mentioned in the nomenclature and finally trowel over the same by using cement slurry to match with the existing good surface. **This work has to be carried out considering complete riser of the stair if found damaged partially also. However, for skirting etc. partial repair is allowed or as directed by the** Authorized Representative/Representatives of the Society.

PAINTING

This Specification describes the general requirements of painting on internal and external wall surfaces:

IS 427 Specification for distemper – dry colour, IS 428 Specification for distemper – oil emulsion colour, IS 2395 Code of Practice for painting concrete, masonry and plaster surfaces, IS 2932 Specification for enamel synthetic exterior undercoating and finishing, IS 2933 Specification for enamel exterior undercoating and finishing.

Plastic Emulsion Paint Plastic emulsion paint shall be of approved make, colour and shade to the satisfaction of Society. Plastic emulsion paint shall be diluted by the addition of a quantity of water equivalent to half the volume of the paint to be applied. The paint and water shall be thoroughly mixed and then strained through cloth.

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Priming coats shall be applied to surfaces by brush and allowed to dry properly, holes and depressions being filled with putty prepared with whitening and plastic emulsion paint and rubbed smooth and dry and touched up with plastic emulsion paint. Subsequent coats, diluted by the addition of a **quantity of water equivalent to about 15% to 20% of the volume of paint** to be applied shall be applied to surfaces by brush and allowed to dry thoroughly so that no brush marks shall be seen.

Surfaces shall be cleaned and all cracks, holes and surface defects repaired with wall putty and allowed to set hard. All irregularities shall be removed by sand papering smooth and wiped clean and surfaces so prepared shall be completely dry and free from dust before painting is commenced.

In the case of newly plastered surfaces special care shall be taken to ensure that they are completely dry before any application is attempted. Existing, previously distempered or painted surfaces shall be cleaned of grease, dirt, dust and other deleterious matter and cracks, holes and surface defects repaired with **wall putty**, allowed to set hard, sand papered smooth and wiped clean. Flaking from previous coatings, if any, shall be thoroughly removed.

However, for the above work Contractor has to follow the detail nomenclature of the respective item as per SI No. 6 (DSR-13.83.2) & SI No. 7 (DSR-13.85.3) of Part-B so far specified as premium acrylic emulsion paint of interior grade and water thinnable cement primer respectively as per approved manufacturer specification & up to satisfaction of the Society.

Waterproof Cement Paint Waterproof cement paint shall be of approved makes, colour and shade by **Society**, brought to Site in original airtight containers with seals intact. Dry cement paint shall be thoroughly mixed with clean fresh water to produce paint of the required consistency to **Society** and strained through a paint strainer. Paint shall be constantly stirred during application and applied within the specified or recommended time, hardened or damaged paint not being allowed to be used. Paint shall be applied by brush, each coat being properly cured and inspected and approved by **Society** before the application of each subsequent coat. Absorbent surfaces shall be thoroughly wetted so as to provide even absorption. In dry weather freshly painted surfaces shall be kept damp for at least two days and protected from direct sunlight. Surfaces shall be free from dirt, dust, grease and other deleterious matter and thoroughly cleaned by brushing and washing down with clean water. Existing lime wash and/or water bound distemper shall be thoroughly removed by washing, brushing and if necessary, accumulated coats of oil paint removed by brushing and/or scraping and washing to obtain clean and even surfaces. Roughcast and pebbledash surfaces shall be thoroughly brushed and washed to remove dust, dirt, grease and other deleterious matter. Over the new plastered surface priming cost is necessary and as directed.

However, for the above work Contractor has to follow the detail nomenclature of the respective item as per SI No. 8 (DSR-13.45.1) of Part-A so far specified as of exterior grade with consumption parameter including over exterior primer as per approved manufacturer specification & up to satisfaction of the Society.

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Synthetic Enamel Painting

Enamel paint shall conform to the relevant Standards and be of the specified make, colours and shades as approved by Society. Materials shall be obtained directly from approved manufacturers and brought to Site in manufacturers' sealed drums and tins for inspection by Authorized Representative/Representatives of the Society. Paint for undercoats and finishing coats shall be ready mixed. Mixing by the Contractor shall not be allowed except with the prior written permission of Society, in which case preparation of the ingredients and the control of quality shall be in strict conformity with the manufacturers' recommendations and the relevant Standards and Codes of Practice. Materials shall be properly stored and protected when not in use with the lids of containers kept tightly closed. Paint in open containers during painting operations shall be covered with a thin layer of turpentine to prevent the formation of skin on the surface. If required, paint supplied by the Contractor shall be quality tested in an approved laboratory as described in IS 101. Rejected paint shall be removed immediately from Site.

Unless otherwise specified, paint shall be applied by brush. Brushes of appropriate size shall be either round or oval shaped and shall be maintained carefully throughout the work so as to be pliable and free from loose bristles. All brushes, rollers, implements and the like used for painting shall be cleaned of all foreign matter prior to beginning different operations. Contents of drums and tins shall be well stirred before use and constantly during operations with a small, clean and smooth stick to prevent sedimentation at the bottom of containers. Painting shall be carried out, as far as possible, in dry, warm weather. Primer coats shall be applied as soon as surfaces have been cleaned and before the deterioration of surfaces by rust and/or contamination by dust, dirt or any other deleterious material. Sufficient time shall be allowed for one coat of paint to dry before the next is applied. Painted surfaces shall be protected from sun, rain, condensation, contamination or other surface damage until they are completely dry, "Wet Paint" boards being placed where necessary.

Surface preparation, the application of priming coats, undercoats and finishing coats shall be carried out as specified below or as recommended by the manufacturer. New plaster shall be carefully rubbed smooth and thoroughly cleaned with fresh water to leave dry and smooth surfaces free from dirt. Surfaces shall not be primed or painted until they are completely dry and hard and have been approved by Society.

Steel surfaces shall be degreased using proprietary brand solvent cleaners approved by Society or mineral turpentine or petroleum and other petroleum solvents, such as trichloroethylene or other equal and approved alkali solutions or detergents.

De-rusting of steel surfaces shall be done by manual scraping using wire brushes, fine steel-wool, sand paper and the like, mechanically by sand blasting, shot blasting or by flame cleaning or chemical cleaning by methods approved by Authorized Representative/Representatives of the Society.

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Enamel paint shall not be applied to woodwork that is not well seasoned. Surfaces of woodwork to be painted shall be thoroughly dry, clean and smooth and prepared by using coarse and medium grade sandpaper with finished surfaces free from scratches. Before applying primers to surfaces of woodwork knotting shall be done with two coats of varnish made by dissolving Shellac in methylated spirits of wine or as directed.

On plastered surfaces, priming coats shall consist of equal parts of white and red lead mixed in boiled linseed oil to the required consistency applied uniformly over surfaces to be painted. When dry, all cracks, holes and other such defects shall be filled with a mixture of one part of white lead and 3 parts of ordinary putty. Surfaces shall then be rubbed with sandpaper and dusted clean and an undercoat thinly applied so that plastered surfaces are saturated.

On Steel surfaces, priming coats shall consist of red lead conforming to IS 102 applied uniformly over surfaces to be painted. On old or previously painted surfaces and new surfaces already primed with red lead, surfaces shall be thoroughly cleaned and primed with red lead on exposed surfaces as necessary or over whole surfaces as directed by the Authorized Representative/Representatives of the Society.

On Woodwork surfaces, priming coats shall consist of red lead, white lead, raw and boiled linseed oil and patent dryers applied uniformly over surfaces to be painted. When dry, small holes, cracks, open joints and other minor defects shall be stopped with putty made from whitening mixed to proper consistency with raw linseed oil and white lead to facilitate hardening of putty. Surfaces shall then be lightly rubbed down smooth with sandpaper and dusted clean.

Unless otherwise specified, finishing of all surfaces shall consist of two coats of synthetic enamel paint of approved make, colour and shade. The second coat of paint shall give a flat, semi-glossy or glossy finish as specified or as directed by Society and shall present on even appearance and show no brush marks. **Stipple finishes**, if directed by Society, shall be provided at no extra cost.

However, for the above work Contractor has to follow the detail nomenclature of the respective item as per SI No. 9 (DSR-13.62.1) of Part-A so far specified as synthetic enamel painting including primer else otherwise mentioned and the rate is inclusive of cost of primer and it's applications on the surfaces of different materials and as per approved manufacturer specification & up to satisfaction of the Society.

Unless otherwise above mentioned all of the items detail technical specification, if Society wants or Cropped up as per site condition or even claim by Contractor under the ifs and buts situation or any extra item, both the party has to follow either BIS or otherwise following by which entire schedule of items prepared in this tender.

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

PART-II of BID – III**EARNEST MONEY DEPOSIT & TENDER FEES**

NAME OF WORK: TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING.

BID-III (CONSIST OF PART- I, PART-II & PART-III) – CONDITIONS OF CONTRACT AND TECHNICAL SPECIFICATIONS (THIS DOCUMENT IS TO BE STAMPED & SIGNED OF EACH PAGES BY LOWEST TENDERER ONLY AS & WHEN ASK FOR).

The Earnest Money Deposit and Tender Document Fees are to be physically submitted if the Tenderers are to avail the option of Demand Draft/Pay Order/Banker's Cheque/Bank Guarantee/NEFT UTR. No. at the following address by 15.30hrs of 19.03.2025:

The Secretary,

Tilottama Anupama Co-operative Housing Society Ltd. (E-Type), 45E/2, Anupama Housing Complex, V.I.P. Road, Kolkata-700052

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

LETTER TO CONTRACTOR FROM THE SECRETARY OF THE SOCIETY.

To,

Dear Sir / Sirs,

RE: TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING.

1) We hereby publish the TENDER in the news papers..... dated.....hereinafter referred as "Tendering" and consisting of following :

- (a) BID I : Earnest Money Deposit and Tender Fees.
- (b) BID II : Pre-Qualification of Bidders
- (c) BID III : This bid shall be three Parts i.e. PART-I, PART-II & PART-III (Financial Bid)

Please note that two copies of the above Tender documents shall have to be collected from the Office of the Society as per the Key dates mentioned in BID-I or soft copy of the same in pdf format may be sent to him/them upon receiving the specific request letter via email with necessary payment receipt by which mode he/they have submitted the requisite Tender fee as stated in BID-I. However, those who suppose to receive the tender documents in their email may be requested to download the same in two copies where he/they have to mark Original & Duplicate in each pages of the tender documents and accordingly he/they may be allowed to submit the Original in the drop box in the Society's Office maintaining endorsement of date & time as per Key dates given in BID-I. If even after submission of tender if it is found that any page/pages are missing Society having the right to reject that/those tenders.

1) The bidders should submit required Tender document Fee and Earnest Money Deposit in a Manner/mode as mentioned in Tender process of BID-I. Tender document fee of **non refundable amount** of Rs 2,000/- (Rupees two thousand only) and Rs 2,00,000/- (Rupees Two lakhs only) in the form of Demand Draft/Pay Order/Banker's Cheque/RTGS/NEFT in favour of "Tilottama Anupama Co-operative Housing Society Ltd. (E-Type)" payable at "Kolkata". shall be submitted separately.

a) Tender Fee of Rs 2,000/- (Rupees two thousand only) (**non-refundable**) in the form of Cash/Demand Draft/Pay order/ Banker's Cheque/RTGS/NEFT/ Money receipt in above mentioned office in favour of "Tilottama Anupama Co-operative Housing Society Ltd. (E-Type)" payable at "Kolkata".

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

b) Earnest Money Deposit shall be submitted in the following form:-

Earnest Money Deposit of Rs 2,00,000/- (Rupees Two lakhs only) in the form of Demand Draft/Pay Order/Banker's Cheque/RTGS/NEFT in favour of "Tilottama Anupama Co-operative Housing Society Ltd. (E-Type)" payable at "Kolkata".

OR

50% amount i.e. Rs1,00,000/- (Rupees One lakhs only) in the form of Bank Guarantee (as per enclosed proforma) of any Nationalized/Scheduled Bank & another 50% i.e. Rs.1,00,000/- (Rupees One lakhs only) in the form of Demand Draft/Pay Order/Banker's Cheque/RTGS/NEFT drawn in favour of "Tilottama Anupama Co-operative Housing Society Ltd. (E-Type)" payable at "Kolkata". The Bank guarantee shall be from any Nationalized /Scheduled Bank preferably at Kolkata.

OR

Total amount i.e. Rs.2,00,000/- (Rupees Two lakhs only) in the form of Bank Guarantee (as per enclosed proforma) of any Nationalized/Scheduled Bank preferably at Kolkata.

OR

Tender Fee of Rs 2,000/- (Rupees two thousand only) (non-refundable) and Earnest Money Deposit of Rs 2,00,000/-(Rupees Two lakhs only) payment through NEFT mode directly to the Account of Tilottama Anupama Co-operative Housing Society Ltd. (E-Type).

Name of Bank : STATE BANK OF INDIA
Branch : KOYLAVIHARVIPROAD(CODE:40711)
Account No. : 64083313078
IFSC CODE. : SBIN0040711
Account Type : SAVINGS

If the bidders are willing to avail the option to pay the Earnest Money Deposit & Tender Fees through NEFT/RTGS, then it is mandatory to send the scanned copy of NEFT/RTGS/UTR no to Our office through email (Email Id: tilottamahousing@gmail.com) **before last date of submission of tender (follow the key dates of tendering programme) before opening if BID-I & II otherwise the same bidders to be disqualified.**

BIDs will be received at the office of Society at above address on or before as per the Key Dates and the Tenders will be opened at as per the Key Dates in the presence of bidder/bidders or accredited representatives, who wish to attend the Tender Opening Process. If any of the bidders can't attend the said office during Tender Opening Process he or they may intimate to the Secretary of the Society for the reasons of non attendance via email to the Society well in advance, and the Society may send the details after final selection of the bidders or any quarry related insufficient/ fake/non related documents etc. including any issue related Tender fee/EMD via email to the bidder/bidders at their due time and bidder/bidders should have to take necessary responsibilities to follow the instructions in true spirit.

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

The Tenderer should ensure that their tender is received on or before the due date and time as specified in "Key Dates" in the Tender Document. Society shall not be bound to own any responsibilities related to non-submission of tender/tenders on time & date specified due to any postal delay or any delay related to communications, hence delay in submission of tender/tenders are liable for rejection.

The Guidelines for submission of tender is part of BID -I of the Tender document. The tenderers are advised to carefully read the above document for understanding of Tendering System.

Please note that bidder/bidders should not write his/their name/contact number/Email ID etc on the envelop of the BID-I, BID-II (BID-I envelop should be inside the envelop of BID-II) & BID-III but to mention the name of the work & address of the Society positively with his/their date & time of submission which will be countersigned by the authorized representative of the Society and then tender are allowed to submit in the designated drop box which will be under lock & key even under the custody of the Secretary.

The Tilottama Anupama Co-operative Housing Society Ltd. (E-Type) does not bind itself to accept the lowest or any tender at his sole discretion.

Yours faithfully,

SECRETARY

CONTRACTOR

SECRETARY

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

LETTER FROM CONTRACTOR TO CHIEF ENGINEER

**TO BE SUBMITTED TO THE EMAIL ID OF THE SOCIETY tilottamahousing@gmail.com ON OR BEFORE ON
As per the Key Dates.**

Date:

From:

.....
.....
.....
.....

The Secretary,
Tilottama Anupama Co-operative Housing Society Ltd. (E-Type),
45E/2, Anupama Housing Complex,
V.I.P. Road,
Kolkata-700052

Re: TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING.

Dear Sir,

1) Having examined the Technical Specifications & Conditions of Contract , Schedule of Quantities, etc. included in the tender document for the Percentage Rate Contract relating to the above work, having visited/examined the site of the existing premises, having acquired the requisite information relating thereto as effecting the tender invited by you on behalf of the The Tilottama Anupama Co-operative Housing Society Ltd. (E-Type), I/We, the undersigned hereby offer to carry out the above mentioned work on Percentage Rate basis in strict accordance with the Contract Conditions and Specifications.

I/We, undertake to complete and deliver the whole of the works within a period as specified in Appendix to the Conditions of Contract from the date of issue of intimation from you that the tender has been accepted and upon receiving possession of the site. I/We shall be under the obligation to complete the entire work within the period of completion failing which to pay the sum as stated in the Appendix to the Conditions of Contract for every week that the works shall remain incomplete, damages as compensation subject to the conditions of contract relating to extension of time.

CONTRACTOR

SECRETARY

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

2) I/We enclose herewith my/our tender with an Earnest money remittance of Rs 2,00,000/- (Rupees two lac only) in the appropriate format as specified in BID-I. I/We, hereby agree that part of this sum shall be forfeited by The Tilottama Anupama Co-operative Housing Society Ltd. (E-Type) in the event of my/our tender being accepted and I/We fail to execute Contract when called upon to do so.

3) In the event of the tender being accepted, I/We, agree to the retention of my/our EMD as a part of Security Deposit and the balance amount of Security Deposit to be recovered at 7.5% of Gross Value of work done from my / our Running Account Bills.

OR

I/We, agree to furnish a lump sum Bank Guarantee for total Security Deposit @ 5% of accepted tender amount or two Bank Guarantees each with 50% value from any Nationalized/Scheduled Bank at as per specimen given in Annexure "B" to Conditions of Contract, within 21 (twenty-one) days of acceptance of tender. The Bank guarantee shall be from any Nationalized /Scheduled Bank preferably at Kolkata.

4) I/We, note that the Earnest Money Deposit of Rs 2,00,000/- (Rupees two lac only) would be refunded to me/us.

a) On expiry of the validity of the tender or earlier at the discretion of Secretary of the Society in case my/our tender is not accepted and

b) In case my/our tender is accepted, after I/We, furnish as mentioned above.

5) I/We, agree,

a) I/We, agree, for forfeiture clause of earnest money as given in Technical bid.

b) In case of forfeiture of Earnest money as prescribed above 5(a), the Bidder shall not be allowed to participate in future tendering process of the work.

Yours faithfully,
(SIGNATURE OF THE CONTRACTOR)

Name and Seal

NAME OF THE PARTNER OF THE FIRM
OR

NAME OF THE PERSON HAVING POWER OF
ATTORNEY TO SIGN THE CONTRACT
(CERTIFIED TRUE COPY OF THE POWER
OF ATTORNEY SHOULD BE ATTACHED)

CONTRACTOR

SECRETARY

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1**APPENDIX TO CONDITIONS OF CONTRACT**

SUB: TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING..

ESTIMATED COST :**Rs 100,84,320.00****PERIOD FOR COMPLETION :****175 (One hundred seventy five) days****EARNEST MONEY DEPOSIT :****Rs. 2,00,000.00(Rupees two lac) (To be Submitted in Stipulated form)**

Sr.No	Description	Remarks
1	Minimum requirement of Technical staff Recovery for non-deployment	Non-Deployment of Engineer at site by the contractor shall attract recovery per month per engineer; For Degree Holder : Rs. 40,000.00 For Diploma Holder: Rs. 25,000.
2	Validity of Tender	The tender should remain valid up-to six months from the last date of submission of tender for acceptance.
3	Date of commencement	Either 21 (Twenty one) days from the date of acceptance letter issued to the contractor OR The day on which contractor is instructed to take possession of the site, whichever is earlier
4	Date of completion	175(One hundred seventy five) from the date of commencement
5	Liquidated damages for delay	Compensation in the form of Penalty for delay of work @ 0.5% of contract sum per week of delay subject to maximum 10% contract sum.
6	Period of final measurement	60 (Sixty) days from the date of virtual completion of work.
7	Interim certificate	Rs. 16.80 Lac per month or as per decision of competent authority else otherwise it will be the value of one building for Group-A OR B (Part-I+Part-II)

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

8	Period of honouring interim certificate	28 (Twenty Eight) days from the date of joint measurements & abstract submitted by the contractor.
9	Period of honouring final certificate	90 (Ninety) days from the date of joint measurements & abstract submitted by the contractor
10	Security Deposit	<p>a) @ 5% on Accepted Tender amount. 50% of SD shall be refunded without any interest after the certificate of virtual completion is issued to the contractor.</p> <p>b) S.D for CAMC (Comprehensive Annual Maintenance Contract): @ 5% of total estimated cost of A.C works, Fire Alarm System, shall have to be deposited by construction Associates (Contractor) before releasing balance 50% S.D (For total work) after defect liability period and this S.D amount against CAMC shall be refunded after successful CAMC Period of five years. No interest will be paid on this amount.</p>
11	Recovery of Security Deposit	<p>In case of Cash option, the Security Deposit shall be recovered from R.A. Bills at 7.5% of Gross amount of bill till the sum along with sum already deposited as EMD equals the total security deposit. In Bank Guarantee Option- Please see clause no. 35.1</p>
12	Defect Liability Period	24 months from the date of virtual completion of the work
13	Contractor's All Risk Policy	On full accepted tender amount.
14	Third Party Liability Policy	7.5% of accepted tender amount.

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

15	Workmen's Compensation Policy	This shall be mutually decided by department and contractor depending on labour (skilled / Unskilled) involvement, approved by HOD issuing Acceptance letter irrespective of estimated value of work.	
16	Penalty of not taking timely extension of Expired Policies	The date of submitting the renewed insurance policy, if any will be 15 working days prior to the last date of expiry of the existing policy, falling which LIC may insure/renew insurance and apply penal cost on the contractor i.e. Premium Charges plus Rs. 10000/- as Admin Charges and Rs. 25000/- as Penalty.	
17	No Claim Certificate	To be given on Contractors letter head	
Sr.No	Clause No.	Description	Remarks
1	8 vide page-36 of BID-III-Part-I	Recovery of Water charges from Contractors bill if used from SOCIETY source	0.50% of the Gross value of work done.
2	9 vide page-37 of BID-III-Part-I	Recovery of Electricity charges from Contractors bill if used from SOCIETY source	0.50% of the Gross value of work done.

**NO CLAIM CERTIFICATE CUM RECEIPT
(To be given on Contractor's letterhead)**

"Received Rupees _____ (Rupees _____) being the amount against my/our final bill dated _____ for _____ (Name of Work) in full and final settlement of bill.

Contractor
(Signature of Contractor on Revenue stamp)
Rubber stamp/seal of the contractor /company

CONTRACTOR

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

NOTE:

1. The GST on works contract shall be paid by the Corporation over and above the value of work done, at the applicable rates during the contract period.
2. Labour cess: Rates are inclusive of Labour cess and labour cess will be deducted from contractor's bill.
3. Water charges, Electricity charges, penalty on account of non renewal of Insurance, liquidated Damages if imposed will attract GST at applicable rates during contract period.
4. TDS on GST would be deducted as per prevailing rules.
5. In case of Honoring Interim Certificate Value , i.e, payment to the Contractor exceeds more than one month after submission of bill subject to acceptance by the both party In a same date ,Society has to pay to the Contractor for such delay in settlement of the bill @ simple annual interest considering the delay further month wise.
6. In case of Honoring Final Certificate Value , i.e, payment to the Contractor exceeds more than three months after submission of bill subject to acceptance by the both party In a same date ,Society has to pay to the Contractor for such delay in settlement of the bill @ simple annual interest considering the delay further month wise.

CONTRACTOR

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

APPENDIX TO GENERAL INSTRUCTIONS TO CONTRACTORS

Name and Location of the proposed work:

NAME OF WORK: TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING.

ADDRESS:

TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD. (E-TYPE),

45E/2, ANUPAMA HOUSING COMPLEX, (OFFICE)

V.I.P. ROAD,

KOLKATA-700052

BUILDING NUMBERS:

GROUP-A : 11 NOS OF BUILDINGS EACH COMPRISING OF 16 NOS OF FLATS

BUILDING NOS: UNDER ABOVE

1) 42E, 2) 43E, 3) 44E, 4) 45E, 5) 46E, 6) 47E, 7) 48E, 8) 49E, 9) 50E, 10) 51E, & 11) 52E

BUILDING NUMBERS:

GROUP-B : 03 NOS OF BUILDINGS EACH COMPRISING OF 24 NOS OF FLATS

BUILDING NOS: UNDER ABOVE

1) 39E 2) 40E & 3) 41E

(SIGNATURE OF THE CONTRACTOR)

CONTRACTOR

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

FORFEITURE OF EARNEST MONEY DEPOSIT.

Forfeiture of EMD

A bidder's bid security will be forfeited if the bidder:

- i) Withdraws or amends its/ his tender;
- ii) Impairs or derogates from the tender in any respect within the period of validity of the tender;
- iii) If the successful bidder fails to sign the contract or furnish the required performance security within the specified period.

Punitive Provisions

Without prejudice to and in addition to the rights of the procuring entity to other penal provisions as per the bid documents or contract, if the procuring entity comes to a conclusion that a (prospective) bidder/ contractor directly or through an agent, has violated this code of integrity in competing for the contract or in executing a contract, the procuring entity may take appropriate measures including one or more of the following:

- i) If his bids are under consideration in any procurement:
 - a) Forfeiture or encashment of bid security;
 - b) Calling off of any pre-contract negotiations; and
 - c) Rejection and exclusion of the bidder from the procurement process.
- ii) If a contract has already been awarded:
 - a) Cancellation of the relevant contract and recovery of compensation for loss incurred by the procuring entity;
 - b) Forfeiture or encashment of any other security or bond relating to the procurement;
 - c) Recovery of payments including advance payments, if any, made by the procuring entity long with interest thereon at the prevailing rate.
- iii) Provisions in addition to above:
 - a) Removal from the list of enlisted contractors and banning/debarment of the bidder from participation in future procurements of the procuring entity for a period not less than one year;

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

b) In case of anti-competitive practices, information for further processing may be filed under a Signature of the Joint Secretary level officer, with the Competition Commission of India;

c) Initiation of suitable disciplinary or criminal proceedings against any individual or staff found responsible.

d) Under the said Punitive Provisions, as the Society is not any Government Body hence, bidder/bidders/contractor/contractors may ignore the above then Society has the right to inform other Government departments /Government undertaking Organizations/ PSU etc. from where the bidder/bidders/contractor/contractors enrolled them/themselves or otherwise Society may inform to his/their earlier employer based on which selection was made.

CONTRACTOR

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

SPECIAL CONDITIONS:

1. PHOTOGRAPHS OF THE BUILDINGS:

1.1 The contractor shall submit 3 sets of the prints of the photographs size 4"x6" to the Society at various stages:

a. Before commencement of the work.

b. During progress of work.

c. Completion before handing over the building the photographs can also be submitted in CD/DVD in lieu of printed photographs. One or more photographs shall be taken to have complete clear views of the project as directed by Chairman/Chairperson of the Committee/ Secretary or Authorized representative/representatives of the Society of the Society.

2.1 The quoted Percentage Rate shall include for the same and no extra is payable to contractor on this account.

2.2 Contractors shall note that the site is existing occupied building for residential purpose. Hence, contractor shall take into account this aspect and quote their rates accordingly.

2.3 Contractors are advised to inspect the site before quoting their PERCENTAGE RATE. The contractors shall also note that they have to co-operate with other agencies carrying out the work(s) to others in the same site.

2.4 The contractors shall obtain "Work commencement Certificate" from Municipal authorities/local authorities if required and directed, after approval of work commencement from the Society accordingly marked the building/buildings, inspected by Officials of Municipal authority. The quoted PERCENTAGE RATE shall include for the same and no extra is payable to contractor on this account.

2.5 The contractors shall obtain "Completion Certificate" from Municipal authorities/local authorities, if required, and directed, after completion of the work. The quoted PERCENTAGE RATE shall include for the same and no extra is payable to contractor on this account.

2.6 All statutory fees to be paid to municipal, water and sewerage authorities, water supply connection, sewerage connection and road cutting etc ., will be paid/reimbursed by the Society against production of receipts towards payments of such fees. No overhead charges shall be paid in this regard.

2.7 The contractors shall not stack building materials on footpath and road margin unless otherwise directed.

CONTRACTOR

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

2.8 The contractor shall thoroughly clean all the dust and dirt's, debris etc. and remove all the scaffoldings and other materials used for the works away from the site as and when needed. Disposal of the debris and Surplus Excavated earth (if excavated for set up temporary structure) should be done in such a way that the site is kept free from such unwanted materials. Contractor should also abolish the temporary structure & taken away at his/their own cost after completion of the work.

2.9. The site is located in residential area and therefore Contractor shall take all precautions to cause least inconvenience to the neighbors /surroundings during the work.

2.10. There may be some traffic restrictions with regard to heavy vehicles since the site is located abutting to V.I.P Road. Contractor shall take note of the same and obtain necessary permission from appropriate authorities for transportation of materials required for the construction. In case work is required to be done during the night time, permission from the Society as well as local/police authorities shall be taken.

2.11 Noise pollution should be kept at minimum tolerance level.

2.12 Contractors to note that if hutments for labour provided at site all the necessary facilities to be shall be done as per statutory labour laws.

3. OTHER SPECIAL CONDITIIONS:

3.1 Labourers may allow at site only after showing photo I Card issued by the agencies and duplicate of which is to be submitted to our office.

3.2 Gate pass for daily labour may be issued by office of the Society.

3.3 Every effort should be made to restrict the movement beyond working area.

3.4 Materials can be taken away only after getting gate pass from Society.

3.5 Well co-ordination should be maintained with all agencies and designated coordinator from Society side to avoid any kind of disturbances in office working.

3.6 Every day, the common area / working area should be cleaned in all respect if this area is used anyway for the work.

3.7 Society is no way responsible for issuing way bill or C – form to any agencies.

3.8 During the execution of the work, the cleaning of pavements to be done on day to day basis.

CONTRACTOR

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

3.9 The contractor has to depute sufficient number of supervisory staff for making all arrangements and to ensure no disturbance to occupants.

3.10 It is responsibility of the contractor to adhere to all security measures for the workers.

3.11 The Contractors has to ensure protection to building and other assets etc. in the campus. In case of any damages caused due to work or due to ignorance of ant worker, contractor has to make good the damages and / or compensate the Society for the damages done.

3.12 Contractor is advised to inspect the site before submitting the tender and examine all parts of the work.

3.12 Work should be done in such a manner that there should not be disturbance inside the premises by which dwellers may feel uncomfortable however during dismantling work of external plaster noise will occur for which dwellers are aware to some extent.

4.. Contractor to note that all salvage material is to be removed after proper documentation which is jointly signed by office of the Society.

5. Contractor is liable to shift unwanted material from their working area at their own cost for creation of working space. And if those found usable that too be taken care by re shifting etc. everything under the direction of the Society.

6. Contractors to note that the quoted rates shall be firm throughout the currency of the Contract. The escalation towards materials, labour etc. is not allowed and will not be paid.

7. TESTING OF MATERIALS:

During & after procurement of any material and after concreting if those found faulty either apparently or through the certificate of the manufacturer/supplier etc. Society may have the liberty to get those tested from any Govt. or Govt. authorized laboratory. If the test results found satisfactory as per relevant IS Code then the Society is liable for necessary reimbursement of the cost of testing otherwise Contractor will be liable for faulty material and should take immediate action for removal of those from site at his own cost and further to provide up to the satisfaction of the Society.

8. APPLICABILITY OF MSME PROVISION ON WORKS CONTRACT:

Works contract does not falls within the ambit of Public Procurement Policy-2012 and MSME Act. Hence benefits under Public Procurement Policy for MSMEs shall not be extended against tender for "WORKS CONTRACTS".

CONTRACTOR

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

GENERAL PREAMBLES TO SCHEDULE OF QUANTITIES

These preambles apply to all the sections of the "Schedule of Quantities".

1. RATE TO COVER:

1.1 The rates quoted by the Contractor shall be held to include for providing and fixing, all conveyance and delivery, loading & unloading, carrying in, storing, hoisting, all labour, setting, fitting and fixing in position, making straight, cutting, waste, return of packing and all materials and labour and everything else necessary for the proper completion of each item of work to the approval of Chairman/Chairperson of the Committee/ Secretary or Authorized representative/representatives of the Society and for Establishment Charges, overheads and profits. The Contractor shall provide at his expense all labour, materials and things required by the Chairman/Chairperson of the Committee/ Secretary or Authorized representative/representatives of the Society for testing and measuring the work, for weighing, testing the efficiency of any portion of the work, all planking, gangways etc. necessary for affording access to every part of the work except where specifically stated otherwise.

1.2 The Contractor should also cover in his rates for the method of work, cost of materials, labour etc., to comply with the "Trade Specifications", General Instructions to Contractor", "Conditions of Contract", "Special Conditions", (if any), and all documents of this contract.

1.3 All the materials or procedures or specifications for work, unless otherwise stated, shall conform to the current Indian Standard whether or not specific mention is made thereof. The Contractor shall be responsible for and shall replace or make good at his own expense, any materials lost or damaged, or of quality not approved, temporarily disturbed roads, pavements, approaches, gates, walls or any such dismantling carried out to execute the work.

1.4 All rates quoted shall include for Supplying and fixing although the same may not have been mentioned in the item of the Schedule of Quantities. Words "Providing and Fixing where used shall have same meaning as "Supplying and Fixing".

1.5 Rates quoted shall include for hoisting to any height and the work at all levels and lifting of Materials and working at any height shall not form any criterion for any extra claims, except where otherwise specified in Schedule of quantities.

2. ANCILLARY WORKS:

2.1 The Contractor shall have to carry out all ancillary and connected work within and near vicinity of the plot of the proposed work and inside the Building if ordered to do so by the Chairman/Chairperson of the Committee/ Secretary of the Society at the rates quoted in the Schedule of Quantities, at any time during the currency of this Contract including extension of time, if any granted.

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

3. PRICE FLUCTUATION / VARIATION:

3.1 Rates quoted by the Contractor shall be firm throughout the currency of the Contract including extensions of time, if any granted. No price adjustment due to variation in cost of materials or labour or any variation under any State or Central Legislation or any other reason whatsoever shall be allowed.

4. "PRINCIPAL MAKE/S OR OTHER EQUAL AND APPROVED" FOR MATERIALS / PRODUCTS:

4.1 The Contractor shall note that materials having "ISI" monogram shall primarily be used in the work. If in the tender "Certain Principal Make / Makes or other equal and approved of any material / Product is mentioned in any item or Trade Preambles relating to the particular items in its respective Trade Schedule, the Contractor shall have to use the Principal Make/Makes specified in the relevant item or the trade Preambles. In case the specified particular Principal make / makes of the materials product is/are not readily available, the Contractor shall take prior permission and approval of the Chairman/Chairperson of the Committee/ Secretary of the Society in writing before use of the alternative equivalent make of the Material / Product.

4.2 All principal makes specified for any item shall be treated at par as per the accepted quoted rate.

4.3 Use of the make other than the Principal Make/Makes (which shall be treated as an Equivalent make) shall be at the discretion of the Chairman/Chairperson of the Committee/ Secretary of the Society and such Make/Makes shall be used after the approval of the Chairman/Chairperson of the Committee/ Secretary of the Society.

4.4 In such cases the Contractor will not be paid any extra payment over the accepted quoted rate in any case. However if it is ascertained that the price of approved Equivalent Make or the Material/product is lower than that for the Principal Make/Makes of the same material / product the difference of the price shall be payable by the contractor to Society. Such difference of price shall be suitably decided by the Chairman/Chairperson of the Committee/ Secretary of the Society whose decision shall be final and binding to the Contractor in this regard.

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

ANNEXURE "M"

MEASUREMENTS: - The measurement shall be recorded by Construction Associates (i.e. Contractor) as per prescribed format attached (Annexure A1 & A2, Annexure-B, and Annexure-C) as enclosed herewith for your ready reference and according to the relevant clauses of the contract.

1) ANNEXURE-A1: Page-20

2) ANNEXURE-A2: Page-21

3) ANNEXURE-B: Page-22

4) ANNEXURE-C: Page-23

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E-MEASUREMENT SHEET (Reinforcement)
R.A. BILL..... / FINAL BILL

Annexure-A2

- i) Name of the work
- ii) Agreement No & date / Contract Ref:
- iii) Name of the Construction Associate & address
- iv) Name, Designation of LIC measurer with S.R. No
- v) Period of measurement
- vi) Name of the Construction Associate's authorised Engineer/s attending measurement.
- Authorization letter ref:

Location Description and size of RCC Member	1	2	3	4	5	6	7	8	Remarks										
									9	10	11	12	13	14	15				
		Number of RCC members	Sketch of reinforcement bar and position in RCC member if possible to draw.	Reinforcement bar as marked on the drawing / Position of bar	Number of bars	Leangth of bars	Total length of bars , col (2)x(5)x(6)												



Tender No. : TAC/TYPE-E/FLATS/2024-25/1**LIST OF PRINCIPAL MAKES /AGENCIES/BRANDS OF VARIOUS MATERILAS.**

Sr.No	Description of materials	Makes /Agencies / Brands
1	Cement	Ultratech/ACC/
2	Reinforcement Steel (TMT-Fe 500)	SAIL/TATA/RINL/SRMB
3	Plasticizer, Super Plasticizer, Admixtures, Other construction Chemicals including bond coat	CICO/ Fosroc/Sika/Pidilite
4	Waterproofing Compound	Fosroc/Sika/Pidilite/Choksey/Roff
5	Silicon based water repellent / Weather Sealant	STP/Pidilite/Wacker/Dow Corning
6	Wall Putty	Birla Wall Care/JK White/Berger/Asian Paints
7	Curing Compound	Fosroc/STP/Sika/Pidilite/Cico
8	Oil Bound Washable Distemper	Asian Paints/Nerolac/Berger/Jenson & Nicholson
9	Acrylic Distemper	Berger/Asian/Dulux
10	Premium Acrylic Emulsion paints	Dulux/Berger/Nerolac/Asian Paints/Jenson & Nicholson
11	Cement Primer	BP White (Berger)/ Nerolac/Decoprime WT Asian/Akzonobel (Dulux)
12	Steel / Wood Primer	Akzonobel (Dulux)/ Berger/Nerolac/Jenson & Nicholson/Asian Paints
13	Exterior Paint	Akzonobel (Dulux)/ Asian (Apex Ultima)/ Berger
14	Synthetic Enamel Paint	Akzonobel (Dulux)/ Berger/Asian (Apolite)/ Jenson & Nicholson
15	Floor Hardener	Ironite/Fosroc/Sika

CONTRACTOR

SECRETARY

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

COEFFICIENT OF CEMENT CONSUMPTION			
Code	Description	Unit	Quantity of cement
			No. per unit
			quantity of work
			(Quintals)
3	MORTAR		
3.1	Cement mortar 1:4 (1 cement : 4 fine sand)	cum	3.8
3.2	Cement mortar 1:6 (1 cement : 6 fine sand)	cum	2.5
3.3	Cement mortar 1:3 (1 cement : 3 coarse sand)	cum	5.1
3.4	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	3.8
3.5	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	2.5
4	CONCRETE WORK		
4.1.1	1:1½:3 (1 Cement : 1½ coarse sand : 3 stone agg. 20mm)	cum	4
4.1.2	1:2:4 (1 Cement : 2 coarse sand : 4 stone agg. 20mm)	cum	3.2
4.1.3	1:2:4 (1 Cement : 2 coarse sand : 4 stone agg. 40mm)	cum	3.2
4.2	P/L cement concrete – all works up to plinth level :		
4.2.1	1:1½:3 (1 cement:1½ coarse sand derived from natural sources :3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	4
4.2.2	1:2:4 (1 Cement : 2 coarse sand derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	3.2
6.45.1	Cement mortar 1 : 3 (1 cement : 3 coarse sand)	100 Sqm	14.28
6.45.2	Cement mortar 1 : 4 (1 cement : 4 coarse sand)	100 Sqm	10.64

CONTRACTOR

SECRETARY

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Tender No. : TAC/TYPE-E/FLATS/2024-25/1

BANK ACCOUNT AND OTHER DETAILS:

Sr.No.	Description	Details
	Name of the Company/Firm/Entrepreneur Institute, etc	
	Address	
	Phone Number	Mobile :
		Land Line :
	E-Mail ID	
	Bank Account Details:	
	Name of the Bank	
	Address of the Bank Branch	
	Account No	
	Type of Account	
	IFSC/RTGS Code	
	(Enclose Xerox copy of the Cheque leaf)	
	PAN No *	
	TIN Registration No. *	
	GST IN Registration No. *	

I declare that, the above furnished information is correct. During the contract period, if any changes took place in the above said information, the same will be informed with the valid reasons.

Signature of the Contractor

CONTRACTOR

SECRETARY

Tender No. : TAC/TYPE-E/FLATS/2024-25/1

BID – III-PART-III

NAME OF WORK: TENDER FOR PROPOSED WORKS OF EXTERNAL (PART-A) & INTERNAL STAIR (PART-B), REPAIRING & PAINTING WORKS AT TILOTTAMA ANUPAMA CO-OPERATIVE HOUSING SOCIETY LTD.(E-TYPE) FOR ELEVEN NUMBERS OF BUILDING (G+ THREE), COMPRISING OF 16 NOS OF E-TYPE FLATS IN EACH BUILDING & THREE NOS OF BUILDING (G+THREE), COMPRISING OF 24 NOS OF E-TYPE FLATS IN EACH BUILDING.

SCHEDULE OF QUANTITIES -TILOTTAMA ANUPAMA HOUSING SOCIETY LTD.(E-TYPE)

COMPRISING OF 16 NOS FLATS IN EACH BUILDING-GROUP-A

Sl No.	DSR Item No	Nomenclature	Unit	Quantity	Rate	Amount (Rs.)
		EXTERNAL WORK				
1	2.35.2	Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.:	metre			
	2.35.2.1	2.35.2.1 With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	metre	680.57	44.08	29999.53
2	NON DSR	Dismantling the damaged concrete/plaster in slab/beam/column /chajja/band/ moulding , wrapping/cleaning the affected surfaces(concrete/steel) with emery paper/cloth, applying a coat of cement wash and then cement concrete 1:1.5:3 with 6 mm stone chips and 1:4 cement plaster over to match the existing surfaces (approx 40 mm thick) including providing & fixing chicken wire mesh	sqm	1389.00	587.00	815343.00
3	5.9	Centering and shuttering including strutting, propping etc. and removal of form for	sqm			
	5.9.19	Weather shed, Chajjas, corbels etc., including edges	sqm	40.14	784.28	31481.00
4	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.	Kg			
	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	300.00	88.93	26679.00

Sl No.	DSR Item No	Nomenclature	Unit	Quantity	Rate	Amount (Rs.)
5	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	cum	11.00	9487.50	104362.50
		External plastering work including de-plastering & re-do work including applying bond coat to the brick/concrete surfaces (Cost of bonding coat Chemical & waterproofing compound are included in the rate)				
6	13.6	20 mm cement plaster of mix :	sqm			
	13.6.1	1:4 (1 cement: 4 coarse sand)	sqm	7871.00	401.91	3163433.61
7	5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	metre	973.28	64.65	62922.55
8	13.45.1	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm, including putty where ever required.	sqm	9260.00	184.38	1707358.80
9	13.62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :	sqm			
	13.62.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	978.00	186.57	182465.46

SI No.	DSR Item No	Nomenclature	Unit	Quantity	Rate	Amount (Rs.)
10	9.128	Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings . The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS: 6746, duly reinforced with fibre glass chopped strand mat (CSM) as per IS: 11551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight (Only plan area of chajjas shall be measured for making payment).	sqm	Quote Rate Only	4294.09	0.00
		Cost for External work-Part-X				6124045.45
		INTERNAL WORK INSIDE STAIR CASE				
1	11.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.	sqm			
	11.3.1	40 mm thick with 20 mm nominal size stone aggregate	sqm	43.12	506.47	21838.99
2	11.6	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.	sqm			
	11.6.1	18 mm thick	sqm	10.36	545.93	5655.83
3	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:	sqm			

SI No.	DSR Item No	Nomenclature	Unit	Quantity	Rate	Amount (Rs.)
	13.5.1	1:4 (1 cement: 4 coarse sand)	sqm	387.40	339.53	131533.92
4	13.8	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix :	sqm			
	13.8.2	1:4 (1 cement: 4 fine sand)	sqm	51.81	394.08	20417.28
5	13.16	6 mm cement plaster of mix :	sqm			
	13.16.1	1:3 (1 cement : 3 fine sand)	sqm	84.11	300.45	25270.85
6	13.83	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour including putty where ever required.	sqm			
	13.83.2	Two coats	sqm	3874.00	117.75	456163.50
7		Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
	13.85.3	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	sqm	3874.00	60.98	236236.52
		Cost for Internal work-Part-Y				897116.89
SCHEDULE OF QUANTITIES -TILOTTAMA ANUPAMA HOUSING SOCIETY LTD.(E-TYPE)						
COMPRISING OF 24 NOS FLATS IN EACH BUILDING-GROUP-B						
1	2.35.2	Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.:	metre			
	2.35.2.1	2.35.2.1 With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	metre	309.51	44.08	13643.2

SI No.	DSR Item No	Nomenclature	Unit	Quantity	Rate	Amount (Rs.)
2	NON DSR	Dismantling the damaged concrete/plaster in slab/beam/column/chajja/band/moulding , wrapping/cleaning the affected surfaces(concrete/steel) with emery paper/cloth, applying a coat of cement wash and then cement concrete 1:1.5:3 with 6 mm stone chips and 1:4 cement plaster over to match the existing surfaces (approx 40 mm thick) including providing & fixing chicken wire mesh	sqm	623.25	587.00	365847.75
3	5.9	Centering and shuttering including strutting, propping etc. and removal of form for	sqm			
	5.9.19	Weather shed, Chajjas, corbels etc., including edges	sqm	45.51	784.28	35692.58
4	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.	Kg			
	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	150	88.93	13339.5
5	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	cum	3	9487.50	28462.5
		External plastering work including de-plastering & re-do work including applying bond coat to the brick/concrete surfaces (Cost of bonding coat Chemical & waterproofing compound are included in the rate)				
6	13.6	20 mm cement plaster of mix :	sqm			
	13.6.1	1:4 (1 cement: 4 coarse sand)	sqm	3531.75	401.91	1419445.64

SI No.	DSR Item No	Nomenclature	Unit	Quantity	Rate	Amount (Rs.)
7	5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	metre	431.04	64.65	27866.74
8	13.45.1	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm, including putty where ever required.	sqm	4155	184.38	766098.90
9	13.62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :	sqm			
	13.62.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	440	186.57	82090.8

SI No.	DSR Item No	Nomenclature	Unit	Quantity	Rate	Amount (Rs.)
10	9.128	Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings . The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS: 6746, duly reinforced with fibre glass chopped strand mat (CSM) as per IS: 11551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature,	sqm		4294.09	0.00
		Cost for External work-Part-X				2752487.61
		INTERNAL WORK INSIDE STAIR CASE				
1	11.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.	sqm			
	11.3.1	40 mm thick with 20 mm nominal size stone aggregate	sqm	12.31	506.47	6234.65
2	11.6	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.	sqm			
	11.6.1	18 mm thick	sqm	20.93	545.93	11426.31

SI No.	DSR Item No	Nomenclature	Unit	Quantity	Rate	Amount (Rs.)
3	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:	sqm			
	13.5.1	1:4 (1 cement: 4 coarse sand)	sqm	127.6	339.53	43324.03
4	13.8	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix :	sqm			
	13.8.2	1:4 (1 cement: 4 fine sand)	sqm	26.16	394.08	10309.13
5	13.16	6 mm cement plaster of mix :	sqm			
	13.16.1	1:3 (1 cement : 3 fine sand)	sqm	37.66	300.45	11314.95
6	13.83	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour including putty where ever required.	sqm			
	13.83.2	Two coats	sqm	1276	117.75	150249.00
7		Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
	13.85.3	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	sqm	1276	60.98	77810.48
		Cost for Internal work-Part-Y				310668.55
ABSTRACT OF ABOVE WORK IN DIFFEREND BUILDING GROUP WISE & PART WISE						
SI No.	Building	Heads of Nomenclature	GROUP	PART	Nos of building	Amount (Rs.)

Sl No.	DSR Item No	Nomenclature	Unit	Quantity	Rate	Amount (Rs.)
1	1) 42E, 2) 43E, 3) 44E, 4) 45E, 5) 46E, 6) 47E, 7) 48E, 8) 49E, 9) 50E, 10) 51E, & 11) 52E	11 Nos of building (G + 3) comprising of 16 nos of flats in each building	A	X	11	6124045.45
2	DO	DO	DO	Y	11	897116.89
3	DO	Part (X+Y)=I			11	7021162.34
4	1) 39E 2) 40E & 3) 41E	3 Nos of building (G + 3) comprising of 24 nos of flats in each building	B	X	3	2752487.61
5	DO	DO	DO	Y	3	310668.55
6	DO	Part (X+Y)=II			3	3063156.16
		Total amount of Group A & B-(Z)				10084318.50