

15th Finance 2021-2022 (National Health Sector)
Kanyakumari District
Kallukoottam Town Panchayat
Tender Notice

Form of contract: Item rate (Two cover system)

Bids are invited in package for the **Construction of Health Sub Center at Udayarvilai village Survey No. 794/12 in Kallukoottam Town Panchayat** by Tender Inviting Authority (Executive officer), Kallukoottam Town Panchayat of Tamil Nadu in Two cover system for the “**15th Finance 2021-2022 (National Health Sector)**”.

1. The bid documents will be available from **19.05.2022** The bid document can also be downloaded from the website **www.tenders.tn.gov.in** at free of cost upto **3.00 PM on 07.06.2022**
2. Amount of Earnest Money Deposit will be 1% of the value put to tender for a package.
3. Period of contract is **6** months.
4. Any additional / further details and conditions related to these works can be obtained from the office of the respective Executive Officers of Town Panchayats
5. Important dates

1	Last date and time for downloading bid documents	07.06.2022 AT 3.00 PM
2	Last Date and time for submission of bid document, including online submission	07.06.2022 AT 3.00 PM
3	Date and time of opening of the Technical Bid	07.06.2022 AT 3.30 PM

6. **In the event of the specified date for submission of bids being declared a holiday, bids will be received and opened on the next working day at the same time and venue.**
7. Other details can be seen in the bid documents.



Executive officer,
Kallukoottam Town Panchayat

Tender Document

15th Finance 2021-2022 (National Health Sector)

TECHNICAL BID

Kallukoottami Town Panchayat

NAME OF THE WORK : **Construction of Health Sub Center at Udayarvilai village Survey No. 794/12 in Kallukoottam Town Panchayat**

E.M.D.AMOUNT : Rs. : **30000/-**

PERIOD OF DOWN LOADING OF BID DOCUMENT : **UPTO 3:00 PM, date. 07.06.2022**

LAST DATE AND TIME FOR RECEIPT OF BID : **DATE 07.06.2022_TIME : 3.00 PM**

TIME AND DATE OF OPENING OF BIDS : **DATE 07.06.2022_TIME : 3.30 PM**

PLACE OF OPENING OF BIDS : **Kallukoottam Town Panchayat**

OFFICER INVITING BIDS : **Executive Officer
Kallukoottam Town Panchayat**

CHECK LIST FOR SUBMISSION OF BID

Bidder shall check the submission of relevant details and documents as mandated in the tender document, before submission of bids.

Sl.No.	Compliance criteria as per clause	Details	Check
1	15. 15.1	Earnest Money Deposit Whether Earnest Money Deposit at 1% of the contract value of work put to tender in the form of Banker's cheque, Demand Draft enclosed? (EMD in any other form will not be accepted)	YES / NO
2	4.1.A.1	Whether copy of Certificate of registration as class II contractor and above, with proof for its currency enclosed?	YES / NO
3	4.1.A.2	Whether Proof for being in the Civil Engineering construction field at-least for the past Five year (2016-17 to 2020-21) enclosed?. [Bidder should submit the audited balance sheet for the last five years.]	YES / NO
4	4.1.A.3	Whether Proof for having an annual minimum financial turnover of not less than 50% of the value put to tender in a financial year in the preceding "Three" years ((2018-19 to 2020-21)) enclosed?	YES / NO
5	4.1.A.4	Whether proof for having satisfactorily completed construction of building works (s) of not less than 50% of the value put to tender under a " single agreement " in any one of the preceding three years ((2018-19 to 2020-21) for a Government Department/Board/Government Undertaking enclosed?	YES/NO
6	4.1.A.5	Whether Proof of the applicant for having working capital sufficient to finance at least 15% of value put to tender enclosed? [Working capital will be calculated by adding the amount available in the bank account of the applicant on the date of submission of application and the unutilized amount of overdraft / credit facility extended to the applicant by the Nationalized / Scheduled banks]	YES/NO
7	4.1.B	Whether all the certificates are Notorised?	YES/NO
8	4.1.C & D	Whether the proof/details of availability of Contractor's Major Equipments proposed for carrying out the works enclosed? [If the contractor construction of building works does not own, concrete mixer machine, Vibrating machine, water lorry, Tipper lorry, etc. lease agreement as prescribed in tender document enclosed]	YES/NO
9	General	Whether the latest TIN return enclosed ?	YES / NO
10	Section 2	Whether Annexure A to H have been enclosed duly filled in?	YES / NO

11	General	Whether Power of attorney / Authorization for	
		•Persons signing the Tender enclosed?	YES / NO
		•For Partner – in- charge if any,	YES / NO
12	SECTION 2	Whether Qualification Information are annexed in the prescribed forms A to H ?	
		Annexure A	Yes/No
		Annexure B	Yes/No
		Annexure C	Yes/No
		Annexure D	Yes/No
		Annexure E	Yes/No
		Annexure F	Yes/No
		Annexure G	Yes/No
		Annexure H	Yes/No
13		Whether the bidder has signed in all the pages of the tender document?	Yes /No
14	D. 18.1 and 18.2	Sealing and Marking of Bids in case of manual submission	
		a. Whether the cover containing EMD, VAT clearance certificate, qualification and information etc., has been super scribed as “Technical Bid”?	Yes/No
		b. Whether the other cover containing the duly filled in tender schedule is super scribed as “Price Bid”?	Yes/No
		c. Whether the bids are put in 2 separate covers and outer cover is sealed?	Yes/No
		d. Whether both these covers are put in a single big envelope and bear the following identification:	Yes/No
		Tender for “Construction of Health Sub Center at Udayarvilai village Survey No. 794/12 in Kallukootam Town Panchayat” in Kallukootam Town Panchayat	
Bid Reference No. 1538/ 2021/A1			
DO NOT OPEN BEFORE 3.30 PM on Date.07.06.2022			

Disclaimer: This Check list is only illustrative and not exhaustive. Hence, the bidder is requested to go through the entire Document and submit all relevant documents and details.

INVITATION FOR BID
(IFB)

SECTION -1

INSTRUCTIONS TO BIDDERS (ITB)

SECTION -1

INSTRUCTIONS TO BIDDERS (ITB)

Table of Contents

Clause	A. General	Page No.	Sl. No.	E. Bid Opening and Evaluation	Page No.
1	Scope of Bid	07	22	Bid Opening	12
2	Source of funds	07	23	Examination of Technical Bids and Determination of Responsiveness	13
3	Eligible bidders	07	24	Price Bid Opening	13
4	Qualification of the bidder	07	25	Process to be confidential	13
5	Cost of Bidding	08	26	Clarification of bids	13
6	Site Visit	08	27	Correction of errors	13
			28	Evaluation and comparison of bids	14
			F. Award of Contract		
B. Bid Documents			29	Award Criteria	14
7	Content of Bid Documents	09	30	Employers right to accept any Bid and to Reject any or all Bids	14
8	Clarification on Bid Documents	09	31	Notification of Award and Signing of agreement	14
9	Amendment to Bid Documents	09	32	Corrupt or Fraudulent Practices	15
C. Preparation of Bids			33	Procedure for e submission	15
10	Language of Bid	09			
11	Documents Comprising the Bid	09			
12	Bid Prices	10			
13	Currencies of Bid and Payment	10			
14	Bid Validity	10			
15	Earnest Money Deposit	10			
16	No Alternative Proposals by Bidders	11			
17	Format and Signing of Bid	11			
D. Submission of Bids					
18	Sealing and Marking of Bids	11			
19	Deadline for Submission of Bids	12			
20	Late Bids	12			
21	Withdrawal / Modification of Bids	12			

A. General

1. Scope of Bid

- 1.1** The Executive officer, Kallukoottam Town Panchayat (referred to as Employer in these documents) invites bids for the works (as defined in these documents and referred to as "the works") detailed in the table given in IFB.
- 1.2** The successful bidder will be expected to complete the works by the intended completion date specified in the Clause 13 of Section 2.

2. Source of Funds

Under the **"15th Finance 2021-2022 (National Health Sector)** – Government of Tamil Nadu have allotted funds for **Construction of Health Sub Center at Udayarvilai village Survey No. 794/12 in Kallukoottam Town Panchayat** under **"15th Finance 2021-2022 (National Health Sector)** of Kallukoottam Town Panchayat.

3. Eligible Bidders

- 3.1** All bidders shall furnish their qualification details in Section 3 based on which eligibility will be decided
- 3.2** Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices.
- 3.3** No joint ventured or consortium shall be allowed to bid for the above mentioned package. No Sub Contracting will be permitted.

4. Qualification of the Bidders

- 4.1 A.**
 - 1) The Bidder should be at least a CLASS II contractor, currently registered with any State Government Department/Board/Government Undertaking for the packages having value up to Rs.30.00 Lakhs and atleast a CLASS II contractor for the packages having value of more than Rs.30 Lakhs.
 - 2) The Applicants should have been in the Civil Engineering Construction field at-least for the past Five years. (2016-2017 to 2020-2021). He should submit the audited balance sheet for last five years.
 - 3) Should have an annual minimum financial turnover of not less than 50% of the value put to tender in a financial year in the preceding "Three" years (2018-19, 2019-20, 2020-21)
 - 4) Satisfactorily completed building work(s) of not less than 50% of the value put to tender under a **"single agreement"** in any one of the preceding 'three' years 2016-17, 2017-18, 2018-19) for Government Department/Board/Government Undertaking
 - 5) The applicant should have working capital sufficient to finance at least 15% of value put to tender. [Working capital will be calculated by adding the amount available in the bank account of the applicant on the date of submission of application and the unutilized amount of overdraft / credit facility extended to the applicant by the Nationalized / Scheduled banks] copies.

B) All copies of certificates in support of the above should be attested by Notary Public / Officers not below the rank of Executive Engineer

C) Each bidder should further demonstrate:

The tenderers shall have the following minimum construction equipments Tools and Plants exclusively available for this work. – (Either own or under lease with the applicant)

SI No	Name of the Equipment	Quantity
Construction works		
1	Concrete Mixing Machine	3 No.
2	Vibrating Machine	2 No.
3	Tipper Lorry	2 Nos.
4	Water Lorry	2 No.
Embankment		
1	Lifting machine	1 No.
2	Excavator	1 No.
3	Loader	1 No.
4	Water Lorry	1 No.
5	JCB	1 No.

D) Evidence to be produced:

- i. OWNERSHIP of the machineries or its LEASE from a lawful owner for use at any time during the period of contract. The bidder, who is owner of machineries, shall establish that he is the owner or furnish a proof that he has leased from a lawful owner. Hence, the proof of ownership established by way of production of copy of purchase invoice duly notarized or certificate furnished by Divisional Engineer of Highways Department regarding the ownership or submission of original lease agreement along with copy of invoice duly attested by a notary public will be considered towards proof of ownership of Paver machine or lease from a lawful owner
- ii. The bidder should either furnish proof of ownership of a Concrete Machine or a letter from a Hot mix plant operator for showing a firm tie-up arrangement for the supply Concrete Machine required for the contract.
- iii. Sworn in Affidavit and Chartered Accountant's Certificate stating the details of equipments, tools and plants available with the applicant with make, year of purchase, capacity, present working condition of the equipment etc.,

If the Tools and plants are proposed to be taken on lease or already on lease with the applicant, the source, from which the Tools and plants have been taken on lease or proposed to be taken on lease with proof, should be furnished

4.2 Even though the bidders meet the qualifying criteria, they will be disqualified if they have:

- a) made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- b) record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.;

5 Cost of Bidding

- 5.1** The bidder shall bear all costs associated with the preparation and submission of his Bid, and the Employer will in no case be responsible and liable for those costs.

6 Site visit

- 6.1** The Bidder, at the Bidder's own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for construction of the Works. The cost of visiting the Site shall be at the Bidder's own expense.

B. Bid Documents

7. Content of Bid Documents

- 7.1** The set of bid documents comprises of the documents listed in the table below and addenda issued in accordance with Clause (if any)

Invitation for Bids		
Section	1	Instructions to Bidders
	2	Forms of Bid and Qualification Information
	3	Conditions of Contract
	4	Bill of Quantities

8. Clarification on Bid Documents

- 8.1** A prospective bidder requiring any clarification of the bidding documents may notify Executive Officer in writing or by cable (hereinafter "cable" includes telex and facsimile) at the Employer's address indicated in the invitation to bid. The Executive Officer will respond to any request for clarification which he received earlier than 48 hours prior to the opening of the tender.

9. Amendment to Bid Documents

- 9.1** At any time after the issue of the tender documents and before the opening of the tender, the Tender Inviting Authority may make any changes, modifications or amendments to the tender documents. All such changes will also uploaded in the relevant websites.
- 9.2** Any addendum/ corrigendum thus issued shall be part of the bidding documents and shall be communicated in writing or by cable to all the purchasers of the bidding documents. Prospective bidders shall acknowledge receipt of each addendum by cable to the Employer.
- 9.3** To give prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer shall extend as necessary the deadline for submission of bids, in accordance with Sub-Clause 19.2 below.

C. Preparation of Bids

10. Language of the Bid

- 10.1** All documents relating to the bid shall be in the English language.

11. Documents comprising the Bid

- 11.1** The bid submitted by the bidder shall comprise the following documents:

- (a) The Bid (in the formats indicated in Section 3).
- (b) Earnest Money Deposit (EMD)
- (c) Priced Bill of Quantities;
- (d) Qualification Information Form and Documents;
- (e) Exemption from EMD, if any, claimed by the bidder

and any other materials required to be completed and submitted by bidders in accordance with these instructions. The documents listed under sub-clause, 4 , 6 and 7.1 of section 1 and section 3 shall be filled in without exception.

12. Bid Prices

- 12.1** The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Bidder.
- 12.2** The bidder shall fill in rates and prices and line item total (both in figures and words) for all items of the Works described in the **Bill of Quantities** along with total bid price (both in figures and words). Items for which no rate or price is entered by the bidder will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.

- 12.3** All duties, taxes, and other levies payable by the contractor under the contract, or for any other Act /Rules/Stipulations shall be included in the rates, prices and total Bid Price submitted by the Bidder.
- 12.4** Price Adjustment Clause as per the relevant provisions of G.O. 227 , MAWS, dt.23.11.2009 is applicable for the tenders of value of Rs.1 cr and above, even if the contract period is for less than 1 year. This GO will be applicable for all Contracts of value of Rs. 1 crore and above
- 13. Currencies of Bid and Payment**
- 13.1** The unit rates and the prices shall be quoted by the bidder entirely in Indian Rupees.
- 14. Bid Validity**
- 14.1** Bids shall remain valid for a period not less than **ninety days** after the deadline date for bid submission specified in Clause 19. A bid valid for a shorter period shall be rejected as non-responsive.
- 14.2** In exceptional circumstances, prior to expiry of the original time limit, the Employer may request the bidders to extend the period of validity for a specified additional period. The bidder shall consider the same for a period not exceeding additional **thirty days**.
- 14.3** Bid evaluation will be based on the bid prices without taking into consideration the above correction.
- 15. Earnest Money Deposit**
- 15.1** The Bidder shall furnish, as part of his Bid, Earnest Money Deposit at 1% (rounded off to next ten rupees) of the contract value of work put to tender in the form of Banker's cheque, Demand Draft Drawn in favour of Executive officer, Kallukootam Town Panchayat payable at Kallukootam
EMD remitted in any other form will not be accepted.
- 15.2** Any bid not accompanied by an acceptable EMD and not secured as indicated in Sub-Clauses 15.1 above shall be rejected by the Employer as non-responsive.
- 15.3** The EMD of unsuccessful bidders will be returned within 28 days of the end of the bid validity period specified in Sub-Clause 14.1.
- 15.4** The EMD may be forfeited
- (a) if the Bidder withdraws the Bid after Bid opening during the period of Bid validity;
 - (b) if the Bidder does not accept the correction of the Bid Price, pursuant to Clause 27; or
 - (c) in the case of a successful Bidder, if the Bidder fails within the specified time limit to enter into an agreement

16. No Alternative Proposals by Bidders

- 16.1** Bidders shall submit offers that comply with the requirements of the bidding documents, including the basic technical design as indicated in the drawing and specifications. No alternatives will be considered.

17. Format and Signing of Bid

- 17.1** The Bid shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the Bidder. All pages of the bid where entries or amendments have been made shall be initialed by the person or persons signing the bid.
- 17.2** The Bid shall contain no alterations or additions, except those to comply with instructions issued by the Employer, or as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.
- 17.3** The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.

D. Submission of Bids

18. Sealing and Marking of Bids

- 18.1** The intending bidder should submit tender in two cover system. The cover containing EMD, VAT clearance certificate, qualification and information etc., shall be superscribed as "Technical Bid". Another cover containing the duly filled in tender schedule shall be superscribed as "Price Bid". Both these covers shall be put in a single big envelope and shall be submitted.

The Cover superscribed as "Technical Bid" will be opened first. The Price Bid cover will be opened only if the document required in the Technical Bid cover viz., EMD, VAT clearance certificate, work experience EMD exemption certificate(if applicable), etc., are found in order as per the tender conditions. If Technical Bid is not submitted with these particulars, the Price Bid cover will not be opened and the tender will be rejected and returned to the bidder "unopened".

- 18.2** The **inner and outer** envelopes shall

(a) be addressed to the Employer at the following address:
The Executive officer,
Kallukoottam Town Panchayat

(b) bear the following identification:

- **"Tender for Construction of Health Sub Center at Udayarvilai village Survey No. 794/12 in Kallukoottam Town Panchayat** in Kallukoottam Town Panchayat
- Bid Reference No. 1538/ 2021 / A1
- DO NOT OPEN BEFORE **3.30 PM** on 07.06.2022

- 18.3** In addition to the identification required in Sub-Clause 18.2, the inner envelopes shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared late, pursuant to Clause 20.

- 18.4** If the outer envelope is not sealed and marked as above, the **Tender Inviting Authority** will assume no responsibility for the misplacement or premature opening of the bid.

19. Deadline for Submission of the Bids

- 19.1** Bids must be received by the **Tender Inviting Authority** (Executive officer) at the address specified above not later than **3.00 PM on 07.06.2022**. In the event of the specified date for the submission of bids is declared a holiday, the Bids will be received upto the appointed time on the next working day.

- 19.2** The **Tender Inviting Authority (Executive officer)** may extend the deadline for submission of bids by issuing an amendment in accordance with Clause 9, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will then be subject to the new deadline.
- 20. Late Bids**
- 20.1** Any Bid received by the **Tender Inviting Authority (Executive officer)** after the deadline prescribed in Clause 19 will be returned unopened to the bidder.
- 21. Withdrawal / Modification of Bids**
- 21.1** Bidders may modify or withdraw their bids by giving notice in writing before the deadline prescribed in Clause 19.
- 21.2** Each Bidder's withdrawal notice shall be prepared, sealed, marked, and delivered in accordance with Clause 17 & 18, with the outer and inner envelopes additionally marked "**WITHDRAWAL**".
- 21.3** No bid may be modified after the deadline for submission of bids.
- 21.4** Withdrawal or modification of a Bid between the deadline for submission of bids and the expiration of the original period of bid validity specified in Clause 14.1 above or as extended pursuant to Clause 14.2 may result in the forfeiture of the Bid security pursuant to Clause 15.
- 21.5** Bidders may offer discount to or modify the prices of the bids by submitting the bid modifications in accordance with this clause, or include in the original bid submission.

E. Bid Opening and Evaluation

22. Technical Bid Opening

- 22.1** The **Tender Inviting Authority(Executive officer)** will open all the Technical Bids, Ist cover one subscribed as Technical Bid / received (except those received late), including modifications made pursuant to Clause 21, in the presence of the Bidders or their representatives who choose to attend at **3.30 PM on 07.06.2022** at Town Panchayat office. In the event of the specified date of Bid opening being declared a holiday, the Bids will be opened at the appointed time and location on the next working day.
- 22.2** Envelopes marked "**WITHDRAWAL**" shall be opened and read out first. Bids for which an acceptable notice of withdrawal has been submitted pursuant to Clause 21 shall not be opened.
- 22.3** The Bidders' names, the Bid withdrawals/ Modifications, the presence or absence of Bid security, and such other details as the **Tender Inviting Authority (Executive officer)** may consider appropriate, will be announced by the **Tender Inviting Authority (Executive officer)** at the opening. Bids sent pursuant to Clause 21 that are not opened and read out at bid opening will not be considered for further evaluation regardless of the circumstances. Late and withdrawn bids will be returned un-opened to bidders.
- 22.4** The **Tender Inviting Authority (Executive officer)** shall prepare minutes of the Bid opening, including the information disclosed to those present in accordance with Sub-Clause 22.3.

23. Examination of Technical Bids and Determination of Responsiveness

- 23.1** Prior to the detailed evaluation of Technical Bids, the Tender Scrutiny Committee will determine whether each Bid (a) meets the eligibility criteria defined in Clause 22; (b) has been properly signed; (c) is accompanied by the required securities and; (d) is substantially responsive to the requirements of the Bid documents.
- 23.2** A substantially responsive Bid is one which conforms to all the terms, conditions, and specifications of the Bid documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Bidding documents, the Employer's rights or the Bidder's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.

- 23.3 If a Bid is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

24. Price Bid Opening

- 24.1 The **Tender Inviting Authority (Executive officer)** shall notify **those bidders whose technical bids did not meet the minimum qualification criteria** or were considered non responsive, indicating that **their price bids will be returned un opened** after the award of the contract. The Employer shall simultaneously notify the technically qualified bidders indicating the date time and place set for opening of price bids.
- 24.2 The price bids shall be opened by the **Tender Inviting Authority (Executive officer)** in the presence of bidders representatives who choose to attend. The name of the bidders, quoted bid prices, discounts offered or modification if any shall be read aloud and the **Tender Inviting Authority (Executive officer)** shall prepare minutes of the price bid opening.

25 Process to be Confidential

- 25.1 Information relating to the examination, clarification, evaluation, and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process until the award to the successful Bidder has been announced. Any effort by a Bidder to influence the **Tender Inviting Authority (Executive officer)** processing of Bids or award decisions may result in the rejection of his Bid.

26 Clarification of Bids

- 26.1 To assist in the examination, evaluation, and comparison of Bids, bidder may be asked to clarify Bid, including breakdowns of the unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Bid shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the **Tender Scrutiny Committee** in the evaluation of the Bids in accordance with Clause 27.
- 26.2 Subject to sub-clause 26.1, no Bidder shall contact the **Employer** or his subordinates on any matter relating to its bid from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring out additional information, it should be done in writing.
- 26.3 Any effort by the Bidder to influence the **Tender Inviting Authority (Executive officer)** or any other person involved in the process of the bid evaluation, bid comparison or contract award decisions may result in the rejection of the Bidders' bid.

27. Correction of Errors

- 27.1 Bids determined to be substantially responsive will be checked by the **Tender Inviting Authority (Executive officer)** for any arithmetic errors. Errors will be corrected by the Employer as follows:
- (a) where there is a discrepancy between the rates in figures and in words, **the rate whichever is less** will govern; and
 - (b) where there is a discrepancy between the unit and the line item total, resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.
- 27.2 The amount stated in the Bid will be adjusted by the **Tender Inviting Authority (Executive officer)** in accordance with the above procedure for the correction of errors and, with the concurrence of the Bidder, shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount the Bid will be rejected and the Bid security may be forfeited in accordance with Sub-Clause 15.4 (b).

28. Evaluation and Comparison of Bids

- 28.1 The **Tender Inviting Authority (Executive officer)** will evaluate and compare only the Bids determined to be substantially responsive in accordance with Clause 23.
- 28.2 In evaluating the Bids, the **Tender Scrutiny Committee** will determine for each Bid the evaluated Bid Price by adjusting the Bid Price as follows:
- (a) making any correction for errors pursuant to Clause 27; or
 - (b) making an appropriate adjustments for any other acceptable variations, deviations; and
 - (c) making appropriate adjustments to reflect discounts or other price modifications offered in accordance with Sub Clause 21.5.

- 28.3** The **Tender Inviting Authority (Executive officer)** reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Bidding documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Bid evaluation.
- 28.4.** In respect of the successful tenderer, the EMD remitted along with the tender shall be converted as **Security Deposit**. The successful tenderer will be called upon to pay for an amount equivalent to 2% of the contract value (which includes 1% Earnest Money Deposit already paid) within 15 days from the receipt of Letter of Acceptance.

F. Award of Contract

29. Award Criteria

- 29.1** Subject to Clause 31, the employer will award the Contract to the Bidder whose Bid has been determined to be **substantially responsive to the Bidding documents and who has offered the lowest evaluated Bid Price**, provided that such Bidder has been determined to be (a) eligible in accordance with the provisions of Clause 3, and (b) qualified in accordance with the provisions of Clause 4.
- 29.2** The contractor, shall note that the Joint venture is not permitted under this contract and also Sub contracting is not permitted.

30. Employer's Right to Accept any Bid and to Reject any or all Bids

- 30.1** Notwithstanding Clause 29, the Town Panchayat Executive officer reserves the right to accept or reject any Bid, and to cancel the Bidding process and reject all Bids, at any time prior to the award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Employer's action.
- 30.2** Negotiation of rates will be made only with the lowest Bidder for reducing the quoted rates

31. Notification of Award and Signing of Agreement

- 31.1** The Bidder whose Bid has been accepted will be notified of the award prior to expiry of the Bid validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") will state the sum that will be paid to the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").
- 31.2** The notification of award will constitute the formation of the Contract, subject only to the furnishing of an security deposit in accordance with the provisions of Clause 28.4.
- 31.3** The Agreement will incorporate all terms and conditions to be executed between the employer and successful bidder. It shall be signed within 15 days following the issue of Letter of Acceptance and delivered by successful bidder.
- 31.4** Upon the furnishing by the successful Bidder of the Security Deposit, if any the Executive officer will promptly notify the other Bidders that their Bids have been unsuccessful.

32. Corrupt or Fraudulent Practices

- 32.1** The Employer requires that Bidders observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Employer :
- (a) defines, for the purposes of this provision, the terms set forth below as follows :
- (i) "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution; and
- (ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition or furnishing of false and fabricated documents

- (b) will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question:
 - i. will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Bank-financed contract. Further, Criminal proceedings will also be initiated against the Bidder/ Contractor.

33. Procedure for e submission:

1. Bidder should do the registration in the e – tender site using the option available. Then the Digital signature registration has to be done with the e-token, after logging into the site. The e-token may be obtained from one of the authorized Certifying authorities such as SIFY/TCS/nCode/SCS/SGS etc. The list of address of the DSC vendors can be seen in <https://tntenders.gov.in>
2. Bidder then should login to the site using user id and the corresponding passwords.
3. The e-token that is registered should be used by the bidder and should not be misused by others.
4. After downloading the tender schedules, the Bidder should go through them carefully and then submit the documents as directed, otherwise, the bid will be rejected.
5. If there are any clarifications, this may be obtained online through the e-tender site, or thro' the contact details. Bidder should take into account the corrigendum published before submitting the bids online.
6. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender schedule and they should be in the prescribed format.
7. The bidder should read all the terms & conditions mentioned in the bid document and accept the same to proceed further to submit the bids.
8. The Bidder has to submit the tender document online well in advance before the prescribed time to avoid any delay or problem during the e-submission process.
9. Bidders seeking exemption from payment of EMD, as per existing Government Orders, and choosing e-submission option shall access the relevant option available in the e-submission format and submit scanned copy of related documents without fail.
10. The details of the bid security document should be submitted physically before the opening the tender. The scanned copies furnished at time of e-submission and the original bid security should be the same otherwise the tender will be summarily rejected.
11. The Executive officer, Town Panchayat will not be held responsible for any sort of delay or the technical difficulty faced in the submission of tenders online by the bidders.
12. The bidder may also submit the bid documents by online mode through the site (<https://tntenders.gov.in>)
13. The tendering system will give an ACKNOWLEDGEMENT Message only after successful uploading of all the required bid documents. The ACKNOWLEDGEMENT is the bid summary. With the Bid No., Date & Time of submission of the bid with all other relevant details. The documents submitted by the bidders will be digitally signed with the e-token of the bidder and then submitted.
14. The ACKNOWLEDGEMENT should be printed and to be kept as a token of the submission of the bid. The ACKNOWLEDGMENT will act as a proof of bid submission for a tender floated and will also act as an entry point to participate in the bid opening date.
15. Bidder should log into the site well in advance for bid submission so that he submits the bid in time i.e. on or before the bid submission time. If there is any delay, due to other issues, bidder only is responsible.
16. Each document to be uploaded thro' online for the tenders should be less than 2 MB, If any document is more than 2 MB, it can be reduced through zip format and the same can be uploaded. It may be however noted that. If the file size is less than 1MB the transaction uploading time will be very fast.

17. The time setting fixed in the server side & displayed at the top of the tender site, will be valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system. The bidders should follow this time only, during bid submission.
18. All the data being entered by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered will not be viewable by unauthorized persons during bid submission & not be viewable by anyone until the time of bid opening. Overall, the submitted tender documents become readable only after the tender opening by the authorized individual.
19. The Confidentiality of the bids is maintained since the secured Socket layer 128 bit encryption technology is used. Data storage encryption of sensitive fields is done.
20. The bidders are requested to upload all related documents through e-tendering on line system to the tender inviting authority(Executive officer) **well before 3.00 PM** (as per Server System Clock) on **07.06.2022**.
21. Tenders will be opened by the Tender inviting authority (Executive officer) or his authorized officer(s) at **3.30 P.M. on 07.06.2022** in the presence of tenderers or their authorized representatives if any & members of Tender Scrutiny Committee.

SECTION 2

ADDITIONAL CONDITIONS OF CONTRACT

Table of Contents

Sl. No.	Description	Page No.	Sl. No.	Description	Page No.
	A. General			C. Quality Control	
1	Definitions	19	23	Identifying Defects	23
2	Interpretation	20	24	Tests	24
3	Language and Law	20	25	Correction of Defects	24
4	Engineer's Decisions	20	26	Uncorrected Defects	24
5	Delegation	20		D. Cost Control	
6	Communications	21	27	Bill of quantities	24
7	Other Contractors	21	28	Payments	24
8	Personnel	21	29	Tax	24
9	Employer's and Contractor's Risks	21	30	Currencies	24
10	Employer's Risks	21	31	Retention	25
11	Contractor's Risks	21	32	Liquidated damages	25
12	Contractor to construct the works	21	33	Cost of Repairs	25
13	The works to be completed by the intended completion date	21		E. Finishing the contract	
14	Approval by the Assistant Engineer/Junior Engineer	22	34	Completion	25
15	Safety	22	35	Taking Over	25
16	Discoveries	22	36	Termination	25
17	Access to the site	22	37	Payment upon Termination	26
18	Instructions	22	38	Property	26
	B. Time Control		39	Force Majeure Event	26
19	Program	22	40	Legal Provisions	26
20	Delays ordered by the Employer	23	41	Caution boards	26
21	Management Meetings	23	42	Tender Transparency Act	26
22	Early Warning	23			

SECTION 2

Additional Conditions of Contract

A. General

1. Definitions

1.1

Bill of Quantities means the priced and completed **Bill of Quantities** forming part of the Bid.

The **Completion Date** is the date of completion of the Works as certified by the Engineer in accordance with Sub Clause.34.1 of section 2.

The **Contract** is the contract between the Employer or his representative and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.3 below.

The **Contractor** is a person or corporate body whose Bid to carry out the Works has been accepted by the Employer.

The **Contractor's Bid** is the completed Bidding document submitted by the Contractor to the Employer.

The **Contract Price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

Days are calendar days; **months** are calendar months.

A **Defect** is any part of the Works not completed in accordance with the Contract.

The **Defects Liability Period** is the period of 1 year for Buildings from the completion of whole of the work.

Employer is Executive officer of the Town Panchayat

The Executive officer of the Town Panchayat or in his absence **Assistant Engineer/Junior Engineer** authorized by Employer is responsible for inviting tender, handling process, clarify issued related to tenders, signing of agreement and supervising the execution of the works and administering the Contract.

The **Tender Inviting Authority** is Executive officer of the Town Panchayat.

The **Tender Scrutiny Committee** is the committee of officers which will open, scrutinize and evaluates the bids.

Engineer means the Assistant Engineer/Junior Engineer who is the designated project engineer for the **15th Finance 2021-2022 (National Health Sector)** scheme.

Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.

The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Clause 13 of Section 2. The Intended Completion Date may be revised only by the **Executive officer** by issuing an extension of time.

Materials are all supplies, including consumables, used by the contractor for in Town Panchayat in the Works.

Plant is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.

The **Site** is the area defined as specified in the bid document. The date of handing over of the site is the date on which the work order is issued.

Site Investigation Reports are those which were included in the Bidding documents and are factual interpretative reports about the surface and sub-surface conditions at the site.

Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Engineer.

Temporary Works are works designed, constructed, installed, and removed by the Contractor which are needed for construction or installation of the Works.

A **Variation** is an instruction given by the Engineer which varies the Works.

The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the **Tender Inviting Authority**.

2. Interpretation

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. **The Executive officer** will provide instructions clarifying queries about the Conditions of Contract.

2.2 If sectional completion is specified in the Clause 13 of Section 2, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion date for the whole of the Works).

2.3 The documents forming the Contract shall be interpreted in the following order of priority:

- (1) Agreement
- (2) Letter of Acceptance, notice to proceed with the works
- (3) Contractor's Bid
- (4) Conditions of Contract including Additional Conditions of Contract
- (5) Specifications
- (6) Drawings and
- (7) Bill of Quantities

3. Language and Law

3.1 The language of the Contract and the law governing the Contract are stated in the "English" only.

4. Engineer's Decisions

4.1 Except where otherwise specifically stated, the **Assistant Engineer/Junior Engineer** will decide contractual matters between the **Employer** and the Contractor representing the **Employer**.

5. Delegation

5.1 The **Employer** may delegate any of his duties and responsibilities to other people.

6. Communications

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Other Contractors

7.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the **Employer** between the dates given in the Schedule of Other Contractors. The Contractor shall also provide facilities and services for them as described in the Schedule. The **Employer** may modify the schedule of other contractors and shall notify the contractor of any such modification.

8. Personnel

8.1 The Contractor shall employ the key personnel named in the Schedule of Key Personnel as referred to in the Annexure 'A' of Section 3, to carry out the functions stated in the Schedule or

other personnel approved by the **Executive officer**. The **Executive officer** will approve any proposed replacement of key personnel only if their qualifications, abilities, and relevant experience are substantially equal to or better than those of the personnel listed in the Schedule.

- 8.2 If the **Executive officer** asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

9. Employer's and Contractor's Risks

- 9.1 The **Employer** carries the risks which this Contract states are **Employer's** risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

10. Employer's Risks

- 10.1 The **Employer** is responsible for the excepted risks which are (a) in so far as they directly affect the execution of the Works in the risks of war, hostilities, invasion, act of foreign enemies, rebellion, revolution, insurrection or military or usurped power, civil war, riot commotion or disorder (unless restricted to the Contractor's employees), and contamination from any nuclear fuel or nuclear waste or radioactive toxic explosive, or (b) a cause due solely to the design of the Works, other than the Contractor's design.

11. Contractor's Risks

- 11.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

12. Contractor to Construct the Works

- 12.1 The Contractor shall construct and install the Works in accordance with the Specification and Drawings, and as per instructions of **Assistant Engineer/Junior Engineer**.

13. The works to be Completed by the Intended Completion Date

- 13.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program and complete the work as follows.

In case of Building work, the following milestones have to be met

- a. Minimum one third of the value of work should be completed by the end of the 3rd month, and
- b. Work should be completed in all respects by the end of the 6th month.

If there is default in meeting either or both these deadlines, Liquidated damages @ 0.1% of the unfinished value of work (in relation to the two milestones) will be levied per day till their completion.

The period of completion shall be 6 months from the date of issue of Work Order to the successful contractor.

14. Approval by the Assistant Executive Engineer

- 14.1 The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the **Assistant Executive Engineer**, who is to approve them if they comply with the Specifications and Drawings.
- 14.2 The Contractor shall be responsible for design of Temporary Works.
- 14.3 The **Assistant Executive Engineer** approval shall not alter the Contractor's responsibility for design of the Temporary Works.
- 14.4 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the **Assistant Executive Engineer**, before their use.

15. Safety

- 15.1 The Contractor shall be responsible for the safety of all activities on the Site.

16. Discoveries

- 16.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the **Executive officer** of such discoveries and carry out the **Executive officer's** instructions for dealing with them.

17. Access to the Site

- 17.1 The Contractor shall allow the **Executive officer** and any person authorized by the Assistant Executive Engineer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

18. Instructions

- 18.1 The Contractor shall carry out all instructions of the **Executive officer**, which comply with the applicable laws where the Site is located.

B. Time Control

19. Program

- 19.1 Within the time stated in the Clause 13 of Section 2, the Contractor shall submit to the Engineer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works along with monthly cash flow forecast.
- 19.2 An update of the Program shall be a program showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work including any changes to the sequence of the activities.
- 19.3 The Contractor shall submit to the **Executive officer**, for approval, an updated Program at intervals no longer than the period stated in the Clause 13 of Section 2. If the Contractor does not submit an updated Program within this period, the **Executive officer** may withhold the amount stated in the Clause 31 of Section 2 from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program has been submitted.
- 19.4 The **Executive officer's** approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Engineer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

20. Delays Ordered by the Employer

- 20.1 The **Executive officer** may instruct the Contractor to delay the start or progress of any activity within the Works.

21. Management Meetings

- 21.1 Either the **Executive officer** or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.
- 21.2 The **Executive officer** shall record the business of management meetings and is to provide copies of his record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken is to be decided by the **Executive officer** either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.

22. Early Warning

- 22.1 The Contractor is to warn the **Executive officer** at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the Contract Price or delay the execution of works.

- 22.2 The Contractor shall cooperate with the **Executive officer** in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Engineer.

C. Quality Control

23. Identifying Defects

- 23.1 The **Assistant Executive Engineer** shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The **Assistant Executive Engineer** may instruct the Contractor to search for a Defect and to uncover and test any work that the **Assistant Executive Engineer** considers may have a Defect.
- 23.2 The contractor shall permit the Employer's Technical auditor to check the contractor's work and notify **Assistant Engineer/Junior Engineer** and Contractor of any defects that are found. Such a check shall not affect the Contractor's or the Engineer's responsibility as defined in the Contract Agreement.
- 23.3 The contractor shall permit the State Quality monitoring Agency to check the contractor's work and notify the **Assistant Engineer/Junior Engineer** and Contractor of any defects that are found. Such a check shall not affect the Contractor's or the Engineer's responsibility as defined in the Contract Agreement

24. Tests

- 24.1 If the **Assistant Engineer/Junior Engineer** instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

25. Correction of Defects

- 25.1 The **Executive officer** shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Clause 31 of Section 2. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
- 25.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the **Executive officer's** notice.

26. Uncorrected Defects

- 26.1 If the Contractor has not corrected a Defect within the time specified in the **Executive officer's** notice, the **Assistant Engineer/Junior Engineer** will assess the cost of having the Defect corrected, and the Contractor will pay this amount.
- Note:-** Where in certain cases, the technical specifications provide for acceptance of works within specified tolerance limits at reduced rates, Engineer will certify payments to Contractor accordingly.

D. Cost Control

27. Bill of Quantities

- 27.1 The Bill of Quantities shall contain items for the construction, installation, testing, and commissioning work to be done by the contractor.
- 27.2 The Bill of Quantities is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the Bill of Quantities for each item.

28. Payments

- 28.1 **Part or complete Payment will be made EVERY MONTH by the Executive Officer based on the OUTTURN of satisfactory completion of work in the PREVIOUS**

MONTH and value of work executed shall be determined, based on the measurements and check measurements by the Engineer in the M.Book.

- 28.2** Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

29. Tax

- 29.1** The rates quoted by the Contractor shall be deemed to be inclusive of the sales and other taxes that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

30. Currencies

- 30.1** All payments shall be made in Indian Rupees.

31. Retention

- 31.1** The Employer shall retain a sum equivalent to 5% of the value of the each bill as retention money from each payment due to the Contractor.
- 31.2** Out of the 5% of the retention amount, on issue of completion certificate for the work 2.5% will be released to the Contractor while the balance 2.5% will be retained during defect liability period. The retained 2.5% will be released by the Executive officer, after ensuring no liability in connection with work executed.

32. Liquidated Damages

The Contractor shall full fill two milestones viz.,

In case of Paver Block Roads, the following milestones have to be met

- a. Minimum one third of the value of work should be completed by the end of the 3rd month, and
- b. Work should be completed in all respects by the end of the 6th month.

If there is default in meeting either or both these deadlines, Liquidated damages @ 0.1% of the unfinished value of work (in relation to the two milestones) will be levied per day till their completion.

If the work is not completed even 45 days after the 6months period, the contract is liable for summary cancellation, Security deposit forfeited and contractor black listed.

However, as earlier mentioned, the employer can cancel the contract if the work is not executed as per the contract in the intermediate period also.

33. Cost of Repairs

- 33.1** Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Liability periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing the Contract

34. Completion

- 34.1** The Contractor shall request the Engineer to issue a Certificate of Completion of the Works and the **Executive officer** will do so upon deciding that the Work is completed.

35. Taking Over

- 35.1** The Employer shall take over the Site and the Works within seven days of the **Assistant Engineer/Junior Engineer** issuing a certificate of Completion.

36. Termination

36.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.

36.2 Fundamental breaches of Contract include, but shall not be limited to the following:

- a) the **Executive officer** gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the **Assistant Engineer/Junior Engineer**
- b) the Contractor does not maintain a security which is required;
- c) the Contractor has not completed even 45 days after the contract period
- d) if the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.

36.3 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

37. Payment upon Termination

37.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the **Assistant Engineer/Junior Engineer** shall issue a certificate for the value of the work done up to the date of the issue of the certificate, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Clause 13 of Section 2. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

38. Property

38.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor's default.

39. Force Majeure Event

39.1 No party is eligible to terminate the agreement due to force majeure events.

40. Legal Provisions

40.1 Bidder shall abide all statutory legal provisions made in relevant Laws./ Acts / Rules including but not confined to the Child labour Act, Factories Act, Industrial Disputes Act, etc. The Employer has the right to take action to invoke the Revenue Recovery Act to recover any amount due, wherever necessary.

40.2 Risk Insurance

The work executed by the contractor under this contract shall be maintained by the contractor's risk until the work is taken over by the Executive officer. The Government should not be liable to pay for any loss or damages occasioned by (or) arising out of fire, flood, volcanic eruptions, earth quake, other conclusion of nature and all other natural calamities risk arising out of act of God during such period and that the option whether to take insurance coverage (or) not to care such risks is left to the contractor.

41. Caution boards: "CAUTION: WORK IN PROGRESS"

Warning Notice shall be placed at points in the neighborhood of the work where roads join and cross the road and at such points as may be directed to enable motorists, cyclists, or vehicular traffic to avoid the obstructed road by taking alternative routes, extra cost will not be paid for any incidental items.

42. Tender Transparency Act

The Tamil Nadu Tender Transparency Act will be applicable for this tender.

SECTION - 3

Formats of Qualification Information

1. Qualification Information

The Applicant shall include with the Qualification schedule, details in the prescribed proforma vide Annexure "A" to "H".

- | | |
|--------------------|---|
| I. Annexure 'A' | - Structure and Organization |
| II. Annexure 'B' | - Financial Capability Statement |
| III. Annexure 'C' | - Plant and Equipments |
| IV. Annexure 'D' | - Work experience (works completed) |
| V. Annexure 'E' | - Details of Abandonment of work Litigation / debarring done |
| VI. Annexure 'F' | - Affidavit on Non-judicial stamp paper |
| VII. Annexure 'G' | - Undertaking to abide by modified terms and Conditions, if any |
| VIII. Annexure 'H' | - Details of Technical Personnel under Regular Employment with the Applicant. |

Annexure “A”

STRUCTURE AND ORGANISATION

1	Name of the Bidder	:	
2	Status	:	
	Individual contractor	:	
	Sole Proprietary Firm	:	
	Firm in Partnership	:	
	Private Limited Company	:	
	Public Limited Company	:	
3	Head Office/Registered office address with phone/ Fax Number / E-mail ID	:	
4	Local office (if any) address with Phone/ Telex / Fax Number	:	
5	Main line of Business [such as (Civil) Engineering Contractor / General Engineering Contractor/ Electrical Engineering Contractor etc, should be specified.]	:	
6	Name, position, status, capacity etc, of the Key personnel/ [directors of the company (Attach organization chart showing the structure of the company/firm]	:	
7	Name, capacity and address of the signatory who has Signed the Qualification Application. Attested copy of authorization issued (either by power of attorney or as per articles of Partnership Deed/ Memorandum of Association) in favour of the signatory to sign the qualification Application price Tender/ Agreement should be appended.	:	

ANNEXURE “B”

FINANCIAL CAPABILITY

1	Name and address of the Applicant	:			
2	Income Tax Permanent Account No. C.I. H. No.	:			
3	TIN Number	:			
	Annual turn over as per Income Tax returns filed for the past five years	:	TAX YEAR	Figures (Rs.)	Words (Rs)
		:	2016-2017		
		:	2017-2018		
		:	2018-2019		
		:	2019-2020		
		:	2020-2021		
		:	TAX YEAR	Figures	Words
20	Annual turnover as per audited statement of account duly certified by the Chartered Accountant during the preceding Five years (Attach attested copy of balance sheets)	:	2016-2017		
13		:	2017-2018		
-		:	2018-2019		
20		:	2019-2020		
14		:	2020-2021		
20					
6	Working Capital				
	I. Balance in bank account (Rs.)	:			
	II. Unutilized overdraft / Credit facility in the Nationalized / Scheduled bank (Rs.)	:			

ANNEXURE "C"

DETAILS OF CONSTRUCTION EQUIPMENTS, TOOLS & PLANTS, VEHICLES THAT COULD BE DEPLOYED EXCLUSIVELY FOR THIS WORK

NAME OF APPLICANT:

Sl.No.	Name of equipment/ Tools and plants/vehicles	Total requirement for this work	Equipments owned by the Applicant		Equipments currently under lease, available with the Applicant				Equipments proposed to be taken on lease		
			Number	Year of purchase make and capacity	Present working condition	Number	Year of Manufacture, Make & Capacity	Present working condition	Number	Year of Manufacture, Make & Capacity	Present working condition
	For Construction Work										
1	Concrete Mixing Machine	3 No.									
2	Vibrating Machine	2 No.									
3	Tipper Lorry	2 Nos.									
4	Water Lorry	1 No.									
	Embankment										
1	Lifting machine	1 No.									
2	Excavator	1 No.									
3	Loader	1 No.									
4	Water Lorry	1 No.									
5	JCB	1 No.									

Note: For the equipments currently under lease with the Applicant, date of expiry of lease period shall be furnished

ANNEXURE "D"

**DETAILS OF BT (OR) BT AND CC ROAD WORK(S) OF NOT LESS THAN 50% OF THE
VALUE PUT TO TENDER UNDER A "SINGLE AGREEMENT" IN ANY ONE OF THE PRECEDING 'THREE" YEARS
(2015-16,16-17,17-18) FOR GOVERNMENT DEPARTMENT/BOARD/GOVERNMENT UNDERTAKING**

NAME OF BIDDER :

Sl. No.	Type and Nature of work	Location Village/ Town/Taluk/ District/State	Name and designation of the employer/ owner	Value of work as per Agreement Rs.	Agreement Number	Stipulated period of contract as per agreement	Date of commencement of the work	Date of actual completion of work	Reasons for delay in completion (If any)	Actual value of work executed as per final payment	Quality of work done *
1											
2											
3											
4											
5											
6											
7											

- Note:
- a) Certificate issued by the Engineer - in - charge (not below the rank of Executive Engineer/ Project Engineer) of each of the work is to be appended.
 - b) * Please indicate whether the work is "Satisfactorily Completed."

Dated Signature of the applicant with seal

ANNEXURE “E”

**INFORMATION REGARDING CURRENT LITIGATION / DEBARRING / EXPELLING
OF APPLICANT OR ABANDONMENT OF WORK BY THE APPLICANT**

1. (a) Is the Applicant currently involved in any Arbitration/
litigation relating to any contract works Yes / No

(b) If Yes, Details thereon

2. (a) Has the Applicant or any of it's constituent
partners been Debarred/Expelled by any
agency during the
last “Five” years Yes / No

(b) If yes, Details thereon

3. (a) Has the Applicant or any of it's constituent Partners
failed to complete, any contract work during the past
“Five” years. Yes / No

(b) If yes, give details thereon

Dated Signature of Applicant with seal

Note: If any information in this Annexure is found to be incorrect or concealed, the bid
will be summarily rejected & price bid will not be opened.

Bidders Signature with Seal

ANNEXURE “F” AFFIDAVIT

**(To be furnished in a Twenty Rupees Non-Judicial Stamp Paper duly
Certified by Notary Public)**

1. I/We the undersigned solemnly declare that all the statements made in the documents, records etc., attached with this application are true and correct to the best of my/our knowledge
2. I/We the undersigned do hereby certify that neither my/our firm/company nor any of it's constituent partners have abandoned any work/works of similar nature and magnitude in India, during the Last “Five” years.
3. I/We the undersigned do hereby certify that any of the contracts awarded to me/us has not been terminated rescinded, due to breach of contract on my/our part, during the last “Five” Years.
4. I/We the undersigned authorize(s) and request any bank/person/firm/corporation/Government Departments to furnish pertinent information deemed necessary and requested by the Tender Inviting Authority----- Town Panchayat,..... District to verify the statement made by me/us or to assess my/our competence and general reputation.
5. I/We, the undersigned, understand(s) that further qualifying information / clarifications on the statement made by me/us may be requested by the Tender Inviting Authority -----Town Panchayat,.....District and agree(s) to furnish such information/ clarification within “SEVEN” Days from the date of receipt of such request from the Tender Inviting Authority ----- Town Panchayat, District.

Dated Signature of Applicant with Seal:

(To be signed by the officer authorized by the Firm/Company to sign on behalf, the Firm/Company with company's seal)

Note: - In case of sole proprietary concern, affidavit should be signed only by the sole proprietor.

(Title of the Officer)

(Title of the firm/Company) (Date)

The above named deponent has understood the contents well and solemnly and sincerely declared and affirmed by the deponent in my presence at-----and signed before me on this day of

(Seal)

(Signature of the Notary Public)

Bidders Signature with Seal

ANNEXURE "G"

UNDER TAKING

Under taking should be furnished in a Twenty Rupees Non-Judicial Stamp paper with the Qualification Application and certified by the Notary Public.

I/We

the applicant do hereby undertake that I/we will abide by the terms and conditions if any modified by the Tender Inviting Authority -----Town Panchayat in the contract conditions subsequent to submission of Qualification Annexure/price tender or subsequent to execution of the agreement.

Place:

Date :

Signature of the bidder with Seal

The above named deponent has understood the contents well and solemnly and sincerely declared and affirmed by the deponent in my presence at ----- and signed before me -----on this day of -----.

Place:

Date:

Signature of the Notary Public with Seal

I/We

the applicant do hereby undertake that
I/we will abide by the terms and conditions set forth in the tender document and am willing to undertake the / Up gradation of roads Nos. in Package No /
.....Town Panchayat of District under the _____
Project 2021-22 at the rate as given in the price bid cover.

Place: Date :

Bidders Signature with Seal

ANNEXURE "H"

Details of Technical Personnel Under regular employment of the applicant who can be made available exclusively for this work

Name of Bidder:

Sl. No.	Designation	Name	Educational Qualification	Under regular employment with Applicant since	Total Span of Experience	Salary being paid	Remarks
1	B.E Civil (or) equivalent Degree holder with 5 years experience (or) not less than two retired Sub Divisional Officer (Assistant Executive Engineer or Assistant Divisional Engineer)	1					
		2					
		3					
		4					
		5					
		6					
		7					
		8					
2	Diploma holders in Civil Engineering with 2 years of the experience (or) Four Retired Junior Engineers.	1					
		2					
		3					
		4					
		5					
		6					
		7					
		8					

Tender Document

“15th Finance 2021-2022 (National Health Sector)”

PRICE BID

Kallukoottam Town Panchayat

NAME OF THE WORK

:

**Construction of Health Sub Center at
Udayarvilai village Survey No. 794/12 in
Kallukoottam Town Panchayat**

Estimate Amount: Rs.30.00 Lakhs

OFFICER INVITING BIDS

:

**Executive officer
Kallukoottam Town Panchayat**

Price Bid Date :

Invitation for Bid No.

To:

Executive officer,
Town Panchayat,

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bid Documents.

(b) We offer to execute in conformity with the Bid Documents for the work of

“ ----- **Building Works**

Concrete Mixer Machine (Package No: ----)”in ----- Town Panchayat under the “Capital grand Fund CGF (2018-19)”.

(c) The total price of our Bid, excluding any discounts offered in item (d) below is

(i) In figures :- Rs...../-

(ii) In Words:- Rupees

(d) The discounts offered are

(i) In figures :- Rs...../-

(ii) In Words:- Rupees

(e) The net price of our bid, after discount offered in (d) above is

(i) In figures :- Rs...../-

(ii) In Words:- Rupees only

(f) Our Bid shall be valid for a period of **180 days** from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiry of that period.

(g) If our Bid is accepted, we commit to remit Security Deposit in accordance with the Bid Documents within the stipulated time.

SCHEDULE OF RATES AND APPROXIMATE QUANTITIES

1. The quantities given here are those upon which the item rate tender cost of the work is based, but they are subject to alternations, omissions, deductions or addition as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit rates quoted below are those governing payment for extras or deductions or omissions according to the condition of the contract, as set forth in the Standard Specifications for roads and bridges with the MORTH specifications and other condition of specifications of the contract.
2. It is to be expressly understood that the measured work is to be taken net (Not withstanding any custom or practice to the contrary) according to the actual quantities. When in places and finished according to the drawings, or as may be ordered from time to time by the Engineer in charge and the cost calculated by measurement or weight at the respective prices, without any additional charge for any necessary or contingent works concerned therewith. The rates quoted are for the finished works in situ and complete in every respect.
3. The description given in Schedule - A are to indicate the item of work only and need not be construed as full specification. The quoted rate shall be for carrying out the item as per standards and specifications described in the relevant MOST specification. The contractor shall take no advantage of any apparent error or omission in the Schedule - A description.
4. The Tenderers should quote their rates for the quantity and units specified under metric units under Schedule 'A'.
5. The contractor should sign all the pages of schedule 'A' enclosed in the tender document without any omission. Otherwise the tender will be liable for rejection as per the rules.

Executive Officer

Town Panchayat

**Model Letter of Acceptance,
Model Form of Agreement,
and
Model Work Order**

Letter of Acceptance

From

Executive officer
Kallukoottam Town Panchayat

To

Name and Address of the Successful
Bidder

Roc. No. 1538/2021

_____ (date)

Sub:- **Construction of Health Sub Center at Udayarvilai village Survey No. 794/12 in Kallukoottam Town Panchayat** (Package No: __ __) – issue of Letter of Acceptance – Regarding.

Ref:- 1. Your Tender dated on _____.2022
2. Town Panchayat Council Resolution No. -----dated-----

This is to notify you that your Bid dated _____.2022 for execution of the (Name of the work) (Package No: --- --) [File No.----] for the Contract Price of Rupees. _____
(_____) [amount in words and figures], as corrected and modified in accordance with the Instructions to Bidders' is hereby accepted.

2) You are hereby requested to furnish Security Deposit for an amount equivalent to 2% of the contract value (which includes Earnest Money Deposit already paid) within 15 days from the receipt of this Letter of Acceptance. In terms of clause 30 of the tender document, the Security Deposit should be valid up to 7 days from the date of expiry of Defects Liability Period. You are also required to execute an agreement for fulfillment of the contract in a Rs. 20/- Judicial Stamp Paper. If you fail to remit the required Security deposit and execute the agreement within 15 days, your tender is liable for cancellation and EMD forfeited without notice.

3. You are informed that this is only the letter of acceptance of your bid. **Formal work order for the work will be issued on remitting the 2% Security Deposit and execution of agreement.**

Executive officer
Kallukoottam Town Panchayat

Agreement Form

Agreement

This agreement, made the _____ day of _____, 20_____,
between _____
_____ [Executive officer] of the one part and

_____ [name and address of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Executive officer is desirous that the Contractor execute
_____ (Package No: -----) [File No.] (hereinafter called "the Works")
and the Executive officer has accepted the Bid by the Contractor for the execution and completion of such Works
and the remedying of any defects therein, at a contract price of Rs.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and treated as part and parcel of this Agreement, viz.:
 - i) Tender Document including the Contractor's Bid Documents and all other documents furnished by the bidder and submitted as part of the Bid;
 - ii) Conditions of contract (including Additional Conditions of Contract);
 - iii) Specifications;
 - iv) Drawings;
 - v) Bill of Quantities;
 - vi) Letter of Acceptance;
 - vii) Work Order (to be issued)
5. Detailed conditions agreed in the tender document form part of the agreement. The services to be performed, timelines to be met with, penalty clauses for non performance, and the other stipulations will be as furnished herein:
 - i. **Contract Period:** The Contract period is for 6 months from the date of issue of work order to the successful contractor.
 - ii. **Payment Schedule:** Part or complete Payment will be made every month by the Executive Officer based on the outturn of satisfactory completion of work in the previous month and value of work executed shall be determined, based on the measurements and check measurements by the Engineer in the M.Book.
 - iii. **Milestones and Liquidation Damages:** The work will have two milestones

In case of Paver Block , the following milestones have to be met

- a. Minimum one third of the value of work should be completed by the end of the 3rd month, and
- b. Work should be completed in all respects by the end of the 6th month.

If there is default in meeting either or both these deadlines, Liquidated damages @ 0.1% of the unfinished value of work (in relation to the two milestones) will be levied per day till their completion.

- iv. No Joint venture is permitted or Sub contracting is permitted
- v. **Machineries:** The bidder should own or lease Paver Machine and tie up with a Hot Mix plant in respect of the Paver Block roads. The Hot Mix shall be delivered at the work site at 120° C. The detailed list of Machineries as detailed in the Tender document shall be made available at the work site.
- vi. **Retention Money:** The Town Panchayat shall retain a sum equivalent to 5% of the value of the each bill as retention money from each payment due to the Contractor. Out of the 5% of the retention amount, on issue of completion certificate for the work 2.5% will be released to the Contractor, while the balance 2.5% will be retained during defect liability period (ie., 1 year for the Paver Block Roads). The retained 2.5% will be released by the Executive Officer, after ensuring no liability in connection with work executed.
- vii. **State Quality Monitors:** In order to ensure quality of the work, Third party checks and inspections by the State Quality Monitors will be taken up. Any defects pointed out by the State Quality monitors shall be attended by the Contractor at his own cost and rectified.
- viii. **Fraudulent Practices :** If it is found any time during the tender process, award of contract, or during the contract period, that the Contractor has furnished false certificate or if the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for, getting the contract or in the executing the Contract, the Contract will be summarily terminated and Criminal Proceedings will be initiated.
- ix. **Price Adjustment Clause:** Price Adjustment Clause as per G.O. 227 , MWS, dt. 23.11.2009 is applicable for the tenders of Rs.1.00 crore and above, even if the contract period is less than 1 year.
- x. **Termination of the Contract:** If the work is not completed even 15 days after the contract period (6 months period), the contract is liable for summary cancellation
- xi. **Defect Liability Period:** The defect liability period is 1 year for the buildings.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal _____
was hereunto affixed in the presence of:

Signed, Sealed and Delivered by the said

in the presence of:

Binding Signature of Employer (Executive officer) _____

Binding Signature of Contractor _____

Work Order

From

To

Executive officer

Name and Address of the Successful
Bidder

_____ Town Panchayat

Roc. No.-----

_____ (date)

Sub:- **"Construction of Health Sub Center at Udayarvilai village Survey No. 794/12 in Kallukootam Town Panchayat"**– issuing of notice to proceed with the work-Regarding.

Ref:- 1. Your Tender dated on _____.2022
2. Town Panchayat Council Resolution No. -----dated-----
3. Letter of Acceptance_____ dated_____
3. Your Agreement dated-----

Pursuant to your furnishing the requisite Security Deposit as stipulated in ITB clause 30 and signing of the contract agreement for the work of **(Package No: -----) @ a Bid Price of Rs.-----**, you are hereby instructed to proceed with the execution of the said works in accordance with the contract terms and conditions. The Contract Period is 6 months from the date of issue of work order.

You are hereby instructed to proceed with the execution of the above said work in accordance with the conditions stipulated as per the agreement. Your attention is drawn to the following specific conditions for strict compliance:

1. **Contract Period:** The Contract period is for 6 months from the date of issue of Work Order to the successful contractor.
2. **Payment Schedule:** Part or complete Payment will be made every month by the Executive Officer based on the outturn of satisfactory completion of work in the previous month and value of work executed shall be determined, based on the measurements and check measurements by the Engineer in the M.Book.
3. **Milestones and Liquidation Damages:** The work will have two milestones

In case of Paver Block Roads, the following milestones have to be met

- a. Minimum one third of the value of work should be completed by the end of the 3rd month, and
- b. Work should be completed in all respects by the end of the 6th month.

If there is default in meeting either or both these deadlines, Liquidated damages @ 0.1% of the unfinished value of work (in relation to the two milestones) will be levied per day till their completion.

4. No joint ventured or consortium shall be allowed or Sub contracting is permitted.
5. **Machineries:** The bidder should own or lease Paver Machine and tie up with a Hot Mix plant in respect of the Paver Block roads. The Hot Mix shall be delivered at the work site at 120° C. The detailed list of Machineries as detailed in the Tender document shall be made available at the work site.
6. **Retention Money:** The Town Panchayat shall retain a sum equivalent to 5% of the value of the each bill as retention money from each payment due to the Contractor. Out of the 5% of the retention amount, on issue of completion certificate for the work 2.5% will be released to the Contractor, while the balance

2.5% will be retained during defect liability period . The retained 2.5% will be released by the Executive Officer, after ensuring no liability in connection with work executed.

7. **State Quality Monitors:** In order to ensure quality of the work, Third party checks and inspections by the State Quality Monitors will be taken up. Any defects pointed out by the State Quality monitors shall be attended by the Contractor at his own cost and rectified.
8. **Fraudulent Practices :** If it is found any time during the tender process, award of contract, or during the contract period, that the Contractor has furnished false certificate or if the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for, getting the contract or in the executing the Contract, the Contract will be summarily terminated and Criminal Proceedings will be initiated.
9. **Price Adjustment Clause:** Price Adjustment Clause as per G.O. 227 , MAWS Dept dt. 23.11.2009 is applicable for the tenders of Rs.1.00 crore and above, even if the contract period is less than 1 year.
10. **Termination of the Contract:** If the work is not completed even 45days after the contract period (6 months period), the contract is liable for summary cancellation
11. **Defect Liability Period:** The defect liability period is 1 year for Building .

Executive officer
----- Town Panchayat

15th Finance 2021-2022 (National Health Sector)

Tender Document

PRICE BID

Kallukoottam Town Panchayat

NAME OF THE WORK : **Construction of Health Sub Center at
Udayarvilai village Survey No. 794/12 in
Kallukoottam Town Panchayat**

OFFICER INVITING BIDS : **Executive officer
Kallukoottam Town Panchayat**

Price Bid Date :

Invitation for Bid No.

To:

Executive Officer,

-----Town Panchayat,

.

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bid Documents.
- (b) We offer to execute in conformity with the Bid Documents for the work of **“Construction of Health Sub Center at Udayarvilai village Survey No. 794/12 in Kallukootam Town Panchayat (Package No: -----)”** in ----- Town Panchayat under the “15th Finance National Health fund 2021-2022
- (c) The total price of our Bid, excluding any discounts offered in item (d) below is
 - (iii) In figures :- Rs...../-
 - (iv) In Words:- Rupees
- (d) The discounts offered are
 - (iii) In figures :- Rs...../-
 - (iv) In Words:- Rupees
- (e) The net price of our bid, after discount offered in (d) above is
 - (i) In figures :- Rs...../-
 - (ii) In Words:- Rupees only
- (f) Our Bid shall be valid for a period of **90 days** from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- (g) If our Bid is accepted, we commit to remit Security Deposit in accordance with the Bid Documents within the stipulated time.

KALLUKOOTTAM TOWN PANCHAYAT**DATA 2021-2022****Name of work:** Construction of Health Sub Center at Udayarvilai village Survey No. 794/12 in Kallukoottam Town Panchayat

SL NO	MATERIAL	NAME OF QUARRY	LEAD IN KM	UNIT	COST	CONVEYANCE	TOTAL
1	40mm ISS HBG metal	Thottiyode	14	1M3	1029.00	149.38	1178.38
2	20mm ISS HBG metal	Thottiyode	14	1M3	1432.00	149.38	1581.38
3	12mm ISS HBG metal	Thottiyode	14	1M3	1329.00	149.38	1478.38
4	10mm ISS HBG metal	Thottiyode	14	1M3	977.00	149.38	1126.38
5	Rough Stone for masonry works	Thottiyode	14	1M3	445.00	149.38	594.38
6	Rough Stone for revetment works	Thottiyode	14	1M3	378.00	149.38	527.38
7	Bond Stones	Thottiyode	14	1M3	642.00	149.38	791.38
8	Cut Stone	Thottiyode	14	1M3	4305.00	149.38	4454.38
9	Stone dust	Thottiyode	14	1M3	122.50	102.60	225.10
10	Sand For Filling	Kadana in Tirunelveli Dist	113	1M3	447.00	890.95	1337.95
11	Sand For Mortar	Kadana in Tirunelveli Dist	113	1M3	447.00	890.95	1337.95
12	Crushed Stone Sand	S.F. No. 10/2, Aloor B Village, Kalkulam Taluk, Kanyakumari District	15	1M3	1280.00	158.90	1438.90
13	Country Bricks 83/4"x41/4"x2"	Karavilai	18	1000Nos	4195.00	158.22	4353.22
14	Country Bricks 83/4"x41/4"x23/4"	Karavilai	18	1000Nos	5570.00	158.22	5728.22
15	Broken Brick Jelly 20mm	Karavilai	18	1M3	767.00	128.80	895.80
16	Broken Brick Jelly 40mm	Karavilai	18	1M3	688.00	128.80	816.80
17	Pressed Tiles 23*23*2cm	Chettikulam	18	1000Nos	16106.00	105.48	16211.48
18	Pressed Tiles 20*20*2cm	Chettikulam	18	1000Nos	11356.00	105.48	11461.48
19	Shell Lime	Chettikulam	18	1M3	1322.00	128.80	1450.80
20	Slacked Lime	Chettikulam	18	1M3	974.00	128.80	1102.80
21	Well Gravel	Local	5	1M3	161.70	55.65	217.35
22	Gravel	Local	5	1M3	216.30	55.65	271.95
23	Quarry Rubbish	Thottiyode	14	1M3	95.70	149.38	245.08
24	Clay	Thottiyode	14	1M3	37.00	149.38	186.38
25	Cement	Local	—	1MT	5960.00		5960.00
26	Steel	Local	—	1MT	51750.00		51750.00

Certificate that I hereby declare that the above details are true

SI No	Ratio	Quantity	Description	Rate	Amount
1	CEMENT MORTAR 1:1.5	0.96 Mt	cement	5960.00	5721.60
		1.00 m3	Crushed stone sand	1438.90	1438.90
			Sub Total		7160.50
		1.00 m3	Mixing mortar	100.00	100.00
			Total		7260.50
2	CEMENT MORTAR 1:2	0.72 Mt	cement	5960.00	4291.20
		1.00 m3	Crushed stone sand	1438.90	1438.90
			Sub Total		5730.10
		1.00 m3	Mixing mortar	100.00	100.00
			Total		5830.10
3	CEMENT MORTAR 1:3	0.48 Mt	cement	5960.00	2860.80
		1.00 m3	Crushed stone Sand	1438.90	1438.90
			Sub Total		4299.70
		1.00 m3	Mixing mortar	100.00	100.00
			Total		4399.70
3A	CEMENT MORTAR 1:3	0.48 Mt	cement	5960.00	2860.80
		1.00 m3	Crushed Stone Sand	1438.90	1438.90
			Sub Total		4299.70
		1.00 m3	Mixing mortar	100.00	100.00
			Total		4399.70
4	CEMENT MORTAR 1:4	0.36 Mt	cement	5960.00	2145.60
		1.00 m3	Crushed stone sand	1438.90	1438.90
			Sub Total		3584.50
		1.00 m3	Mixing mortar	100.00	100.00
			Total		3684.50

4A	CEMENT MORTAR 1:4	0.36	Mt	cement	5960.00	2145.60
		1.00	m3	Crushed Stone Sand	1438.90	1438.90
				Sub Total		3584.50
		1.00	m3	Mixing mortar	100.00	100.00
				Total		3684.50
5	CEMENT MORTAR 1:5	0.29	Mt	cement	5960.00	1716.48
		1.00	m3	Crushed stone sand	1438.90	1438.90
				Sub Total		3155.38
		1.00	m3	Mixing mortar	100.00	100.00
				Total		3255.38
5A	CEMENT MORTAR 1:5	0.29	Mt	cement	5960.00	1716.48
		1.00	m3	Crushed Stone Sand	1438.90	1438.90
				Sub Total		3155.38
		1.00	m3	Mixing mortar	100.00	100.00
				Total		3255.38
6	Lime mortar 1:2	0.50	m3	Lime	1450.80	725.40
		1.00	m3	Crushed stone sand	1438.90	1438.90
		1.00	m3	Grinding mortar	242.00	242.00
				Total		2406.30
Sl No	Ratio	Quantity		Description	Rate	Amount
7	Brick Jelly Lime Concrete 1:2:5 using 40mm brick jelly in Lime Mortar 1:2 - 10 cu.m.					
		9.50	m3	Broken Brick Jelly (40mm size)	816.80	7759.60
		3.80	m3	Lime Mortar 1:2	2406.30	9143.94
	1.80	Nos.		Mason II Class	804.00	1447.20
		17.70	Nos.	Mazdoor I Class	562.00	9947.40
		14.10	Nos.	Mazdoor II Class	461.00	6500.10
				Total for 10 cu.m.		34799.00
						3479.90

1. Earthwork excavation in all soils and sub soils except hard rock requiring blasting with initial lead and lift including re-filling the sides of foundation in layer of 15 cm thick watering , ramming ,depositing the surplus earth in the premises as directed by departmental officers etc., complete **as per SS 20 B TNDSS NO: 23&24VI (S2), VII 9,10- 1m3 For Foundation**

1.00	m3	As per SI no 62- SS20B	96.60	1m3	96.60
1.00	m3	Add 100% extra for narrow excavation	96.60	1m3	96.60
Total for 1 m3			193.20		193.20

second depth

1.00	m3	Earth work excavation and depositing For Foundation	193.20	1m3	193.20
1.00	m3	Extra for every additional 1 metre lift or part thereof over the initial lift	9.30	1m3	9.30
Total for 1 m3 :			202.50		202.50

2. Supply, collection and filling of Gravel from approved quarry including all cost and conveyance to site, stacking them on road side to departmental gauge for the take premeasurement. Each layer not more than 15cm thick and consolidation properly etc complete. **TNDSS No : 301 & 305**

1.00	m3	gravel	271.95	1m3	271.95
1.00	m3	filling charges	33.60	1m3	33.60
		Sundries			0.45
					306.00

Rate for 1cum Rs: 306.00

3. Refilling

Item	Unit	Rate (in Rs.)
Refilling the basement with excavated earth other than sand complying the standard specification	/ m3	33.60

4. Plain cement concrete Using 1:4:8 mix (One cement , four Sand and Eight aggregates) using 40 mm ISS HBG metal including cost and conveyance of all materials to work site and all labour charges for mixing, laying,consolidating and curing etc complete **as per the standard specifications. TNDSS NO: 28 V, VI (S2) V,VI (S5A) VII**

9.00	m3	40mm metal I.S.S gauge	1178.38	1m3	10605.42
4.50	m3	cement mortar 1:4	3584.50	1m3	16130.25
1.80	Nos	mason II class	804.00	1NO	1447.20
17.70	Nos	mazdoor I class	562.00	1NO	9947.40

14.10	Nos	mazdoor II class	461.00	1NO	6500.10
	LS	Sundries			0.43
		Total		10m3	44630.80
		Rate for 1 m3	4463.08		

5. Brick work in cement mortar 1:5 mix using (One cement and five sand) using best quality of III class Country bricks of size (8 3/4"x4 1/4"x 2 3/4") for foundation including curing cost and conveyance of all materials to site and all labour charges etc., complete as per standard specification **TNDSS specification No.31 & 31C- 10m3**

4590.00	Nos	III class Country bricks (83/4"x41/4"x 23/4")	5728.22	1000 No's	26292.53
2.50	m3	Cement mortar 1:5 mix	3155.38	m ³	7888.45
3.50	Nos	Mason I class	861.00	Each	3013.50
7.10	Nos	Mason II class	804.00	Each	5708.40
7.10	Nos	Mazdoor I class	562.00	Each	3990.20
21.20	Nos	Mazdoor II class	461.00	Each	9773.20
L.S.		Sundries		L.S.	0.72
		Total		10 m ³	56667.00
		Rate for 1 m³	5666.70		

a	Brick work in CM 1:5 mix For Ground Floor Superstructure				
	Rate For Basement	5666.70	m ³		5666.70
	Add For G.F. Superstructure	68.00	m ³		68.00
		Rate for 1 m³			5734.70

6. Brick work in cement mortar 1:3 mix using (One cement and three sand) using best quality of III class Country bricks of size (8 3/4"x4 1/4"x 2 3/4") for foundation including curing cost and conveyance of all materials to site and all labour charges etc., complete as per standard specification **TNDSS specification No.31 & 31C- 10m3**

4590.00	Nos	III class Country bricks (83/4"x41/4"x 23/4")	5728.22	1000 No's	26292.53
2.50	m3	Cement mortar 1:3 mix	4299.70	m ³	10749.25
3.50	Nos	Mason I class	861.00	Each	3013.50
7.10	Nos	Mason II class	804.00	Each	5708.40
7.10	Nos	Mazdoor I class	562.00	Each	3990.20
21.20	Nos	Mazdoor II class	461.00	Each	9773.20
L.S.		Sundries		L.S.	0.92
		Total		10 m ³	59528.00
		Rate for 1 m³	5952.80		

7. Supplying and erecting steel centering for sides and soffits including supports and strutting upto 3.29 m height for plain surface as RCC slabs, rectangular tee (or) elbeams, lintel, bed block stair case waist slab, landing slab, etc., complete as per standard specification - 10m² as per TNDSS & Morth specification No:30 & 36

Sub-data: 1

Weight of M.S.sheets for each set of size 90*60cm(10 gauge)

90cmx60cm (.0.54m²*3.175x7850/1000) = 13.46 kg

Weight of M.S angles for size 25mm*25mm*3mm

25mmx25mmx3mm (3.6m*1.1kg/m) = 4.00 kg

13.46	kg	Cost of M.S. sheets of size (90cm*60cm) (10 gauge)	47.30	kg	636.66
4.00	kg	Cost of M.S. angles of size 25mm*25mm*3mm	47.30	kg	189.20
LS		Add for cutting and bending ,welding charges	LS		54.14
		Total		[A]	880.00

Sub-Data: 2

19.00		Cost of MS sheet angles, and silver oak joists and casurina props 10m ²			
		Cost of MS sheet and MS angle (rate as per item above) (B)	880.00	1no	16719.96
				[B]	
0.12	m ³	Silver oak joists of size 10cmx6.50cm about 90cm c/c	15500.00	m ³	1860.00
25.60	Rm	Causrina poles 10cmx6.50 cm about 90mm c/c	25.20	RM	645.12
				[C]	2505.12

Adopting 40 uses for steel sheet and 5 uses for country wood scantling

causing props for one use for 10m² cost of steel sheets and angles.

cost as worked

Cost of MS sheet and MS angle for 1 use = (B) /40 1use (D) 278.67

Cost of country wood scantling and casurina props for 1 use = (C) / 5 1use (E) 250.51

Main data (for Slabs, Beams with Sturtting)

1.00		Cost of MS sheet and angles as worked (D)	278.67	1use	278.67
1.00		Cost of CW joists as worked (E)	250.51	1use	250.51
1.90	Nos	Carpenter I class	842.00	Each	1599.80
4.70	Nos	Mazdoor I class	562.00	Each	2641.40
1.00	Nos	Fitter II class	739.00	Each	739.00
L.S.		Add for wedges, carts, nails etc.,		L.S.	20.62
		10 m ²			5530.00

Rate / 1m² : Rs. **553.00**

Centering shrutting for RCC works by using MS sheets and angles etc, complete for strutting charges.

25.60	Rm	casurina poles of 3m ht. 10cm to 13cm	25.20	Rm	645.12
		Assuming 5 uses for 1 use = 1891.20 / 5 =			129.02

0.30	Nos	Carpenter I class	842.00	Each	252.60
0.30	Nos	Mazdoor I class	562.00	Each	168.60
		Sundries			0.78
		10m2			551.00

Rate / 1m² per 3m height : Rs. 55.10

strutting charges of 1m height (or) part thereof 55.10 / 3 = 18.37

Rate without strutting for 1m2 Plinth beam / Retaining wall

1.00	m ²	Centering charges for plain surface for 1 Sqm	553.00	m ²	553.00
-1.00	m2	Deduct for strutting for 1 Sqm	55.10	m2	-55.10
					497.90

Rate / 1m² : Rs. **497.90**

For Drainage / PCC Shuttering and it 1m2

497.90/2

Rate / 1m² : Rs. **248.95**

8. Reinforced cement concrete 1:11/2:3 (one cement one and half sand and three aggregate) using 20mm size I.S.S. metal including cost conveyance of materials to site and all labour charges etc., mixing laying consolidating curring etc., but excluding cost of steel etc., complete as per standard specification **as per**

TNDSS NO: 30 V,VI (S3) VII-3

		Up to Basement			
9.00	m3	20mm metal I.S.S GAUGE	1581.38	1m3	14232.42
4308.00	kg	cement	5.96	1KG	25675.68
4.50	m3	Crushed stone sand	1438.90	1m3	6475.05
3.50	Nos	mason II class	804.00	1NO	2814.00
21.20	Nos	mazdoor I class	562.00	1NO	11914.40
35.30	Nos	mazdoor II class	461.00	1NO	16273.30
		Sundries			0.15
		Total	10m3		77385.00

Rate for 1 m3 7738.50

Rate for excluding Vibrator 1 m3 7738.50

1.00	m3	Concrete Vibrators	81.30	1m3	81.30
------	----	--------------------	-------	-----	-------

Rate for including Vibrator 1 m3 7819.80

a Reinforced cement concrete 1:11/2:3 mix For Ground Floor

		Rate For Basement	7738.50	m ³	7738.50
		Add For Ground Floor	103.30	m ³	103.30

Rate for 1 m³ **7841.80**

9. Supplying, fabricating and placing in position of mild steel or TMT rods, including cost of steel and binding wire and all labour charges for cutting, bending, tying and placing in position etc, complete as per SS. **TNDSS NO: 97 V,VI (S6) VII (S6) VII-3**

100.00	kg	cost of steel	51.75	1Kg	5175.00
1.00	kg	binding wire	50.30	1Kg	50.30
3.50	Nos	Fitter (Pipe Laying / Bar bending) I Class	747.00	1NO	2614.50
		sundries			0.20
		Total for 100.00 Kg			7840.00
Rate for 1 Kg			78.40		

10. Weathering course with concrete broken brick jelly 20mm size in pure slacked lime (no sand to be added) over roof slab the proportion of brick jelly to lime being 32 to 12.5 well beaten with wooden beaters for giving required slope and thickness as directed by the departmental officers.

12.80	m3	broken brick jelly	895.80	1m3	11466.24
5.00	m3	slacked lime	1102.80	1m3	5514.00
1.80	Nos	mason I	861.00	1NO	1549.80
17.70	Nos	mazdoor I	562.00	1NO	9947.40
14.10	Nos	mazdoor II	461.00	1NO	6500.10
		Sundries			0.46
		Total		10m3	34978.00
Rate for 1 m3			3497.80		

11. Terrace flooring with Hydraulic pressed tiles of size 20*20*2cm laid in c.m 1:3 (one cement three sand) mixed with crude oil 10 %, by weight of cement and pointed with same oiled mortor etc complete as per SS

Sub Data

Pointing with cement mortar 1:3

0.04	m3	cement mortar 1:3	4299.70	1m3	171.99
0.04	kg	Water proofing compound	42.30	1kg	1.62
2.20	Nos	mason II	804.00	1NO	1768.80
0.50	Nos	mazdoor I	562.00	1NO	281.00
1.10	Nos	Mazdoor II	461.00	1NO	507.10
		Sundries			0.49
		Total		10m2	2731.00
Rate for 1 m2			273.10		

Main Data

250.00	Nos	pressed tiles	11.46	1no	2865.37
0.12	m3	cement mortar 1:3	4299.70	1m3	515.96
10.00	m2	pointing with cement mortar 1: 3 --- 10m2	273.10	1m2	2731.00
1.10	Nos	mason I	861.00	1NO	947.10
2.10	Nos	mason II	804.00	1NO	1688.40
2.20	Nos	mazdoor I	562.00	1NO	1236.40
1.10	Nos	mazdoor II	461.00	1NO	507.10
1.152	kg	Water proofing compound	42.30	1kg	48.73

Sundries		0.93
Total	10m2	10541.00

Rate for 1 m2: 1054.10

12. Paving the floor with Plain/Design Ceramic tiles (Colour and shade as directed) of Stain Free Nano Polish Vitrified Tiles of size 600 x 600 x 8mm in all floors over a base layer of cm 1:3 mix 20mm thick laid in situ and pointed with same coloured cement (white cement mixed with colouring pigment) neatly and fixed in position so as to make it perfectly smooth and shining, to the alignment etc. complete complying with standard specifications and as directed by the departmental officers. The sample colour and shade of the ceramic tiles should be got approved from the departmental officers before use in the works - 10m2.

10.00	m2	Stain free Nano Polish Vitrified Tiles of size 600 x 600 x 8mm	633.00	1m2	6330.00
0.21	m3	Cement mortar 1:3	4299.70	1m3	902.94
3.00	kg	White cement	22.40	1KG	67.20
0.05	kg	Colouring pigment	27.00	1gram	1.35
1.20	Nos	Mason I Class	861.00	1no	1033.20
1.00	No	Mason II Class	804.00	1no	804.00
0.50	No	Stone Cutter I Class	661.00	1no	330.50
1.00	No	Mazdoor I Class	562.00	1no	562.00
1.00	No	Mazdoor II Class	461.00	1no	461.00
0.50	kg	Cotton Waste	10.30	1KG	5.15
LS		Sundries			0.66
		Total for 10 m2		10m2	10498.00

Rate for 1 m2: 1049.80

13. Granolithic Floor finishing with Cement Concrete 1:2:4 (One part of cement, two parts of sand and four parts of ISS HBG metal) mix using 10mm to 12mm ISS size HBG metal to 25mm thick including cost and conveyance of all materials etc. and all labour charges etc. complete as per Standard specification and as directed by the departmental officers. TNBP No:39-F

9.00	m3	10mm to 12mm metal I.S.S gauge	1302.38	1 m3	11721.42
4.50	m3	cement mortar 1:2 mix	5730.10	1m3	25785.45
1.80	Nos	mason II class	804.00	1NO	1447.20
17.70	Nos	mazdoor I class	562.00	1NO	9947.40
14.10	Nos	mazdoor II class	461.00	1NO	6500.10
		Sundries			0.43
		Total		10m3	55402.00

Rate for 1 m3 5540.20

a) Rate for Granolithic Floor 20 mm thick for residents & other places for 1m2

0.20	m3	PCC 1:2:4 Mix	5540.20	1m3	1108.04
LS		Finishing the top by rubbing smooth and thread lining		LS	20.00
LS		Sundries		LS	0.96
		Total for 10m2			1129.00

Total for 1m2**112.90**

14. Dadoing with glazed tiles of 300mm*200mm*6mm size of approved quality and colour set in c.m 1:2mix (one cement and two sand) 10 mm thick and pointing with white cement using 0.4 kg /m2 neatly as directed -including cost of all materials and labour charges etc complete as per SS

167.00	Nos	Cost of colour glazed tiles	29.70	1no	4959.90
0.10	m3	Cement mortar 1:2	5730.10	1m3	573.01
4.00	kg	White cement	22.40	1KG	89.60
1.10	Nos	Mason I	861.00	1no	947.10
1.10	No	Mason II	804.00	1no	884.40
2.70	No	Mazdoor I	562.00	1no	1517.40
3.30	No	Mazdoor II	461.00	1no	1521.30
LS		Sundries			0.29
		Total for 10 m2		10m2	10493.00

Rate for 1 m2: 1049.30

15. Providing and fixing 4" dia PVC rain water down fall pipes with necessary PVCshoes, pvcbends, other specials clamps, screws, nails, teekwood plucks etc, complete including cost of all materials and labour charges as per SS. for 110mm dia pipe 4 kg. per cm2

3.00	m	110mm dia PVC pipe	193.50	m	580.50
1.00	No	110mm dia PVC shoe	79.50	No	79.50
1.00	No	110 mm dia PVC bend	99.20	No	99.20
2.00	Nos	Special clamp, teak wood plugs and screws	21.40	Nos	42.80
1.00	No	Plumber I class for fixing the pipe	747.00	No	747.00
L.S		Sundries for cement packing etc,			2.00
		Total for 3 RM			1551.00

Rate for 1 mt 517.00

16. Plastering in cement mortar 1:5 (one cement, five sand) using 12mm thick including cost and conveyance of all materials and labour charges etc, complete as per standard specification. **TNDSS NO: 61 V,VI (S4)**

0.14	m3	cement mortar 1:5	3155.38	1m3	441.75
1.10	Nos	mason I	861.00	1NO	947.10
0.50	Nos	mazdoor I	562.00	1NO	281.00
1.10	Nos	mazdoor II	461.00	1NO	507.10
		sundries			0.05
		Total		10m2	2177.00

Rate for 1 m2 217.70

17. Plastering in cement mortar 1:3 (one cement three sand) using 10mm thick including cost and conveyance of all materials and labour charges etc, complete as per standard specification. [MoRTH Specification: Clause:1000/1300]

0.10	m3	c.m 1:3	4299.70	1m3	429.97
1.10	Nos	mason I	861.00	1NO	947.10
1.10	Nos	mazdoor I	562.00	1NO	618.20
1.10	Nos	mazdoor II	461.00	1NO	507.10
		Sundries			0.63
		Total		10m2	2503.00
			250.30		

Rate for 1 m2

18. Painting two coats with ready mixed Plastic Emulsion Paint S.I.358 Plastic emulsion paint of approved quality and colour over a priming coat, including thorough scraping, clean removal of dirt, etc complete and including necessary plaster of paris, putty, wherever required including cost and conveyance of all materials etc.and all labour charges etc.complete as per Standard specification and as directed by the departmental officers. **TNBP No:66-A (Sl.No.358)**

1.40	lit	Plastic Emulsion paint (First quality)	292.70	1lit	409.78
0.98	lit	Primer for Plastic Emulsion paint	146.10	1lit	143.18
2.20	Nos	Painter I Class	688.00	1NO	1513.60
LS		sundries for brushes, sand paper,putty etc			3.44
					2070.00

Rate for 1 m2 207.00

19. Painting two coats over new iron work with ready mixed paint of approved quality and colour including cost of all materials and labour charges etc complete as per SS

2.22	lit	Synthetic Enamel paint for Iron work	225.40	1lit	500.39
1.10	No	Painter I class	688.00	1NO	756.80
		sundries for brushes			2.81
		total		10m2	1260.00

Rate for 1 m2 126.00

20. Supplying and fixing **Door shutters with Medium Density Fibre Board** of exterior grade both sides laminated 35 mm thick conforming to IS 12406/1969 with 35x12 mm Teak wood lipping on all edges with dried soft wood. The rate includes cost of materials, cost of aluminium furniture fittings such as 6 Nos of aluminium hinges 125mm, 1 No Aldrop 250x16 mm, 1 No Tower Bolt of 225mm and 1 No tower bolt of 150mm, 2 Nos handles, 1 No Rubber push, and 1 No Door stopper in case of double leaf door and 3 Nos of Alu Hinges 125 mm, 1 No Aldrop 250x16mm, 1 No Tower Bolt 225mm, 1 No Tower Bolt 150mm, 2 Nos Alu Handle 1 No door stopper, 1 No Rubber Bush, in case of single leaf door. Ther rate is inclusive of labour for fixing in position complete complying with standard specification.

Consider door size 1.00 x 2.10

Shutter area $0.91 \times 2.05 = 1.87 \text{ m}^2$

T.W. lipping required: $1 \times 2 (0.91 + 2.05) = 5.92 \text{ RM}$

1.87	m ²	MDF board 35 mm thick	2160.00	m ²	4039.20
5.92	RM	TW lipping 35x12 mm	38.70	RM	229.10
1.87	m ²	Labour for fixing	1105.00	m ²	2066.35
LS		5% wastage MDF board	LS		201.96
3	Nos	Alu. Hanger with hylon washer (125x30 mm)	83.00	Each	249.00
1	No	250 mm Alu. Aldrop	167.60	Each	167.60
1	No	225 mm Tower bolt	90.60	Each	90.60
1	No	150 mm Tower bolt	60.00	Each	60.00
2	Nos	Handle 200 mm lmg	153.60	Each	307.20
1	No	Stopper	45.90	Each	45.90
LS		Metal scherew, Adhesire nails	LS	LS	20.09
					7477.00
			Total per m²	3998.40	

21. Solid PVC door shutters using 19 Gauge 19mm MS square tubes for styles and outer frames. 15mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC sheets. Shutter using 5mm thick solid PVC sheets for panelling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mm x 30mm. The over all size of top rail, Lock rail and bottom rail shall be 75mm x 30mm. The over all size of frames shall be 50mm x 45mm, with suitable rabate for housing the shutter.

As per Schedule Item No.96 A (Solid panel PVC door with frame) m2 **3167.00**

22. UPVC window

Item	Unit	Rate (in Rs.)
UPVC Window: Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with spag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and	/ m2	7126.00

silicon packing all round the frames. The window should be got approved from the		
--	--	--

23. UPVC Ventilator

Item	Unit	Rate (in Rs.)
UPVC Ventilator: Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Louvered Ventilators of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with all over the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work	/ m2	7720.00

24. Supplying & Fixing in position of white glazed Indian type water closet with 'P' (or) 'S' trap and Orissa slope set in brick jelly cement concrete 1:4:8 100mm thick using 20mm thick brick jelly ISS gauge and finished to sludge out any leakage and defalut including cost of WC 'P' (or) 'S' trap and foot rest etc., complete - 1No.

Main data

1.00	No	Supplying of 20" WC (colour) with 'P' (or) 'S' trap	1519.00	1no	1519.00
1.00	No	100 mm Dia Stone Ware Pipe 0.60 m long	62.80	0.60Rm	62.80
0.45	m3	Sand for filling	1337.95	m3	602.08
0.11	m3	Brick jelly lime concrete 1:2:5	3479.90	m ³	382.79
1.00	Nos	Plumber I class	747.00	Each	747.00
0.25	Nos	Plumber II class	724.00	Each	181.00
1.00	Nos	Mason I class	861.00	Each	861.00
1.00	Nos	Mazdoor I class	562.00	Each	562.00
1.00	kg	White cement	22.40	1kg	22.40
6.00	kg	cement	5.96	1kg	35.76
400.00	gr	Spun yarn	13.00	100 gram	20.00
		Sundries for finishing		L.S.	0.17
				1 No.	4996.00

Rate for Each = Rs 4996.00

25. Supplying and fixing in position colour European water closet with low level flushing tank of 10 lit capacity of best quality and approval make with 100mm 'p' or 's' trap with double flapped rigid PVC seat cover with CP brass etc. Complete complying with standard specifications and as directed by the department officers (EWC should got approval by the executive work before use on work.)

Sub-Data

1.00	Set	Cost of colour glazed European Water Closet with 10 litres capacity PVC flushing tank with all accessories	3450.00	Nos.	3450.00
0.50	Nos.	Mason II Class	804.00	Each	402.00
0.50	Nos.	Plumber I Class	747.00	Each	373.50
0.10	Nos.	Plumber II Class	724.00	Each	72.40
1.00	Nos.	Mazdoor I Class	562.00	Each	562.00
0.50	Nos.	Mazdoor II Class	461.00	Each	230.50
1.00	Kg.	White cement	22.40	Kg.	22.40
6.00	Kgs.	Cement	5960.00	Kgs.	35.76
400.00	gram	Spun yarn	13.00	kg	5.20
4.00	Nos.	TW plugs (50 x 50 x 100mm)	5.35	Each	21.40
4.00	Nos.	Brass screws (75 x 10mm)	4.84	Each	19.36
Total (A)					5194.52

White glazed European Water Closet with 10 litre capacity PVC flushing tank fixed on to wall

1.00	Set	Rate as above (A)	5194.52	Set	5194.52
Fixing charges for flushing tank					
0.30	Nos.	Plumber I class	747.00	Each	224.10
0.30	Nos.	Mason II Class	804.00	Each	241.20
0.60	Nos.	Mazdoor I Class	562.00	Each	337.20
2.00	Nos.	TW plugs	1.07	Each	2.14
2.00	Nos.	Brass screws	2.39	Each	4.78
2.00	Kg.	White cement	22.40	Kg.	44.80
10.00	gram	Shellac	18.30	100 gms.	1.83
0.50	Nos.	Thread ball	3.57	Each	1.79
Total / 1 No.					6052.36
or say (B)					6053.00

26. Supplying and fixing in position best quality and approved make Indian made white / colour glazed earthenware wash hand basin of size 550 x 400mm (with pedestal / without pedestal) with a pair of cast iron brackets, including cost 15mm dia brass CP pillar tap, 32mm dia "B" class GI waste pipe with rubber plug and chain, 15mm dia GM wheel valve, 15mm brass nipple, 15mm dia nylon connection, 32mm dia CP brass waste coupling including fixing of wash basin using CI brackets on to the wall in position with TW plugs and screws, rubber washers, white lead and giving necessary water supply connection and painting the brackets with two coat of painting over a priming coat of anti-corrosive paint including testing for leakages etc., complete complying with standard specification and as directed by the departmental officers. (The wash hand basin and specials should be got approved by the Executive Engineer before use on works).

With Pedestal					
1.00	Set	Cost of colour glazed earthenware wash hand basin with pedestal, One pair of cast iron brackets, One No. 15mm dia brass CP pillar tap, One No. 32mm dia "B" class GI waste pipe with rubber plug and chain, One No. 15mm dia GM wheel valve, One No. 15mm brass nipple, One No. 15mm dia nylon connection, One No. 32mm dia CP brass waste coupling	2453.00	Set	2453.00
1.00	Nos.	Plumber I Class	747.00	Each	747.00
0.10	Nos.	Plumber II Class	724.00	Each	72.40
0.50	Nos.	Mason I Class	861.00	Each	430.50
1.00	Nos.	Mazdoor I Class	562.00	Each	562.00
6.00	Nos.	Teak wood plugs	1.07	Each	6.42
6.00	Nos.	38mm Brass screws	2.39	Each	14.34
10.00	gram	Shellac	18.30	100 gms.	1.83
0.25	Nos.	Thread ball	3.57	Each	0.89
Total / 1 No.					4288.38
or say					4289.00

27. Electrical items (Electrical data 2021-2022)

Item	Unit	Rate (in Rs.)
Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires in flush with wall with 3mm thick hylum sheet cover with TW switch box and 5A FT switch and making good of the concealed portion with suitable colour for PVC concealed light / fan Point (for electronic regulator) (5 points per coil) (SD-25)	/ No	1886.00
Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires in flush with wall with 3mm thick hylum sheet cover with TW switch box	/ No	1583.00

Item	Unit	Rate (in Rs.)
and 5A FT switch and making good of the concealed portion with suitable colour for PVC concealed light (6 points per coil) (for rooms like bath, toilet & pumproom, etc.) (SD-26)		
Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush with wall with 150mm x 100mm x 113mm TW switch box with 3mm thick hylem sheet cover for 5A 3 pin non inter locking wall socket with 5A flush type switch with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour for concealed PVC plug point (SD-38)	/ No	1401.00
Wiring with 2 x 4 sq.mm. (56 / 0.3) PVC insulated single core unsheathed copper conductor cable of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush with wall with 150mm x 100mm x 113mm TW switch box with 3mm thick hylem sheet for 15A 3 pin non inter locking wall socket with 15A flush type switch with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour for concealed power plug point (SD-40)	/ No	1765.00
Supply and fixing of 1200mm (48") sweep AC ceiling fan complete with stepped electronic 300W regulator with 1 metre down rod with fan clamp with side plates and cross arm of size 450mm (18") (SD-106)	/ No	2297.00
Supply and fixing of 300mm (12") sweep (light duty) AC exhaust fan complete with necessary wall opening and making good of the wall. (SD-114)	/ No	2148.00
4' 18W Crystal Glass LED Tube Light Fitting (Electrical data 2021-2022)	/ No	388.00
Supply and fixing of TNEB meter board suitable for 3 phase 200A service connection made up of suitable angle iron frame work of size 3 feet x 2 feet using angle iron of size 1-1/2" x 1-1/2" x 1/4" rigidly fixed on wall covered with hylem sheet of size 3 feet x 2 feet of 12mm thickness with necessary bolts and nuts supports and supply and fixing of 3 Nos. 200A fuse units (500V), 1 No. Neutral link, copper earth flat of size 1" x 1/4" with inter connection of EB meter to fuse units by 19/16 PVC insulated copper wire with earth connection complete. (SD-131)	/ No	7787.00
Supply and run of 2 of 6 sq.mm. (84 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V on 7 / 20 GI bearer wire for service connection mains (SD-66)	/ m	162.00
Supply and run of 1 of No.8 SWG GI wire for earth connection (SD-74)	/ No	24.00

KALLUKOOTTAM TOWN PANCHAYAT SCHEDULE - A

Schedule of rates and approximate quantities

a) The quantities here given are those upon which the estimate cost of the work is based but they are subject to alterations, commissions, deduction or additional as provided for in the conditions of this contract and do not necessarily show the actual quantities of work to be done. The unit rates notes below are those government payment for extra or deductions of commission according to the condition of the contract set forth in the payment preliminary specification of the Madras standard specification read with the Town Panchayat councils adaptation from and other conditions or specification of this contract and subject to the accepted tender percentage either below, above or at estimate rates as defined in the tender and as shown at the end of Schedule "A".

b) It is expressly understood that measured work is to be taken net-notwithstanding any custom to practice to the contrary according to actual quantities when in the place and finished according to the drawings or as may be ordered from time by the Assistant Executive Engineer at the cost calculated by measurement or weight at the respective prices with out any additional charge for any necessary or contingent works connected herewith. The rates quoted are for works In-SITE and completed in every respect.

c) The material required for the works must be supplied by the contractor and of the approved quality.

Name of work: Construction of Health Sub Center at Udayarvilai village Survey No. 794/12 in Kallukoottam Town Panchayat

Estimate amount: Rs. 30.00 Lakhs

Bid value: Rs. 29.69 Lakh

EMD: Rs. 30,000/-

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
1	154.00	m ³	Earthwork excavation in all soils and sub soils except hard rock requiring blasting with initial lead and lift including re-filling the sides of foundation in layer of 15 cm thick watering , ramming ,depositing the surplus earth in the premises as directed by departmental officers etc., complete as per SS 20 B TNDSS NO: 23&24VI (S2), VII 9,10.	TNDSS NO: 23&24VI (S2), VII 9,10.			1.00m ³ (One Cubic Metre)	

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
2	8.00	m ³	Supply, collection and filling of Gravel from approved quarry including all cost and conveyance to site, stacking them on road side to departmental gauge for the take premeasurement. Each layer not more than 15cm thick and consolidation properly etc complete. TNDSS No : 301 & 305	TNDSS No : 301 & 305			1.00m ³ (One Cubic Metre)	
3	41.00	m ³	Refilling the basement with excavated earth other than sand complying the standard specification				1.00m ³ (One Cubic Metre)	
4	21.00	m ³	Plain cement concrete Using 1:4:8 mix (One cement , four Sand and Eight aggregates) using 40 mm ISS HBG metal including cost and conveyance of all materials to work site and all labour charges for mixing, laying,consolidating and curing etc complete as per the standard specifications. TNDSS NO: 28 V, VI (S2) V,VI (S5A) VII	TNDSS NO: 28 V, VI (S2) V,VI (S5A) VII			1.00m ³ (One Cubic Metre)	
5			Brick work in cement mortar 1:5 mix using (One cement and five sand) using best quality of III class Country bricks of size (8 3/4"x4 1/4"x 2 3/4") for foundation including curing cost and conveyance of all materials to site and all labour charges etc., complete as per standard specification TNDSS specification No.31 & 31C.					
	18.97	m ³	Upto Basement	TNDSS specification No.31 & 31C.			1.00m ³ (One Cubic Metre)	
	44.19	m ³	Above Basement	TNDSS specification No.31 & 31C.			1.00m ³ (One Cubic Metre)	

f corrections:

<http://townpanchayats.tn.gov.in/tender>

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
6	4.16	m ³	Brick work in cement mortar 1:3 mix using (One cement and three sand) using best quality of III class Country bricks of size (8 3/4"x4 1/4"x 2 3/4") for foundation including curing cost and conveyance of all materials to site and all labour charges etc., complete as per standard specification TNDSS specification No.31 & 31C.	TNDSS specification No.31 & 31C.			1.00m ³ (One Cubic Metre)	
7			Supplying and erecting steel centering for sides and soffits including supports and strutting upto 3.29 m height for plain surface as RCC slabs, rectangular tee (or) elbeams, lintel, bed block stair case waist slab, landing slab, etc., complete as per standard specification - 10m ² as per TNDSS & Morth specification No:30 & 36					
	112.09	m ²	Below Basement	TNDSS & Morth specification No:30 & 36			1.00m ² (One Square Metre)	
	261.91	m ²	Ground level to basement	TNDSS & Morth specification No:30 & 36			1.00m ² (One Square Metre)	
8			Reinforced cement concrete 1:11/2:3 (one cement one and half sand and three aggregate) using 20mm size I.S.S. metal including cost conveyance of materials to site and all labour charges etc., mixing laying consolidating curring etc., but excluding cost of steel etc., complete as per standard specification as per TNDSS NO: 30 V,VI (S3) VII-3					

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
	24.41	m ³	Below Basement	TNDSS NO: 30 V,VI (S3) VII-3			1.00m ³ (One Cubic Metre)	
	30.66	m ³	Basement to Ground floor	TNDSS NO: 30 V,VI (S3) VII-3			1.00m ³ (One Cubic Metre)	
9	6000.00	Kg	Supplying, fabricating and placing in position of mild steel or TMT rods, including cost of steel and binding wire and all labour charges for cutting, bending, tying and placing in position etc, complete as per SS. TNDSS NO: 97 V,VI (S6) VII (S6) VII-3	TNDSS NO: 97 V,VI (S6) VII (S6) VII-3			1.00 Kg (One Kilo gram)	
10	6.61	m ³	Weathering course with concrete broken brick jelly 20mm size in pure slacked lime (no sand to be added) over roof slab the proportion of brick jelly to lime being 32 to 12.5 well beaten with wooden beaters for giving required slope and thickness as directed by the departmental officers.				1.00m ³ (One Cubic Metre)	
11	96.18	m ²	Terrace flooring with Hydraulic pressed tiles of size 20*20*2cm laid in c.m 1:3 (one cement three sand) mixed with crude oil 10 %, by weight of cement and pointed with same oiled mortar etc complete as per SS				1.00m ² (One Square Metre)	

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
12	97.87	m ²	Paving the floor with Plain/Design Ceramic tiles (Colour and shade as directed) of Stain Free Nano Polish Vitrified Tiles of size 600 x 600 x 8mm in all floors over a base layer of cm 1:3 mix 20mm thick laid in situ and pointed with same coloured cement (white cement mixed with colouring pigment) neatly and fixed in position so as to make it perfectly smooth and shining,to the alignment etc.complete complying with standared specifications and as directed by the departmental officers. The sample colour and shade of the ceramic tiles should be got approved from the departmental officers before use in the works				1.00m ² (One Square Metre)	
13	10.80	m ²	Granolithic Floor finishing with Cement Concrete 1:2:4 (One part of cement, two parts of sand and four parts of ISS HBG metal) mix using 10mm to 12mm ISS size HBG metal to 25mm thick including cost and conveyance of all materials etc.and all lobour charges etc.complete as per Standard specification and as directed by the departmental officers. TNBP No:39-F (20mm thick)				1.00m ² (One Square Metre)	
14	4.05	m ²	Paving the flooring with special type of flooring tiles (Cement based Hydraulically pressed Anti skid tiles (20mm thick) in CM 1:3, 20mm thick				1.00m ² (One Square Metre)	

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
15	25.10	m ²	Dadoing with glazed tiles of 300mm*200mm*6mm size of approved quality and colour set in c.m 1:2mix (one cement and two sand) 10 mm thick and pointing with white cement using 0.4 kg /m2 neatly as directed - including cost of all materials and labour charges etc complete as per SS				1.00m ² (One Square Metre)	
16	12.00	m	Providing and fixing 4" dia PVC rain water down fall pipes with necessary PVCshoes, pvcbends, other specials clamps, screws, nails, teekwood plucks etc, complete including cost of all materials and labour charges as per SS. for 110mm dia pipe 4 kg. per cm2				1.00m (One Metre)	
17	573.92	m2	Plastering in cement mortar 1:5 (one cement, five sand) using 12mm thick including cost and conveyance of all materials and labour charges etc, complete as per standard specification. TNDSS NO: 61 V,VI (S4)	TNDSS NO: 61 V,VI (S4)			1.00m ² (One Square Metre)	
18	87.42	m ²	Plastering in cement mortar 1:3 (one cement three sand) using 10mm thick including cost and conveyance of all materials and labour charges etc, complete as per standard specification. [MoRTH Specification: Clause:1000/1300]	MORTH Specification: Clause: 1000/1300			1.00m ² (One Square Metre)	

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
19	661.34	m ²	Painting two coats with ready mixed Plastic Emulsion Paint S.I.358 Plastic emulsion paint of approved quality and colour over a priming coat, including thorough scraping, clean removal of dirt, etc complete and including necessary plaster of paris, putty, wherever required including cost and conveyance of all materials etc.and all labour charges etc.complete as per Standard specification and as directed by the departmental officers. TNBP No:66-A (Sl.No.358)	TNBP No:66-A (Sl.No.358)			1.00m ² (One Square Metre)	
20	77.64	m ²	Painting two coats over new iron work with ready mixed paint of approved quality and colour including cost of all materials and labour charges etc complete as per SS				1.00m ² (One Square Metre)	

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
21	8.40	m ²	Supplying and fixing Door shutters with Medium Density Fibre Board of exterior grade both sides laminated 35 mm thick conforming to IS 12406/1969 with 35x12 mm Teak wood lipping on all edges with dried soft wood. The rate includes cost of materials, cost of aluminium furniture fittings such as 6 Nos of aluminium hinges 125mm, 1 No Aldrop 250x16 mm, 1 No Tower Bolt of 225mm and 1 No tower bolt of 150mm, 2 Nos handles, 1 No Rubber push, and 1 No Door stopper in case of double leaf door and 3 Nos of Alu Hinges 125 mm, 1 No Aldrop 250x16mm, 1 No Tower Bolt 225mm, 1 No Tower Bolt 150mm, 2 Nos Alu Handle 1 No door stopper, 1 No Rubber Bush, in case of single leaf door. Ther rate is inclusive of labour for fixing in position complete complying with standard specification.				1.00m ² (One Square Metre)	
22	6.30	m ²	Solid PVC door shutters using 19 Gauge 19mm MS square tubes for styles and outer frames. 15mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC sheets. Shutter using 5mm thick solid PVC sheets for panelling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mm x 30mm. The over all size of top rail, Lock rail and bottom rail shall be 75mm x 30mm. The over all size of frames shall be 50mm x 45mm, with suitable rabate for housing the shutter.				1.00m ² (One Square Metre)	

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
23	18.72	m ²	UPVC Window: Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with spag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The window should be got approved from the				1.00m ² (One Square Metre)	

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
24	1.62	m ²	UPVC Ventilator: Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Louvered Ventilators of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with all over the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work				1.00m ² (One Square Metre)	
25	2	Nos	Supplying & Fixing in position of white glazed Indian type water closet with 'P' (or) 'S' trap and Orissa slope set in brick jelly cement concrete 1:4:8 100mm thick using 20mm thick brick jelly ISS gauge and finished to sludge out any leakage and defalut including cost of WC 'P' (or) 'S' trap and foot rest etc., complete				1 No (One Number)	
26	2	Nos	Supplying and fixing in position colour Europen water closet with low level flushing tank of 10 lit capacity of best quality and approvel make with 100mm 'p' or 's' trap with double flapped rigid PVC seat cover with CP brass etc. Complete complying with standard specifications and as directed by the department officers (EWC should got approvel by the executive work before use on work.)				1 No (One Number)	

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
27	4	Nos	Supplying and fixing in position best quality and approved make Indian made white / colour glazed earthenware wash hand basin of size 550 x 400mm (with pedestal / without pedestal) with a pair of cast iron brackets, including cost 15mm dia brass CP pillar tap, 32mm dia "B" class GI waste pipe with rubber plug and chain, 15mm dia GM wheel valve, 15mm brass nipple, 15mm dia nylon connection, 32mm dia CP brass waste coupling including fixing of wash basin using CI brackets on to the wall in position with TW plugs and screws, rubber washers, white lead and giving necessary water supply connection and painting the brackets with two coat of painting over a priming coat of anti-corrosive paint including testing for leakages etc., complete complying with standard specification and as directed by the departmental officers. (The wash hand basin and specials should be got approved by the Executive Engineer before use on works).				1 No (One Number)	
28	10	Nos	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires in flush with wall with 3mm thick hylum sheet cover with TW switch box and 5A FT switch and making good of the concealed portion with suitable colour for PVC concealed light / fan Point (for electronic regulator) (5 points per coil) (SD-25)				1 No (One Number)	

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
29	10	Nos	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires in flush with wall with 3mm thick hylum sheet cover with TW switch box and 5A FT switch and making good of the concealed portion with suitable colour for PVC concealed light (6 points per coil) (for rooms like bath, toilet & pumproom, etc.) (SD-26)				1 No (One Number)	
30	10	Nos	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush with wall with 150mm x 100mm x 113mm TW switch box with 3mm thick hylem sheet cover for 5A 3 pin non inter locking wall socket with 5A flush type switch with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour for concealed PVC plug point (SD-38)				1 No (One Number)	

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
31	4	Nos	Wiring with 2 x 4 sq.mm. (56 / 0.3) PVC insulated single core unsheathed copper conductor cable of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush with wall with 150mm x 100mm x 113mm TW switch box with 3mm thick hylem sheet for 15A 3 pin non inter locking wall socket with 15A flush type switch with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour for concealed power plug point (SD-40)				1 No (One Number)	
32	10	Nos	Supply and fixing of 1200mm (48") sweep AC ceiling fan complete with stepped electronic 300W regulator with 1 metre down rod with fan clamp with side plates and cross arm of size 450mm (18") (SD-106)				1 No (One Number)	
33	5	Nos	Supply and fixing of 300mm (12") sweep (light duty) AC exhaust fan complete with necessary wall opening and making good of the wall. (SD-114)				1 No (One Number)	
34	10	Nos	4' 18W Crystal Glass LED Tube Light Fitting (Electrical data 2021-2022)				1 No (One Number)	

Sl. No.	Probable Qty. in figures		Description of Work	TNDSS & MORTH Specification No.	Rate in		Per Unit	Amount
					Figures	Words		
35	2	Nos	Supply and fixing of TNEB meter board suitable for 3 phase 200A service connection made up of suitable angle iron frame work of size 3 feet x 2 feet using angle iron of size 1-1/2" x 1-1/2" x 1/4" rigidly fixed on wall covered with hylem sheet of size 3 feet x 2 feet of 12mm thickness with necessary bolts and nuts supports and supply and fixing of 3 Nos. 200A fuse units (500V), 1 No. Neutral link, copper earth flat of size 1" x 1/4" with inter connection of EB meter to fuse units by 19/16 PVC insulated copper wire with earth connection complete. (SD-131)				1 No (One Number)	
36	20	Nos	Supply and run of 2 of 6 sq.mm. (84 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V on 7 / 20 GI bearer wire for service connection mains (SD-66)				1 No (One Number)	
37	10	Nos	Supply and run of 1 of No.8 SWG GI wire for earth connection (SD-74)				1 No (One Number)	

Note: Thirty seven items only