

KALAINAR NAGARPURA MEMBADU THITTAM SCHEME 2022-2023

Omalur Selection Grade Town Panchayat

Tender Notice

Construction of Modern LPG Gasifier Crematorium at Salem main road (Survey No.68) in Omalur Town Panchayat.

Form of contract: Item rate (Two cover system)

1. Bids are invited in package for the by Tender Inviting Authority (Executive Officer), Omalur Selection Grade Town Panchayat of Tamil Nadu in Two cover system for

“Construction of Modern LPG Gasifier Crematorium at Salem main road (Survey No.68) in Omalur Town Panchayat”.

The bid documents will be available from **29.06.2022** The bid document can also be downloaded from the website <https://tntenders.gov.in> and <https://www.tenders.tn.gov.in> free of cost upto **5.00 PM** on **18.07.2022** Online submission of tender will also be accepted.

2. Amount of Earnest Money Deposit will be 2% 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 Panchayat.
5. Important dates

1	Date and time of Pre bid meeting	11.07.2022 AT 11.00 AM
2	Last date and time for downloading bid documents	18.07.2022 AT 3.00 PM
3	Last Date and time for submission of bid document, including online submission	19.07.2022 AT 3.00 PM
4	Date and time of opening of the Technical Bid	19.07.2022 AT 3.30 PM

7. 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.
8. Other details can be seen in the bid documents.

Executive Officer,
Omalur Town Panchayat,
Salem District.

Tender Document

KALAIgnAR NAGARPURA MEMBADU THITTAM SCHEME 2022-2023

TECHNICAL BID

Omalur Selection Grade Town Panchayat

NAME OF THE WORK : **(Package No:I)** Construction of Modern LPG Gasifier Crematorium at Salem main road (Survey No.68) in Omalur Town Panchayat

E.M.D.AMOUNT : Rs. : **269400**

PERIOD OF DOWN LOADING OF BID DOCUMENT : **UPTO 3:00 PM, date. 18.07.2022**

LAST DATE AND TIME FOR RECEIPT OF BID : **DATE 19.07.2022 TIME : 3.00 PM**

TIME AND DATE OF OPENING OF BIDS : **DATE 19.07.2022 TIME : 3.30 PM**

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

OFFICER INVITING BIDS : Executive Officer
Omalur 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 2% 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 I 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 2017-2018 to 2021-2022) 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 2019-2020 to 2021-2022) enclosed?	YES / NO
5	4.1.A.4	Whether proof for having satisfactorily completed Building not less than 50% of the value put to tender under a " single agreement " in any one of the preceding three years (2019-2020 to 2021-2022) 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 Notarized?	YES/NO
8	4.1.C & D	Whether the proof/details of availability of Contractor's Major Equipment's proposed for carrying out the works enclosed? [If the contractor for Building works not own Mixer Machine, Vibrator and steel Centering materials, lease agreement as prescribed in tender document	YES/NO
9	General	Whether the latest GST Clearance ?	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 Modern LPG Gasifier Crematorium at Salem main road (Survey No.68) in Omalur Town Panchayat”	
		Bid Reference No.78/2022/A1 DO NOT OPEN BEFORE 3.30 PM on Date <u>19.07.2022</u>	

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.

Bidder's Signature

INVITATION FOR BID
(IFB)

SECTION -1

INSTRUCTIONS TO BIDDERS (ITB)

SECTION -1

INSTRUCTIONS TO BIDDERS (ITB)

Table of Clauses

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			

Bidder's Signature

A. General

1. Scope of Bid

- 1.1** The Executive Officer, Omalur 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 "KNMT SCHEME 2022-2023"

- Government of Tamil Nadu have allotted funds for **Construction of Modern LPG Gasifier Crematorium at Salem main road (Survey No.68) in Omalur Town Panchayat., (Package No:I)** of Omalur Town Panchayat.

3. Eligible Bidders

- All bidders shall furnish their qualification details in Section 3 based on which eligibility will be decided
- 3.1** Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices.
 - 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 I contractor**, currently registered with any State Government Department/Board/Government Undertaking for the packages having value up to 50% Package Value and at least a CLASS I contractor for the packages having value of more than 50%
 - 2) The Applicants should have been in the Civil Engineering Construction field at-least for the past Five years. (2017-2018 to 2021-2022).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 (2019-2020 to 2021-2022)
 - 4) Satisfactorily completed Building not less than 50% of the value put to tender under a "**single agreement**" in any one of the preceding 'three" years (2019-2020 to 2021-2022) 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 equipment's Tools and Plants exclusively available for this work. – (Either own or under lease with the applicant)

For Building works

SI No	Equipment	Capacity	Nos
1	JCB Mini Excavator	1 No	1
2	Ajax self Lodder	1 No.	2
3	Concrete Pump	1 No	3
4	Concrete Vibrator with Needle	2 Nos.	4
5	Excavator (Earth Movers)	1 No.	5
6	Water Lorry	1 No.	
7	Tipper Lorry	2 Nos.	6
8	Steel Centering Materials	1000 sqm	
9	Shutter Props 4 M Length	1000 No	7

D) Evidence to be produced:

- i. OWNERSHIP of the Concrete Mixer Machine or its LEASE from a lawful owner for use at any time during the period of contract for paver block roads is a must. The bidder, who is owner of Concrete Mixer Machine, 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 Executive Engineer of Town Panchayat 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 Mixer machine or lease from a lawful owner
- ii. The bidder should either furnish proof of ownership or its LEASE from a lawful owner for use at any time during the period of contract for Building work of a Steel Centering Materials, Vibrator with Needle, Tipper Lorry Vibrator Roller for the supply of material sand Water Lorry 25 Tone Crane for the supply of water required for the contract shall be delivered at the work site.
- iii. Sworn in Affidavit and Chartered Accountant's Certificate stating the details of equipment's, 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 Ready mix plant and Paver Block 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

7. 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.

8.2 The Executive Officer will hold pre bid meeting for the work. Clarification can also be obtained during the meeting to be held on **11.07.2022 at 11:00 AM** at the Omalur Town Panchayat Office.

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 be 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 19.20 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 crore 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

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 Demand Draft Drawn in favour of **Executive Officer, Omalur Town Panchayat payable at the place of Town Panchayat** EMD remitted in any other form will not be accepted.

- 15.1** 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.
- 15.2** 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.
- 15.3** 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.
- 17.4** E-Submission of tender is also accepted.

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 super scribed as "Technical Bid". Another cover containing the duly filled in tender schedule shall be super scribed as "Price Bid". Both these covers shall be put in a single big envelope and shall be submitted.

The Cover super scribed 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 "un opened".

18.2 The **inner and outer** envelopes shall

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

- (b) bear the following identification:

- **"Construction of LPG Crematorium at Ward No.3 Mayanam street (Survey No.575)in Omalur Town Panchayat.,**
- Bid Reference 114/2022
- **DO NOT OPEN BEFORE 3.30 PM on 19.07.2022**

- 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.

Bidder's Signature

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 19.07.2022**. In the event of the specified date for the submission of bids is declared a holiday, the Bids will be received up to 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

The **Tender Inviting Authority(Executive officer)** will open all the Technical Bids, 1st 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 19.07.2022** 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:

Bidder's Signature

- (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

Bidder's Signature

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 anything 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/nicgep/>
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.

Bidder's Signature

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 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 **19.07.2022_**
21. Tenders will be opened by the Tender inviting authority (Executive officer) or his authorized officer(s) at **3.30 P.M. on 19.07.2022** in the presence of tenderers or their authorized representatives if any & members of Tender Scrutiny Committee.

Bidder's Signature

SECTION 2

ADDITIONAL CONDITIONS OF CONTRACT

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	20	23	Identifying Defects	24
2	Interpretation	21	24	Tests	25
3	Language and Law	21	25	Correction of Defects	25
4	Engineer's Decisions	21	26	Uncorrected Defects	25
5	Delegation	21		D. Cost Control	
6	Communications	22	27	Bill of quantities	25
7	Other Contractors	22	28	Payments	25
8	Personnel	22	29	Tax	25
9	Employer's and Contractor's Risks	22	30	Currencies	25
10	Employer's Risks	22	31	Retention	26
11	Contractor's Risks	22	32	Liquidated damages	26
12	Contractor to construct the works	22	33	Cost of Repairs	26
13	The works to be completed by the intended completion date	22		E. Finishing the contract	
14	Approval by the Assistant Engineer/Junior Engineer	23	34	Completion	26
15	Safety	23	35	Taking Over	26
16	Discoveries	23	36	Termination	26
17	Access to the site	23	37	Payment upon Termination	27
18	Instructions	23	38	Property	27
	B. Time Control		39	Force Majeure Event	27
19	Program	23	40	Legal Provisions	27
20	Delays ordered by the Employer	24	41	Caution boards	27
21	Management Meetings	24	42	Tender Transparency Act	27
22	Early Warning	24			

Bidder's Signature

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 BT roads 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 KNMT SCHEME 2022-2023 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.

Bidder's Signature

The **Site** is the area defined as the road 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).

Bidder's Signature

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 Cement Concrete 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 6th month, and
- b. Work should be completed in all respects by the end of the 12month.

In case of Buildings, the following milestones have to be met

- c. Minimum one third of the value of work should be completed by the end of the 6th month, and
- d. Work should be completed in all respects by the end of the 12 month.

Bidder's Signature

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 12Months 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.

Bidder's Signature

- 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.

Bidder's Signature

27. Correction of Defects

- 27.1 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.
- 27.2 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.

28. 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

29. 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.

30. 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 (1 year for building). 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.,

- a. Work should be completed in all respects by the end of the 6 month.

In case of Buildings, the following milestones have to be met

- a. Minimum one third of the value of work should be completed by the end of the 3th month, and
- b. Work should be completed in all respects by the end of the 6 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 30 days after the 6 months 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 ROAD CLOSED"

Warning Notice shall be placed at points in the neighborhood of the work where other 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 Equipment's |
| 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.	:	

Bidder's Signature

ANNEXURE “B”

FINANCIAL CAPABILITY

1	Name and address of the Applicant	:			
2	Income Tax Permanent Account No. C.I. H. No.	:			
3	TIN Number	:			
4	Annual turnover as per Income Tax returns filed for the past five years	:	TAX YEAR	Figures (Rs.)	Words (Rs)
		:	2017-2018 2018-2019		
		:	2019-2020		
		:	2020-2021		
		:	2021-2022		
5	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)	:	TAX YEAR	Figures	Words
		:	2017-2018		
		:	2018-2019		
		:	2019-2020		
		:	2020-2021		
		:	2021-2022		
6	Working Capital				
	I. Balance in bank account (Rs.)	:			
	II. Unutilized overdraft / Credit facility in the Nationalized / Scheduled bank (Rs.)	:			

Bidder's Signature

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	Equipment's owned by the Applicant		Equipment's currently under lease, available with the Applicant				Equipment's 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
1	For Building work JCB Mini Excavator	1 No									
2	Ajax self Lodder	1 No.									
3	Concrete Pump	1 No									
4	Concrete Vibrator with Needle	2 Nos.									
5	Excavator (Earth Movers)	1 No.									
6	Water Lorry	1 No.									
7	Tipper Lorry	2 Nos.									
8	Steel Centering Materials	1000 sqm									
9	Shutter Props 4 M Length	1000 No									

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

ANNEXURE "D"

DETAILS OF BUILDING WORK(S) NOT LESS THAN 50% OF THE VALUE PUT TO TENDER UNDER A "SINGLE AGREEMENT" IN ANY ONE OF THE PRECEDING THREE YEARS (2019-20, 2020-21, 2021-22) FOR GOVERNMENT DEPARTMENT/BOARD/GOVERNMENT UNDERTAKING NAME OF BIDDER:

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

32

Bidder's Signature

33

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 Omalur Town Panchayat, Salem 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 Omalur Town Panchayat, Salem 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 Omalur Town Panchayat, Salem 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 Omalur 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 **Construction of Modern LPG Gasifier Crematorium at Salem main road (Survey No.68) in Omalur Town Panchayat** 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					

Bidder's Signature

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

Bidder's Signature

Letter of Acceptance

From

To

Executive officer

Name and Address of the Successful
Bidder

_____ Town Panchayat,

Roc. No.-----

_____ (date)

Sub:- **"Construction of Modern LPG Gasifier Crematorium at Salem main road (Survey No.68) in Omalur Town Panchayat – issue of Letter of Acceptance – Regarding.**

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

This is to notify you that your Bid dated _____ .2022for 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.50/- 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
-----Town Panchayat

Bidder's Signature

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 "**Construction of Modern LPG Gasifier Crematorium at Salem main road (Survey No.68) in Omalur Town Panchayat (Package No: 1)**" [File No.78-2022] (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 related 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 12 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

Bidder's Signature

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 Buildings ,the following milestones have to be met

- a. Minimum one third of the value of work should be completed by the end of the 3 th month, and
- b. Work should be completed in all respects by the end of the 6 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 concrete Mixer Machine. 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 BT 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 30 days after the contract period (6months period), the contract is liable for summary cancellation
- xi. **Defect Liability Period:** The defect liability period is 1 year for the Paver Block roads.

Bidder's Signature

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 _____

Bidder's Signature

Work Order

From

To

Executive officer

_____ Town Panchayat

Name and Address of the Successful
Bidder

Roc. No. _____ (date)

Sub:- **“Kalaingar Nagarpura MempoattuT hittam 2022-2023 - Construction of Modern LPG Gasifier Crematorium at Salem main road (Survey No.68) in Omalur Town Panchayat - issuing of notice to proceed with the work-Regarding.**

Ref:- 1. Your Tender dated on
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 6th month, and
- b. Work should be completed in all respects by the end of the 6 month.

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

- a. Minimum one third of the value of work should be completed by the end of the 3th month, and
- b. Work should be completed in all respects by the end of the 6 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 block Machine and tie up with a wheel paver vibrator machine in respect of the roads. The Ready Mix shall be delivered at the work site. The detailed list of Machineries as detailed in the Tender document shall be made available at the work site.

Bidder's Signature

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 (ie., 1 year for the Building and Paver block Roads and 2 years for the CC Roads). 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 Deptdt.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 30 days after the contract period (6months period), the contract is liable for summary cancellation
11. **Defect Liability Period:** The defect liability period is 1 year for Building works.

Executive officer
Omalur Town Panchayat

Tender Document

“Kalaingar Nagarpura Mempattu Thittam 2022-2023”

Construction of LPG Crematorium

PRICE BID

PACKAGE-1

Omalur Town Panchayat

NAME OF THE WORK : **Construction of Modern LPG
Gasifier Crematorium at Salem
main road (Survey No.68) in
Omalur Town Panchayat**

OFFICER INVITING BIDS : **Executive officer
Omalur 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 Modern LPG Gasifier Crematorium at Salem main road
(Survey No.68) in Omalur Town Panchayat (Package No:I)” in Omalur Town
Panchayat under the “KNMT Fund (2022-2023)”.**
- (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 **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.

OMALUR TOWNPANCHAYAT
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 read with the Town Panchayat councils adaptation form 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 place and finished according to the drawing 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 here with. The rates quoted are for works In-SITE and completed in every respect.

Name of Work : Construction Of LPG Crematorium at Salem main Road SF.No. 68 in Omalur Town Panchayat.

Issued Thiru :
Chalan no. Dt.

Executive Officer
Omalur Town
Panchayat
Salem District

Estimate
Amount Rs. 134.70Lakh

Sl. No.	Probable Qty. in Figures		Description of Work	TNDSS & MORTH Specification No.	Rates in Rupees	Unit	Remarks
					Words		
1			Earth Work Excavation for foundation in all types of soils and sub soils to full depth (such as Soils in Rock / Silt / Light Black Cotton Soil / Ordinary Soil) except in rock requiring blasting but inclusive of shoring, shuttering and bailing out water wherever necessary and refilling the sides of foundation with excavated earth other than sand in layers of 150 mm thick well rammed and consolidated, depositing the surplus earth in places shown by the Departmental Officers with initial lead of 10 m and initial lift of 2 m. Complete as per TNSS 23 & 24, V, VI (S2), VII, 9,10				
1.1	163.00	m3	Soil I depth of 2 mt	TNDSS NO: 23 & 24 VI (S2)		1 m3 (One Cubic Metre)	
1.2	23.00	m3	Soil II depth of 2 mt	TNDSS NO: 23 & 24 VI (S2)		1 m3 (One Cubic Metre)	

2	27.00	m3	Supply delivery and filling of stone dust in Layer of not more than 15cm thick including watering with all layers and consolidation complying with standard specification including cost and conveyance of sand at site and all labour charges and all other incidental charges etc., complete as per Standard Specification TNSS No. 24 & 25.			1 m2 (One Square Metre)	
3	93.00	m3	Plain Cement Concrete of mix 1 : 4 : 8 (One part of Cement four part of sand eight part of aggregates) using 40mm gauge hard broken including cost conveyance of all materials to site including formwork and centering labour charges, transporting and placing in position including shoring, strutting, forming protective bunds, cofferdams bailing out of water labour for mixing compacting, finishing and curing, working at depths, tools and plants and incidental charges such as sheeting, shoring and bracing and their subsequent removal etc., complete as per standard specification. TNDSS NO: 28 V, VI (S2) V,VI (S5A) VII			1 m3(One Cubic Metre)	
4	142.00	m3	Supplying and Filling of U/S Gravel from approved quarry in Layer of not more than 15cm thick including watering with all layers and consolidation complying with standard specification including cost and conveyance of sand at site and all labour charges and all other incidental charges etc., complete as per Standard Specification.			1 m3 (One Cubic Metre)	

5			Supplying and erecting steel centering including necessary supports for plain surfaces for Reinforced Cement Concrete works such as Coloumn footing, Coloumn pedestals, plith beams, grade beams, staircase steps, etc which requires only nominal strutting using mild steel sheet of size 90mm x 60mm and 10Bg stiffened with welded mild steel angles of size 25mm x 25mm x 3mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc complete in all floors Complying with standard Specification without Strutting. (TNSS NO or NBC No 30(S) 86 86 A V, VI(S3)VII				
5.1	376.00	m2	Below Ground Level	TNDSS NO: 28 & VI (S2) VI (S5A) VII		1 m2 (One Square Metre)	
5.2	447.00	m2	Ground Floor	TNDSS NO: 97 V, VI (S6) VII (S6), VII-3.		1 m2 (One Square Metre)	
5.3	222.00	m2	COLUMN			1 m2 (One Square Metre)	

6	11180.00	Kg	Supplying ribbed tor steel rods including cutting cranking fabricating assembling laying in exact position tying with soft steel wire 16 or 18 BWG etc. complete for all RCC Works. as per the design given including cost of steel and binding wire also in all floors as per standard specification. SS86 & 86A, V, VI (S3) (S6) VII.			1 Kg (One Kilo Gramme)	
7			Providing and laying in position, Standardised Concrete Mix M-20 Grade in accordance with IS:456-2000, using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325 kg/m ³ and maximum water cement ratio of 0.55, including admixture (plasticiser / super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5 cu.m.) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 cu.m.) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m.) 7670 kg. of sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards. (No separate payment will be made by the Department for the excess usage of materials).				

7.1	38.00	m3	Below Ground Level			1 m3 (One Cubic Metre)	
7.2	57.00	m3	Ground Floor 0.00 mt to 4.50mt	TNDSS NO: 30 V, VI (S3), VII-3.		1 m3 (One Cubic Metre)	
8	2.00	m3	Reinforced Cement Concrete 1:8:16 (one cement eight fine aggregates and sixteen coarse aggregates) using 20mm size ISS HBG metal including cost and conveyance of all materials to site and including for the mixing, laying and labour charges and all incidental charges such as water providing etc., complete as per standard specification 30 V, VI (S5) VII & 13	TNDSS NO: 30 V, VI (S3), VII-3.		1 m3(One Cubic Metre)	
9			Brick work in CM 1:5 (one cement & five sand) using II class ground moulded bricks of size 9"X43/8"X 23/4" standard specification including finishing, curing,etc., complete complying with standard specification 31 & Similar to 31C V, VI (S5) VII				
9.1	40.00	m3	Below Ground Level	TNDSS NO: 30 V, VI (S3), VII-3.		1 m3 (One Cubic Metre)	
9.2	76.00	m3	Ground Floor	30 V, VI (S5) VII & 13		1 m3 (One Cubic Metre)	

9.3	32.00	m3	First Floor	TNDSS No.31& similar to 31C,V,VI(S5),VII		1 m3 (One Cubic Metre)	
10	19.00	m2	Brick partition walls of 10.80cm thickness using best quality country bricks of size 8-3/4" x 4-1/4" x 2-3/4" in Cement Mortar 1:3 (One Cement and Three Sand) using hoop iron reinforcement if found necessary including curing etc. complete and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)	TNDSS No.31& similar to 31C,V,VI(S5),VII		1 m2 (One Square Metre)	
11	334.00	m2	Special Plastering in Cement Mortar 1:3 Mix (one Cement,, Three sand)10mm thick including cost and conveyance of all materials to site, loading and unloading charges and labour charges for mixing, laying and curing etc. complete. Complying with std. specifications.TNDSS NO: 56, 57			1 m2(One Square Metre)	
12	19.00	m2	Weathering course in brick jelly lime concrete using broken brick jelly of size 20mm uniform gauge in pure slaked lime (no sand to be used) to the proportion of brick jelly to lime being 32:12.5 by volume and laid over the RCC roof slab in a single layer of required slope and finished by beating the concrete with wooden beaters of approved pattern, keeping the surface constantly wet by sprinkling lime jaggery water, etc., complete as per standard specification and as directed by the departmental officers.61 V VI, (VIA) 3	TNDSS No.31& similar to 31C,V,VI(S5),VII		1 m3 (One Cubic Metre)	

13	240.00	m2	Finishing the top of roof with one course of machine pressed tiles of size 200 mm x 200 mm x 20 mm of approved quality in Cement Mortar 1:3 (One Cement add three sand) 12 mm thick mixed with water proofing compound conforming to ISS at 2% by weight of cement used and the joints pointed neatly to full depth of tiles with the same cement mortar mixed with red oxide and water proofing compound including curing etc., complete as per standard specification and as directed by the departmental officers 44 H V, VI, (S5A) VII ,3	TNDSS NO: 56, 57		1 m2 (One Square Metre)	
14	21.00	m2	Paving the floor with pre-polished concrete anti-skid tiles (Required shape and design) of 20mm thick of approved quality and colour laid in Cement Mortar 1:3 (One Cement and Three sand) 20mm thick and pointed with white cement mixed with colouring pigment at the rate of 0.40 Kg. / sq.m., curing, etc., complete complying with standard specification and as directed by the departmental officers. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)	TNDSS No.61,V,VI(S4),III		1 m2(One Square Metre)	

15	188.00	m2	Paving the floor with best approved quality fine polished Kota stone slabs of size 600 x 600 of 18 / 20mm with machine cut edges and matching marble slab not less than 100mm width other than Adanga Marbles as border laid over a cement mortar bed of 20mm thick using cement mortar 1:3 (One cement and three sand) fixing the slabs in true right angles with minimum possible width of joints and pointing the joints with white cement mixed with matching colouring pigments and polishing with floor polisher to a high degree of finish etc., The kota stone slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work, etc., complete as per standard specification. 39 A	TNDSS No.61,V,VI(S4),III		1 m2 (One Square Metre)	
16	78.00	m3	Vibrated Plain Cement Concrete 1:2:4 (one cement, two sand and four hard broken stone jelly) using 20 mm gauge hard broken jelly for flooring including laying, consolidating, finishing, rendering the top surface rough to receive the floor, curing, etc. complete complying with standard specification. (The rate is inclusive of necessary planking for panelling wherever necessary and as directed by the departmental officers 30 V, VI (S5) VII & 13	51 (10-1) V, VI (S5) VII, 3		1 m3 (One Cubic Metre)	
17	1269.00	m2	Plastering in Cement Mortar 1:5 Mix (one part of Cement,, five part of sand)12mm thick including cost and conveyance of all materials to site, loading and unloading charges and labour charges for mixing, laying and curing etc. complete. Complying with std. specifications.TNDSS NO: 56, 57	44 H V, VI,		1 m2(One Square Metre)	

18	1377.00	m2	Supplying and Painting the new plastered walls with two coats of Exterior emulsion paint (weather proof) first class quality and of approved colour over a priming coat including thorough scrapping clean removal of dirt etc. complete and including necessary plaster paris putty etc. wherever required.as per (ISI STD) (It mustprovide excellent resistance against the growth of algae and fungi on the walls. And it must offer excellent protection against alkali and UV degradation and the durability period should be 5 years. 61 V, VI (S4) 3	TNDSS NO: 39A		1 m2 (One Square Metre)	
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19	11.00	m2	<p>Supplying and fixing of rolling shutters shall be pull and push type (Manually operated) made of 18G/3" lath sections which consist of five main parts such as curtain, lock plate, guide channels rollers and hood cover. These five main parts are made out of special components detailed below: curtain shall be of 18G/3" lath sections cut to required size and filled with heavy cast iron / MS clips. For 8'0"(2.45m) high rolling shutter lath sections provided shall be not less than 37 numbers. Lock plate shall be 10G MS sheet and attached to the side brackets with 20mm square bar. Side brackets shall be of 10G MS plate and cast iron "U" clamps shall be rivetted to the side brackets. Roller shall be of heavy cast iron pulleys fitted with heavy duty "C" class 40mm steel pipe and high tensile high carbon coil springs. 2 springs shall be supplied. Side brackets shall be of 10G MS plate and cast iron "U" clamps shall be rivetted to the side brackets. Hood cover shall be of 0.8mm CRCA sheet reinforced with 25mmx25mmx3mm MS angle or gate channel. The rolling shutter in addition to the above should have pulling hook and shall be coated on exposed area with heavy coat of red oxide primer etc., complete.</p>	TNDSS No.61,V,VI(S4),III		1 m2(One Square Metre)	
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20	8.00	m2	Supplying and Fixing Solid PVC door shutters (with frame) using 19Gauge 19mm MS square tubes for styles and other frames. 15mm MS square tubes for top,lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC sheets. Shutters using 5mm thick solid PVC sheet for panelling shall regigly fixed in position including necessary furniture and fittings. The overall size of styles shall be 50mm x 30mm. The overall size of top rail, lock and bottom rail shall be 75mm x 30mm. The overall size of frames shall be 50mm x 45mm, with suitable rabate for housing the shutter. (PWD SOR Page No.43 S.I No.125 a)			1 m2 (One Square Metre)	
21	25.00	m2	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 78mmboth profiles are reinforced with GI/1mm 125GSM and100% corrosion free, the profile are multi chambered sections with wall thick of 2mm. The EPDM rubber (blackcolour) 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 inthe louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round theframes. The ventilator should be got approved from theExecutive Engineer before use on work PWD SOR page No : 66			1 m2(One Square Metre)	

22	21.00	m2	<p>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 25GSM 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 executive Engineer before use on work Page No : 65, sl no : 265</p>			1 m2 (One Square Metre)	
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23	13.00	m2	Supplying & fixing door shutters for Solid Core Flush Shutters with Teak ply on both side with teak wood lipping alround 35mm thick, single leaf confirming to IS:12406/1989 with 35x12mm T.W. Lipping on all edges with necessary adhesives and CP screws complying with standard specifications. The rate is inclusive of three coats of best quality varnish but excluding cost of furniture fittings, such as 300 mm tower bolt 2nos, 200mm towerbolt 1 No. 300mm Aldrop 1 No. Alu handle ornamental type 2 Nos and 1No. Door stopper etc complete. Page No : 42 Sl. No : 121			1 m2(One Square Metre)	
24	27.00	Rm	Supply and fixing of Stainless steel (Salem stainless steel) Door frame (Box section using stainless steel plate of 1.6mm thick) of size 100mm X 60mm with a rebate of 30 / 35mm X 15mm on one side of the frame including supplying and fixing dovetail splayed end stainless steel holdfast etc. PWD SOR Page No: : 44 Sl. no: 131	(TNSS NO or NBC No 61 V VI (54) 3)		1 Rm (OneRunning Metre)	

25	6.00	m2	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick at required locations to a height of 900mm from finished floor level welded to 38mm dia Stainless Steel pipe post of 1.00mm thick as vertical at 900mm centre with 2 Nos. of 25mm dia intermediate horizontal stainless steel pipe of 1.60mm thick in between. The vertical pipe has to be welded to the 100 X 100 X 6mm MS base plate encased in the base concrete. The rate is inclusive of the charges for cutting, bending, welding, grinding, polishing, conveyance, electrical charges, etc. complete PWD SOR Page No: : 57 Sl. no: 131			1 m2 (One Square Metre)	
26	1955.00	Kg	Supply and fixing of M.S Grills for Windows, with one coat of Red oxide Primer including all costs such as welding, grinding and fabrication charges, cost and conveyance of all materials to site etc,complete as per standard specification. including phosphating as per ISI with rust preventive primer & ready to assemble condition for easy installation at site including dismantling making necessary with power drill to the accessories such as supplying and fixing holdfasts, plastic bush inserts receiver runner bottom shock absorbers etc. and Steel Door Complete as Directed by the Departmental Officer.			1 Kg(OneKilo Gramme)	

27	125.00	m2	Painting the new iron works such as steel doors, Windows,Ventilators windows bars,balustrades etc, in all floor with two coats of best approved first quality and colour of synthetic enamel paint of approved quality, colour and brand (to be approved by executive engineer before use on works) over one the existing red oxide priming coat in all floors excluding cost of priming coat etc, complete complying with Standard Specification. (The Make, Quality and colour of paint should be got approved by the engineer in charge before use on works) (TNSS NO or NBC No 61 V VI (54) 3)			1 m2 (One Square Metre)	
28	29.00	m2	Painting new wood work with two finishing coats of synthetic enamel ready mixed paint of approved quality and colour over one coat priming coat in all floors including the cost of primer etc., complete complying with standard specification. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)			1 m2 (One Square Metre)	

29	52.00	m2	Fabricating supplying and fixing of pre painted galvanium iron sheets with the following specification. The materials should be of PPGI tile profile with a red colour or any other approved design 0.47mm thick 24 guage having width 1050 mm. The sheet should be G.I.base pre painted hot dipped galvanized iron sheet and to be fixed with shelf tapping screws,plastic washer.The washer and screws to be fixed by using minute power machine drilled with out damaging the sheets paint coating to be regular modified polyster coat with zinc coating of Z 120 GSM paint thickness the finish should be terra cotta finish like malabar mangalore tiles finish optional matt finish. The sheet to be fixed with making suitable corrugated,cutting the sheet in to the required ssize and making ornamental designs as per the site condition and as directed by the departmental officers.			1 m2(One Square Metre)	
30	32.00	Rm	Supplying and Fixing in position best approved of BIS quality 110mm P.V.C Rain Water down fall pipe having a pressure of 4Kg / Sq.cm including cost of necessary PVC shoe,PVC bend, cast iron gratings of required diameter and special clamps, brass screws, nails etc, and fixing of cast iron gratings at junction of parapet and the RCC roof slab including finishing neatly etc, complete. The rate shall be inclusive of cast of removable cast iron grating. The PVc pipe shall be fixed in wall with special type of "U" clamp at the centre of the pipe line in addition to those for more than 3.00mt pipe length etc, Complete Complying with Standard Specifications.			1 Rm (OneRunnig Metre)	

31	30.00	E	Supply and laying of 3.5 X 35 Sq.mm PVC armoured LTUG cable in a trench to be excavated at a depth of 0.75 metre putting 0.15 mt. Layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good. TWAD page No ; 116	SD NO25		1 No (One Number)	
32	72.00	m2	Dadoing sides of walls with Glazed design tiles of size 150 x 150 x 6mm set in Cement Mortar 1:3 (One cement, three sand) 20mm thick and pointed with the same colour cement including cost and conveyance of all materials, labour charges complete as per standard specification.	SD NO 38		1 m2(One Square Metre)	
33	2.00	E	Supplying and fixing in position Indian Water Closet (Oriya type) of size 580 x 440mm white glazed earthen ware of approved quality and brand with "P" or "S" trap conforming to BIS with sand cushion and forming flooring around the closet using 40mm broken brick jelly in lime concrete 1:2:5 (One lime, Two sand and Five brick jelly) 100mm thick and finishing the top to the required slope and including giving necessary connection to CI soil pipes (including the cost of 100mm dia CI pipe for a length of 600mm) by dismantling brick masonry wall / reinforced cement concrete roof / floor slab and making good the dismantled portion to the original condition with leakages etc., complete complying with standard specifications and as directed by the departmental officers. (The water closet should be got approved by the Executive Engineer before use on works).	SD NO 22		1 NO (One Number)	

34	1.00	E	<p>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)</p>			1 NO(One Number)	
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35	1.00	E	<p>Supplying and fixing in position white / colour glazed European Water Closet of best quality and approved make with 100 mm "P" or "S" trap connecting with CI pipe of 100mm dia / PVC pipe of 110mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement for packing, spun yarn, teak wood plugs, brass screws, etc., including supplying and fixing 10 litres capacity PVC / 12.5 litres capacity porcelin low level flushing tank with a pair of CI brackets, etc., complete with all fittings such as 15mm brass ball valve with polythene float with brass handle, union, coupling connected by means of 40mm white PVC flush hand using Indian adopter joint including all internal fittings uch as 15mm brass connections, 15mm GM wheel valve, 15mm brass nipple (2 Nos.), 15mm nylon connection, TW plugs, screws and also giving necessary connection to the PVC pipe including cost of 600mm length of 110mm dia PVC pipe and painting the CI brackets with 2 coats of approved paint over one coat of red oxide primer, dismantling the masonry and re-doing the dismantled masonry to original condition etc. complete complying with standard specifications. (The EWC and flushing tank wiht all accessories should be got approved by the Executive Engineer before use on works)</p>			1 NO(One Number)	
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36			Supplying laying and jointing P.V.C pipes (6Kg/SqCm) of approved quality and best variety conforming to I.S.S & with I.S.I mark, of the following sizes including cutting , Fixing to PVC specials using Adhesive but excluding cost of such specials and fixing to wall with necessary teak - Wood Plugs,PVC Clamps and screws,making holes on the wall or drilling holes in roof and making good the dismantled portions to original condition with necessary brick work and plastering wherever necessary with necessary scaffolding charges.	SD NO 10			
36.1	60.00	Rm	25MM dia,PVC pipe			1 RM(One Running Metre)	
36.2	60.00	Rm	20mm dia.PVC pipe	SD NO 141		1 RM (One Running Metre)	
37	1.00	E	Supplying and fixing in position indian make bewelled edge mirror of approved quality and brand of size 600 X 450mm wth necessary plastic back, PVC frame with bottom stand of approved colour with brass screws,rawal plugs etc., complete complying with standard specifications.	SD NO 69		1 NO (One Number)	

38	1.00	E	Supplying and fixing best approved quality Brass C.P / Al anodised Towel rail 600mm. long and 20mm Diameter with brackets of same material including cost of Teak-Wood plugs and C.P.Screws etc., complete complying with standard specifications	SD NO 125		1 NO (One Number)	
39	1.00	E	Supplying and fixing best approved quality C.P.Soap Tray of size 150mm X 100mm including cost of Teak Woodplugs, brass screws complete complying with standard specifications.	MORTH IV 406		1 NO (One Number)	
40	6.00	E	Supplying and fixing position PVC Nahani Trap of the following sizes with best stainless steel gratings of approved brand and quality, fixed over a bed of brick jelly lime concrete 1:2:5 (One part of lime, two part of sand and five part of 40mm gauge brick jelly) and finished with Cement Mortar 1:3 (One Cement, Three sand) including dismantling masonry works wherever found necessary and making good the dismantled portions to the original condition and giving connection to the CI / PVC pipes, etc., complete complying with standard specification. (The Nahani Trap should be got approved by the Executive Engineer before use on works)			1 NO (One Number)	
41	6.00	E	Suppling and fixing in position 15mm.diameter brass screw down tap (heavy duty) of approved make conforming to I.S.specifications and quality including cost of shellac , thread etc.complying with standard specifications and including cutting and threading wherever necessary.			1 NO(One Number)	
42			Supply and fixing of following Plumbing G.I.materials				

42.01	10.00	E	15mm dia G.I Tee			1 NO (One Number)	
42.02	10.00	E	15mm dia G.I Elbow			1 NO (One Number)	
42.03	10.00	E	20mm dia G.I coupling			1 NO (One Number)	
42.04	10.00	E	20mm dia G.I Tee			1 NO (One Number)	
42.05	10.00	E	20mm dia G.I Elbow			1 NO (One Number)	
42.06	10.00	E	20mm dia G.I Bend			1 NO (One Number)	
42.07	1.00	E	20mm dia G.I union PWD Pg.No:46			1 NO (One Number)	
42.08	10.00	E	25mm dia G.I coupling			1 NO (One Number)	
42.09	10.00	E	25mm dia G.I Tee			1 NO (One Number)	

42.10	10.00	E	25mm dia G.I Elbow			1 NO(One Number)	
42.11	10.00	E	25mm dia G.I Bend			1 NO (One Number)	
42.12	1.00	E	25mm dia G.I union PWD Pg.No:46			1 NO (One Number)	
42.13	10.00	E	20mm X 15mm dia G.I Reducer			1 NO (One Number)	
42.14	10.00	E	20mm X 15mm dia G.I Reducer Elbow			1 NO (One Number)	
42.15	10.00	E	25mm X 20mm dia G.I Reducer			1 NO (One Number)	
42.16	10.00	E	20mm X 15mm dia G.I Reducer Tee PWD Pg.No:47			1 NO (One Number)	

43			Supplying and fixing in position P.V.C. specials such as plain bend, door bend, plain tee, door tee, offsets, Y-junction, plain or with door of various sizes best quality confirming to I.S.S and providing leakproof joints including fixing to wall and giving connection to the P.V.C, soil stacks, dismantling the brick masonry or R.C.C. floor or Roof slab and redoing the dismantled portion to original condition etc., complete complying with standard specifications.				
43.01	5.00	E	110mm dia PVC Elbow			1 NO (One Number)	
43.02	5.00	E	110mm dia PVC Tee			1 NO(One Number)	
43.03	5.00	E	110mm dia PVC Door Elbow PWD Pg.No:102			1 NO (One Number)	
43.04	5.00	E	110mm dia PVC Door Tee			1 NO (One Number)	
43.05	5.00	E	110mm dia PVC Door Yee			1 NO (One Number)	
43.06	5.00	E	90mm dia PVC Elbow			1 NO (One Number)	

43.07	5.00	E	90mm dia PVC Tee			1 NO (One Number)	
43.08	5.00	E	90mm dia PVC Door Elbow PWD Pg.No:102			1 NO (One Number)	
43.09	5.00	E	90mm dia PVC Door Tee			1 NO (One Number)	
43.10	5.00	E	90mm dia PVC Door Yee			1 NO (One Number)	
44			Supplying and fixing in position best quality P.V.C soil/ waste pipes (4KSC) of various sizes having ISI mark and providing leakproof joints including fixing to the wall with P.V.C/ M.S clamps etc., and making connection to all sanitary fittings, dismantling masonry/R.C.C. works wherever necessary and making good the dismantled portion to the original condition, complying with standard specifications.				
44.1	28.00	Rm	110mm dia PVC 6KSC Pipe			1 RM(One Running Metre)	
45	2.00	E	Supplying and fixing in position C.I.Manhole covers (light or heavy duty) of 600 X 600mm in size of best approved quality and as per standard specifications etc.,complete.			1 NO (One Number)	

46	3.00	E	Supplying and fixing PVC ventilating shaft of 110mm dia (having working pressure 4 kg. / sq.cm) with 3 metre height including cost of PVC cylindrical cowl of best approved quality etc., complete complying with standard specifications and as directed by the departmental officers			1 NO (One Number)	
47	1.00	E	Supply and fixing of 1000 lit HDPE Tank ISI make with all accessories such as Tank Nipple, Washer etc,including cost and conveyance of all materials to site etc, complete as per standard specifications. TWAD page No ; 85			1 NO (One Number)	
48	1.00	E	Conducting Geophysical survey, quality and quantity test and transportation charges etc, (This includes labour charges in the field, rent of the vehicle for reaching the place, rent of the instrument and excluding charges for the geologist)			1 NO (One Number)	
49			Drilling of 150mm dia vertical bores in hard rock formation to any required depth as directed by the departmental officers including labour charges for inserting casing pipe, assembling in the drilled hole, including welding the joints if necessary grouting the casing pipe etc, and including transportation charges for the rig and supporting vehicles from one place to another place.				
49.1	150.00	Rm	Up to 0 to 150m			1 RM (One Running Metre)	

49.2	20.00	Rm	151 to 180m			1 RM(One Running Metre)	
50	18.00	Rm	Supply and delivery of unplasticised Casing Shallow PVC casing pipe of the 150mm dia in 3m length with screwed and socket end and centering guide for every 15m length of pipes as per IS / 12818 / 92 and as amended from time to time to suit the borewell upto 80m depth (C.S) with ISI marking including, loading, unloading , freight, stacking and transit insurance charges etc, complete. TWAD page No ; 22			1 RM (One Running Metre)	
51	1.00	E	Three phase of 50 LPM 175 mtr Head Submersible pumpset TWAD page No ; 98			1 NO (One Number)	
52	1.00	E	Supply and delivery of Three Phase Panel Board - Star Delta with two level Guard and auto start suitable for Submersible pumpsets and accessories including all fittings suitable for Submersible pump sets.Panel Board should be provided as per specification. Rates inclusive of Packing, Loading, Freight, Unloading, Stacking, Transit and Insurance charges etc, complete TWAD page No ; 110			1 NO (One Number)	

53	1.00	E	Labour charges for the erection of submersible pump set in bore well/open well including fixing and jointing submersible cable with proper clamps up to the starter to required depth and also fixing of riser pipes to the required depth valves erection clamps, pressure gauges up to the exterior wall of pump room and erection of panel board consisting of TPICN switches starter, voltmeter, Ammeter, three pilot (indicating) lamps capacitor single phasing preventer, water level guard and laying and jointing the cables and twin earthing as per IE rules etc., complete and testing the pump set and trial run for 10 days. TWAD page No ; 287			1 NO (One Number)	
54			Supplying and fixing in pision of the following PVC and G.I specials best approved quality conforming to ISS and providing leak proof joint with PVC adhesive etc., complete complying with standard specification.				
54.01	30.00	Rm	50mm HDPE Pipe (PN 6)			1 RM (One Running Metre)	
54.02	180.00	Rm	40mm UPVC Pipe			1 RM (One Running Metre)	
54.03	1.00	E	Borewell cove plate			1 NO (One Number)	

54.04	1.00	E	Borewell Clamp			1 NO (One Number)	
54.05	2.00	E	32mm G.I Elbow			1 NO (One Number)	
54.06	1.00	E	32mm G.I Nipple			1 NO (One Number)	
54.07	1.00	E	50mm Non Return Valve			1 NO (One Number)	
54.08	1.00	E	32mm G.I Union			1 NO (One Number)	
54.09	1.00	E	32mm Bend			1 NO (One Number)	
54.10	1.00	E	32mm PVC fTA			1 NO(One Number)	
54.11	1.00	E	32mmx63mm PVC Reduer			1 NO (One Number)	
54.12	10.00	E	32mm GI pipe			1 NO (One Number)	

54.13	2.00	E	32mm Gate Valve			1 NO (One Number)	
54.14	3.00	Rm	20mm GI Pipe			1 RM (One Running Metre)	
54.15	2.00	E	20mm Tap			1 NO (One Number)	
55	190.00	Rm	Supplying and fixing of PVC insulated and sheathed 3 core 4sq.mm Flat type Copper cable cofirming to IS 694/ 1990 and including cost and conveyance of all materials to site and labour charges etc, complete as per standard specification. TWAD page No ; 116			1 RM (One Running Metre)	
56	417.00	Kg	Supplying, fabricating, erecting structural steel work for roofing welded or bolted type using MS channels, angles, plates and round bars etc. conforming to IS specification including primer coating and enamel painting as per Design given by the departmental officers etc,complete as per standard specification			1Kg (one Kilo Gramme0	
57	30.00	Rm	Towards labour charges for laying of pipe line with specials to proper slopes and gradients including all cost and conveyance etc.,complete as per standard specification.			1 RM (One Running Metre)	
58	13.00	m3	Refilling with excavated earth after laying the pipes into the trenches including all labour charges etc., Complete as per Standard Specifications.			1m3 (One Cubic meter)	

59	1.00	E	Supply and fixing of 2000 lit HDPE Tank ISI make with all accessories such as Tank Nipple, Washer etc,including cost and conveyance of all materials to site etc, complete as per standard specifications. TWAD page No ; 85			1 NO (One Number)	
60	4.00	m3	Plain Cement Concrete 1:1.5:3 (one cement, one and half fine aggregates and three coarse aggregates) using 20mm size ISS HBG metal including cost and conveyance of all materials to site and including for the mixing, laying and labour charges etc., complete as per standard specification			1m3 (One Cubic meter)	
61	69.00	m3	Providing and laying, spreading and compacting graded stone aggregate to Wet mix macadam 250mm thick specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed material by tipper to site laying in uniform layers with pavers in sub Base/Base course on wall prepared surface and compacting with vibratory roller to achieve the desired density including cost of material, labour charges, rentals for machinery, fuel and all other incidental charges etc., complete as per clause 406 of MORTH.			1m3 (One Cubic meter)	

62	455.00	m2	Supplying and laying Precast Designer Paver Block confirming to IS 1568-2006 specification manufacturing and laying standard of M50 grade 63mm thick (table clauses 5 and 9.14) suitable for bus terminals industrial complexes road on expensive soils etc., including the cost of paver block of size 225mm x 12.50 mm x 80mm and conveyance of materials to work site mentioned in the tender schedule cost of loading and unloading handling during over sand bed of 150mm thick (excluding the cost of sand) conveyance paver block cutter to site and hire charges of vibrators and block cutter operator and labour for leveling the sand to paver block etc., complete ISI 15658-2006.			1m2 (One Square meter)	
63	77.00	E	Wiring with 2 x 1.5 sqmm (22 /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 3mm thick hylum sheet cover with TW switch box and 5A F.T. switch with continuous earth wire connection of 14 SWG TC wire for making good of the concealed portion with suitable colour for PVC concealed light point / Fan point (For Electronic regulator). etc, complete as per standard specifications. SD 23			1 NO (One Number)	

64	10.00	E	Wiring with 2 x 1.5 sqmm (22 /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 inflush with wall with 150 x 100 x 113 mm TW switch box with 3mm hylum sheet cover for 5A 3 pin non inter locking CS plug 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.etc, complete as per standard specifications SD 38			1 NO (One Number)	
65	15.00	Rm	Supply and run of 2 of 1.5 sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour.etc, complete as per standard specifications SD 54			1 RM(One Running Metre)	
66	47.00	E	Supply and fixing of 4 feet LED fitting 20w light LED fitting LED completed as per specification S.I No 15(b) lower end rate and condensor with TW round blocks on wall or ceiling with PVC unsheathed copper leads from terminals to the fitting etc, complete as per standard specification SD 87			1 NO (One Number)	
67	2.00	E	Earthing as per P.W.D. standard with an earth electrode of 2Mtr. Class 'B' GI pipe of dia not less than 32mm complete with necessary masonry work. etc, complete as per standard specifications SD 234			1 NO (One Number)	

68	2.00	E	Supply and fixing of 3 phase 4 wire 4 way ICDB of 32 A per way with 100 A TPN MC switch with suitable trunking box Ms cable entry boxes and internal connection on suitable angle iron frame work with earth connection etc, complete as per standard specifications SD. 175			1 NO (One Number)	
69	3.00	E	Supply and fixing of Horizontal type 4 way triple pole neutral MCB distribution board in sheet steel enclosure with 40 A 4 pole MCB isolater as incoming and 12 Nos. 6A to 32 A SP MCB as outgoing in flush with wall and making good of the concealed portion with earth connection. The MCBDB and MCB's should be with the ISI mark etc, complete as per standard specifications SD.179			1 NO (One Number)	
70	45.00	E	Supply and run of 2 of No.8 SWG GI wire for guarding with cradle with No.8 SWG GI wire at the equal interval of 1.5m etc, complete as per standard specifications SD.75			1 NO (One Number)	
71	45.00	E	Supply and run of 4 X 6 sq.mm (84/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade on 7/20 GI bearer wire for service connection mains etc, complete as per standard specifications.SD 68			1 NO(One Number)	
72	4.00	E	Supply and fixing of 300mm (12") sweep AC exhaust fan complete with necessary wall opening and making good of the wall.etc, complete as per standard specifications. SD 115			1 NO (One Number)	

73	5.00	E	Wiring with 2 x 4sqmm (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 inflush with wall with 150 x 100 x 113 mm TW switch box with 3mm hylum sheet cover for 15A 3 pin non inter locking CS plug with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour for concealed PVC power plug point. etc, complete as per standard specifications. SD 40			1 NO (One Number)	
74	50.00	Rm	Supplying and laying of PVC insulated, PVC sheathed, armoured, LTUG cable of size 2 core 10 sqmm Al.cable clamped on walls (SD 210)			1 RM (One Running Metre)	
75	2.00	E	Supplying and fixng of cable gland and termination with earth connection of size 2 core 10 sqmm etc, complete as per standard specification. (SD 182)			1 NO (One Number)	
76	2.00	E	Supply and fixing of TNEB Board suitable for 3 Phases 63A service connection made up of suitable angle iron frame work of size 2 feet x 1 1/2 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 2 feet x 1/2 feet of 6mm thickness with necessary bolts and nuts supports and supply and fixing of 3 Nos 63A 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 7/16 PVC insulated copper wire with earth connection complete.SD 129			1 NO(One Number)	

77	2.00	E	Supply and fixing of 32 A TPN MC switch on incoming and 3 Nos 32 A DPMC Switch (Front Handle) as outgoing with suitable adoptor box with suitable MS cable entry box trunking boxes and internal connections on internal connections on suitable AI frame work with earth connection etc, complete.SD 172			1 NO (One Number)	
78	2.00	E	Supply and fixing of 3 phase 4 wire 4 way ICDB of 16 A per way with 32 A TPN MC switch with suitable MS cable entry boxes trunking box and internal connections on suitable angle iron frame work with PWD earthing etc, complete.SD 173			1 NO (One Number)	
79	2.00	E	Earthing as per the ISI specification with an earth electrode of 2.1mt class 'B' GI pipe of dia not less than 40mm, with copper earth plate of size 125mm x 50mm x 6mm, with necessary funneling arrangements with necessary masonry work and with 38mm RCC cover slab for the brick masonry . SD 233			1 NO (One Number)	
80	50.00	E	Supply and run of 2 of 4sqmm (56/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V Grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14SWG Cu wireand making good of the concealed portion with suitable colour(SD57)			1 NO (One Number)	
81	30.00	E	Supplying and Laying of 3½ x 50 sq.mm PVC armoured LTUG cable in a trench to be excavated at a depth of 0.75 M putting 0.15 M layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good. [SD 200]			1 NO(One Number)	

82	15.00	E	Supplying of 4 x 10 sq.mm PVC armoured LTUG cable in a trench to be excavated at a depth of 0.75 M putting 0.15 M layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good. [SD 196]			1 NO (One Number)	
83	2.00	E	Supplying and fixing of 1200mm (48") sweep AC ceiling fan complete with regulator with 1M down rod including S & F of fan clamp with side plates and cross arm etc, complete as per standard specifications SD 107			1 NO (One Number)	
84	1.00	E	Brick Lining for 300mm thick in furnace roof Fibre Li 2800L X 900W X 700H in mmning chamber size, Door operation : Up & Down movement manual operated max operating temperature : 700- 900 Dec Celsius. Etc, complete.			1 NO (One Number)	
85	1.00	E	LPG Burner set with LPG Bank & Control Panel: Supply of 4 Nos, 5 Burner with Blower and Fully auto control system like 0,000 Kcal Capacity LPG Fired Ignition, Flame sensor and Auto cut off incorporated in a separate sequence controller equivalent to Imported Control system for air and LPG with auto Igniting system and supply of 20 + 20 cylinder bank with pipeline from LPg cylinder bank up to each Burner end by using TATA "c" class grate material pipe with required material etc, complete			1 NO (One Number)	
86	1.00	E	3 hp motor 2no.for use to Id fan & 1hp motor use for wet scrubber Wet Scrubber for gas cleaning system: The system should be enhanced with Stainless steel cylinder and SS ID fan (3hp motor x 2nos. With ISI standard) to avoid rusting, Volume of water should be increased for effective scrubbing.			1 NO (One Number)	

87	1.00	E	<p>Guy Supported Chimney: This is a Cylindrical type MS IS - 2062 quality, 8MM Plate Chimney With two coated of aluminium Heat Resistance Paint Externally, 7000 mm, Long Bottom Cylindrical Chimney. It is Rested on 16mm type MS IS - 2062 Quality (100 feet Thick Base Flange and Stool Flange 16mm Thick with 12mm Gusset Support, Cylindrical Chimney Mounted on foundation 12nos x 25mm Dia Bolt, Nut Joints, Top 1 Cylindrical Shell Boiler Quality 8mm Plate x 7000mm long base chimney. It is Rested 50mm width base Flange & wind force curtain MS Flat Set, with Lightning arrestor 25mm x 3mm copper flat earthing, with easy hinges type manual opened manhole door, necessary for pollution control board monitoring sample ports arrangement ladder assembly with safety guard set 70 feet full height, one sets of detachable platform, over all size: 800mm Dia x 400mm Dia x 21000mm length with necessary all arrangements etc., complete</p>			1 NO(One Number)	
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