



**REGIONAL CANCER CENTRE
POST BOX No.2417
MEDICAL COLLEGE CAMPUS, THIRUVANANTHAPURAM
PIN:695011**

**PHONE : 2442541(PABX)
2522545/2522544(Proj.ENGG)**

e- Tender Notice no. ENG PROJ/15/RCC/2017/05

18/01/2018

Competitive tenders in the prescribed form are invited online from contractors having experience and capabilities in similar works for the execution of following work at RCC, Thiruvananthapuram.

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Name of work | Construction of reinforced cement concrete underground delay tank and manhole at Regional Cancer Center, Thiruvananthapuram |
| Earnest Money Deposit (EMD) | Rs.23,260/- |
| Cost of tender form | Rs.1,950/- |
| Classification of Bidder | Class A/B/C |
| Issue of tender documents | can download from the website https://etenders.kerala.gov.in/ from 18-01-2018 |
| Time of Completion | 80 days |
| Last date for submission of bid | 13/02/'18, 5 pm |
| Bid Opening date | 17/02/'18, 3pm |
| The critical dates for the work are available on Kerala government. e tender web site https://etenders.kerala.gov.in/ | |

Earnest Money Deposit may be remitted by NEFT transfer or as Bank Guarantee from any bank as specified in the tender documents. The Tender document fee which is non-refundable shall be remitted to the account number given in the remittance form provided by the e-Procurement system for this particular tender. Bidders are advised to visit the "Downloads" section of the website www.etenders.kerala.gov.in also. The NEFT facility for online payment may be exercised at least 48 hours before the closing date of the bid to ensure that payment towards tender document fee and EMD are credited and a confirmation is reflected in the e-procurement system.

If the bidder remits EMD by NEFT, the Bidder should ensure that tender document fees and EMD are remitted as one single transaction and not as separate documents. **Separate or split remittance for tender document fee and EMD shall be treated as invalid transactions.** The scanned copy of Bank Guarantee for EMD shall be uploaded to the e-portal and original Bank Guarantee shall be submitted to the office of the Director, Regional Cancer Centre, Thiruvananthapuram, after online submission of bid and on or before the opening of the Bid.

RTGS payments, Account to Account transfers or cash payments are not allowed and are invalid mode of payments. Hence, the remittance form provided by e-Procurement system is to be used only for NEFT payment. The EMD of the 2nd and 3rd lowest tenders shall be released only after execution of agreement by the successful tenderer. The EMD of the successful tenderer shall be forfeited if he fails to execute agreement and commence the work within the period specified in the work order.

All the Tender documents are to be submitted online only and in the designated covers on the above website and no manual submission will be entertained.

Contractors who had earlier been awarded works by RCC and not satisfactorily completed within the approved time frame are not eligible for the work. Tender documents from joint ventures or consortium firms formed for the purpose of this tender will not be accepted.

The bid will be opened online at the office of the Engineering Division (Project), Regional Cancer Centre on the date and time mentioned above. Those intending bidders may be present at the time of opening. All other existing conditions related to the tenders of RCC will be applicable to this tender also. The tender details will also be available in the RCC website 'www.rcctvm.org'. The bidding authority reserves the right to modify/cancel any or all bids without assigning any reasons. RCC will not be responsible for any errors like missing of schedule data while downloading by the bidder/non receipt of document/delay if any.

More details about the e-tendering procedure are available from National Informatics Centre, Thiruvananthapuram on all working days from 10:30 am to 5:30 pm (Phone:0471-2577088,2577188,+91-9995755177) or e-mail "etendershelp@kerala.gov.in".

Every tender should be accompanied with a preliminary Agreement in the format appended executed in Kerala Government stamp paper worth **Rs.500/-**. The scanned copy of preliminary Agreement shall be uploaded to the e-portal and original Agreement shall be submitted to the office of the Project Engineer, Engineering Division, Regional Cancer Centre, Thiruvananthapuram after online submission of bid and on or before the opening of the bid.

Further details and clarifications, if any, can be had from the office of the Project Engineer, Engineering Division, Regional Cancer Centre during working hours. Contact phone no: **0471 2522545/2522544, 9400052058**. Email address: rajendrant@rcctvm.gov.in.

The final acceptance of the tenders rests entirely with the Director who does not bind himself to accept the lowest or any other tender. Regional Cancer Centre thus reserves the right to reject any or all tenders without assigning any reasons whatsoever.

The time specified for the completion of whole work is **80 days from the date of signing of the Agreement**, failing which compensation as prescribed elsewhere for delay in work will be levied.

The security deposit will be collected by deduction from running bills/final bills of contractors at rate mentioned below. A sum @ 10% of the gross amount of the bill shall be deducted from each bill of the contractor till the sum along with the sum already deposited as earnest money deposit constitutes 10% of the total amount of contract.

The tender for the works shall remain open for acceptance for a period of **90 days** from the date of opening of tenders. If any tenderer withdraws his tender before the said period or makes any modifications in the terms and conditions of the tender which are not acceptable to the Owner, then the Owner shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money.

The successful bidder shall execute the agreement within 7 days from the date of work order. **Fine at the rate of 1%** of contract amount per day subject to a minimum amount of **Rs.1000** and a maximum amount of **Rs. 25,000** shall be levied if agreement is not executed within ten days after the notified period of fourteen days. In case of failure to execute the agreement within this period, tendering authority shall cancel the offer of contract forfeiting the EMD and taking such other actions as mentioned in the bidding document. After cancelling, the offer of contract in the above case, the tendering authority may negotiate with the next lowest bidder and award the work to him if he expresses his

willingness in writing to execute the work at the accepted rate of the default bidder. Otherwise the work will be retendered.

The agreement should submit after the awarding of contract includes:

- i. Original tender, plan and all accompaniments thereof.
- ii. Acceptance letter from the authority awarding the contract together with copies of correspondence, if any referred therein.
- iii. Accepted quotation schedule with conditions of contract.
- iv. Agreement in stamp paper to the prescribed value.

ONLINE TENDER SYSTEM

This tender is invited in two bid system. That is the tender documents contain two parts namely **Technical bid** and **Financial bid (BOQ)**.

The **technical bid** should contain - Bid Format-1

1. NIT document
2. Scope of work, General conditions and Special Conditions
3. BID forms and other forms
4. Bill of quantity (Work Compliance) without Price
5. Self-attested Copy of the bidders valid registration certificate

The **Financial bid** (BOQ) should contain - Bid Format-2

1. **Cost of Construction of reinforced cement concrete underground delay tank and manhole at Regional Cancer Center, Thiruvananthapuram** fee in Rupees

The tender should be submitted only through online system. Any other type of tenders will not be accepted. The technical documents are to be submitted in .pdf and financial bid (BOQ) in .xls form. The technical bids will be opened online at 3 PM on **17/02/2018** and it will be evaluated by a Committee. The financial bids of the technically qualified firms will be opened at a later stage and the lowest price will be selected. Director ,Regional Cancer Centre, Trivandrum reserves the right to accept or reject all or any tender at his sole discretion without assigning any reason. For legal purposes, the cause of action will be deemed to have arisen in Trivandrum, Kerala State, India.

After the submission of bid online in the e-tenders portal, the hard copies of the all tender documents are to be submitted to Project Engineering section, RCC, Thiruvananthapuram before the opening date.

DIRECTOR

TERMS AND GENERAL CONDITIONS OF CONTRACT

TERMS

1. In the contract (as hereinafter defined) the following words and expressions shall have the meaning hereby assigned to them except where the contract otherwise requires.
2. The Client shall mean Regional Cancer Centre, Trivandrum to deal with any matter regarding this work on its behalf.
3. The “Contractor” shall mean person or persons, firm or company whose tender has been accepted by RCC and includes the contractor’s legal representatives, successors and permitted assigns.
4. Bidder/ Bidder shall mean person, firm or corporation who has submitted a tender against invitation to tender and shall include his legal representatives, successors and assignees.
5. Tender” shall mean the tender submitted by the contractor for acceptance by RCC.
6. The “work” shall mean and include all works to be executed in accordance with the contract or part thereof as the case may be and shall include all extras, additional, altered or substituted works required for the purpose of the contract.
7. The “Contract” shall mean the agreement between RCC and the contractor for the execution of the work including therein all documents such as the invitation to tender, Tender Form, condition of contract, specification, schedule of quantities, special conditions letter of acceptance, Agreed variation if any, work orders, and / or any other / correspondences or negotiations, etc
8. “Site” shall mean the land allotted by RCC under in or through which the work is to be carried out.
9. “Letter of Acceptance” shall mean intimation by registered letter, telex or fax to the bidder that the tender has been accepted in accordance with the provisions contained therein.
10. “Engineer in charge” shall mean the Engineer representing RCC and entrusted with the supervision of work.
11. “Contract Price” shall mean the total amount referred to in the schedule of quantities and rates and accepted by RCC included in the contract agreement.

SCOPE OF WORK

The work essentially consists of the following.

1. Construction of reinforced cement concrete underground 2 chambered delay tank near Block B of RCC, Thiruvananthapuram. The size of the each chamber is 2.7X1.65X2.85 m. The outer wall and cover slab thickness of the tank is 25 cm and bottom slab thickness is 30cm. Each chamber need a CI manhole of size 560mm dia.
2. Construction of a manhole with internal dimension 100X100X380 cm in reinforced cement concrete.
3. Inter connecting the manhole with delay tank using 6" diameter uPVC ASTM drainage pipe. .

GENERAL CONDITIONS OF CONTRACT

- 1) The rate quoted **shall include all taxes and duties** statutory charges levied by the State Government or its authorized agencies, all contingent expenditure, insurance carried by contractor for his workers, third party liability, and other facilities required for execution of the work.
- 2) **GST** can be quoted separately in the price bid.
- 3) The EMD shall be furnished for the amount specified in the tender in the form of Demand draft/FD in favour of "Director, RCC, Thiruvananthapuram". No interest shall be payable for the EMD. Tender not accompanied with prescribed EMD is liable to be rejected. The EMD of unsuccessful tenders other than the lowest three shall be refunded after tabulation. The EMD of the 2nd and 3rd lowest tenders shall be released only after execution of agreement by the successful tenderer. The EMD of the successful tenderer shall be forfeited if he fails to execute agreement and commence the work within the period specified in the work order.
- 4) The tender will be considered firm for a period of **90 days** from the date of opening of the tender, which period may be extended by mutual agreement and the tenderer shall not alter/ cancel or withdraw the offer during the period.
- 5) The Director reserves the right not to accept the lowest tender and also to reject any or all tenders without assigning any reason what so ever.
- 6) The security deposit will be collected by deduction from running bills/final bills of contractors at rate mentioned below. A sum @ 10% of the gross amount of the bill shall be deducted from each bill of the contractor till the sum along with the sum already deposited as earnest money deposit constitutes 10% of the total amount of contract.
- 7) The contractor shall execute the whole and every part of the work in the most substantiated and workman like manner both as regards materials and otherwise in every respect in strict accordance with the detailed specifications in the schedule of work. The contractor shall also conform exactly, fully and faithfully to the design, drawings and instructions in writing in respect of work assigned by the concerned Engineer of RCC.
- 8) If the contractor fails to complete the work in the stipulated time/date specified in the NIT/work order, the time of completion shall be extended after levying penalty **@ 1.5% per week** of delay to be computed on per day basis of the total tendered value of the work, subject to a maximum of 10% of the contract amount. The levy of

fine shall be avoided if the delay in the Completion/execution is due to force majeure clauses or for reason which are beyond the control of the contractor or hindrance not due to any fault on the part of the contractor. In such cases the contractor has to request to the competent authority in writing within 7 days of date of hindrance. The decision of the Director in this regard will be final.

- 9) The employer (Director) shall have the power to make alterations in, omissions from, additions to, or substitution of the original specification, drawings, design etc that may appear to him to be necessary during the course of work. The contractor shall carry out the work in accordance with any instructions given to him in writing and such additions, omission or substitution shall form part of the contract as if originally provided there at and shall be carried out by the contractor on the same terms and conditions in all respects including price on which he agreed to do the original work. The time for the completion of the work shall be extended in the proportion which the additional cost of the altered, additional or substituted work, bears to the original tendered value plus 25% of the time so calculated or such further additional time as may be considered reasonable by the employer(Director)

The rate for altered, additional or substituted work shall be determined as follows:

The additional /alternates/substitution work has to be done only after prior approval in writing.

- I. If the rate for altered, additional or substituted item of work is specified in the schedule of quantities, the contractor shall carry out these items at the same rate.
- II. If the rate for any altered, additional or substituted item of work is not specified in the schedule of quantities, the rate for that item shall be derived from the rate for the nearest similar item specified there in.
- III. If the rate of altered, additional or substituted item of work cannot be determined in the manner specified in sub paragraph (i), (ii) above then such work, shall be carried out at the rate entered in current Delhi Schedule of Rates plus or minus the percentage by which the tendered amount of the works actually awarded is higher or lower than the corresponding estimated amount of the entire works actually awarded.
- IV. If the rate for altered, additional or substituted item of work is not in the schedule of rates, and cannot be determined in the manner specified paragraph (ii) and (iii) above, the rate for such part or part will be determined based on the market rate(s) prevailing during the month when the work immediately according to the date of approval of work done plus 10%(ten percent only) for contractors profit and 5% overheads and 1% of water charge. The tender deduction or excess will not be applicable in such cases.

V. If the rate of altered, additional or substituted item of work cannot be determined in the manner specified in sub paragraph (i) to (iv) above, the contractor shall within 7 days from the date of receipt of the order to carry out the said items of work, inform the employer (Director) the rates which he intends to charge supported by the analysis of the claim and the employer shall determine the rate on the basis of the market rates. If the contractor fails to inform the rate within the specified period, the rate arrived at by the employer will be deemed as final and binding on the contractor. Under no circumstances the contractor shall suspend the work for non-settlement of claim under this clause.

10) The selected bidder shall produce a security deposit equal to 10% of the final bill value in the form of Bank Guarantee from any nationalized or scheduled Bank which shall remain valid till 28 days from the completion of the defect liability period.

12) On Completion of works the cash deducted against Security deposit shall be released and the Contractor shall produce a security deposit equal to 10% of the final bill value in the form of Bank Guarantee from any nationalized or scheduled Bank which shall remain valid till 28 days from the completion of the defect liability period.

13) The contractor has to make his own arrangements for water and electricity required for the work. In unavoidable circumstances contractor will be permitted to consume water/electricity from the employers premises on request in writing and 1% charge will be levied for usual work and a necessary charges will be levied from the bill for high demand if any, occurred during work execution.

14) Contractor may visit the site of the proposed work, before quoting his rate and satisfy himself as to the condition of soil, facility for transport and storage of materials, availability of water, electricity etc and no extra claim or extension of contract period under the above account shall be entertained after the contract has been awarded.

15) The contractor shall employ for the execution of the works only such persons, as are skilled and experienced in their several trades and the concerned Engineer of RCC shall be at liberty to object to and require the contractor to remove from the works any person employed by the contractor in the execution of the work who in the opinion of the concerned Engineer of RCC involved in misconduct or is incompetent or negligent in the proper performance in his duties and such person shall not be again employed for the works without the permission of the concerned Engineer of RCC.

16) The Director of RCC shall settle any kind of disputes arising out of or in connection with the contract. If the contractor is not satisfied with the decision of the Director, he may approach the Court of law, for which the legal jurisdiction shall be Thiruvananthapuram. However, the contractor should ensure to continue the work as per schedule and complete the same irrespective of such pending legal disputes, if any.

- 17) The Director of RCC shall be at liberty to deduct any amount of money as determined by him in respect of damages caused to the institutes property by the contractor/ his representatives or his workmen while carrying out the contract or otherwise from any amount due to the contractor.
- 18) For conditions other than those mentioned above the relevant clauses in Kerala PWD manual and “Conditions for contract in Kerala PWD” shall be applicable.
- 19) The contractor shall not without the previous sanction in writing from the employer either sub- contract or execute power of attorney in respect of any matter provided in the contract awarded to him
- 20) The contractor has to make his own arrangements for water and electricity required for the work. In unavoidable circumstances contractor will be permitted to consume water/electricity from the employers premises on request in writing and 1% charge will be levied for usual work and a necessary charges will be levied from the bill for high demand if any, occurred during work execution.
- 21) Contractor may visit the site of the proposed work, before quoting his rate and satisfy himself as to the condition of soil, facility for transport and storage of materials, availability of water, electricity etc and no extra claim or extension of contract period under the above account shall be entertained after the contract has been awarded.
- 22) The contractor shall employ for the execution of the works only such persons, as are skilled and experienced in their several trades and the concerned Engineer of RCC shall be at liberty to object to and require the contractor to remove from the works any person employed by the contractor in the execution of the work who in the opinion of the concerned Engineer of RCC involved in misconduct or is incompetent or negligent in the proper performance in his duties and such person shall not be again employed for the works without the permission of the concerned Engineer of RCC.
- 23) The Director of RCC shall settle any kind of disputes arising out of or in connection with the contract. If the contractor is not satisfied with the decision of the Director, he may approach the Court of law, for which the legal jurisdiction shall be Thiruvananthapuram. However, the contractor should ensure to continue the work as per schedule and complete the same irrespective of such pending legal disputes, if any.
- 24) The Director of RCC shall be at liberty to deduct any amount of money as determined by him in respect of damages caused to the institutes property by the contractor/ his representatives or his workmen while carrying out the contract or otherwise from any amount due to the contractor.

- 25) For conditions other than those mentioned above the relevant clauses in Kerala PWD manual and “Conditions for contract in Kerala PWD” shall be applicable.
- 26) The CPWD manual and RCC general conditions are applicable to this work
- 27) The contractor shall not sub-contract the whole of the contract. The Contractor shall not sub-contract any part of the works without the written consent of the RCC and such consent, if given, shall not relieve the Contractor from any liability or obligation under the contract and the Contractor shall be responsible for the acts, defaults and neglects of the sub-contractor, his agents, employees or workmen as fully as if they were the acts, defaults or neglects of the Contractor or his agents, servants, or workmen
- 28) Should the Contractor notice any discrepancy or error in the statement made, or quantities or units shown against items, he shall immediately bring to the notice of the Consultants/CLIENT and obtain the clarification before submitting the tender. The tender shall be based on such clarifications received and shall be recorded as such in the covering letter to the tender, failing which the CLIENT shall have the right to ask the Contractor to execute the work according to the statement made or quantities or units shown in the tender, without any compensation.
- 29) The rates quoted in the tender by the Contractor must be for the finished work as per the drawings and specifications.
- 30) The “RCC” shall be at liberty to object to and require the Contractor to remove forthwith from the works any person employed by the Contractor in or about the execution or maintenance of the works who in the opinion of the Consultant misconduct himself or is incompetent or negligent in the proper performance of his duties or whose employment is otherwise considered by the RCC to be undesirable and such person shall be replaced by the Contractor without delay by a competent substitute approved by the “RCC”.
- 31) All references, communications, correspondences made by the “CLIENT”, the Consultants, the Consultant’s representative or the Contractor concerning the works shall be in writing and no reference, communication, or complaint which is not in writing, shall be recognized.
- 32) The Contractor shall indemnify and keep indemnified the “RCC” against all losses and claims for injuries or damages to any person or property whatsoever which may arise out of or in consequence of the construction and maintenance of works and against all claims, demands proceedings, damages, costs, charges, expenses, whatsoever in respect thereof in relation thereto.
- 33) The Contractor shall at his own cost provide around excavation, temporary barricading with bamboo or other similar materials with warning tape and signals during

day and night and shall maintain it so long as the trenches and earth excavated portion are not filled up.

34) The contractor shall be responsible for the safe storage of materials supplied by the "CLIENT" for executing the works. Surplus materials lost or damaged or unaccounted for or made unserviceable by the Contractor shall be charged as specified in the special conditions.

35) The tendered rates shall always be deemed to have taken into account the cost of removal of silt and materials that may slip in the trenches and pits and dewatering the trenches or pits of water accumulated or collected through seepage or subsoil water or rain water. The contractor shall in no case be entitled to claim any extra amount for the above work. The contractor shall remain prepared with necessary pumps and equipment for dewatering the trenches or pits so as to avoid unnecessary delay and possible damage to the property, etc.

36) In respect of all labour directly or indirectly employed on the works by the Contractor, the Contractor shall comply with the provisions of the contract labour (Regulation and Abolition) Act 1970, Minimum Wages Act 1948, Payment of Wages Act 1936 and any amendments thereof and all legislation and rules of the State and/or Central Government or other local authorities, framed from time to time, governing the protection of health, sanitary arrangements, wages, welfare and safety for labour employed on building and construction works and for bonus, retirement benefits, retrenchment/lay off, compensation and all other matter. The rules and the other statutory obligations with regard to fair wages, welfare and safety measures, maintenance of register, etc. will be deemed to be part of the contract. All the liabilities with regard to the above will rest with the Contractor only.

37) The Contractor shall, at his own expense, provide all materials, required for the works other than those which are stipulated to be supplied by the Owner. The Contractor shall, at his own expense and without delay; supply to the Engineer-in-charge samples of materials to be used on the work and shall get these approved in advance. All such materials to be provided by the Contractor shall be conformity with the specifications laid down or referred to in the contract. The Contractor shall, if requested by the Engineer-in-charge furnish proof, to the satisfaction of the Engineer-in-charge that the materials so comply. The Engineer-in-charge shall within thirty days of supply of samples or within such further period as he may require intimate to the Contractor in writing whether samples are approved by him or not. If sample are not approved, the Contractor shall forthwith arrange to supply to the Engineer-in-charge for his approval fresh samples complying with the specifications, approval of the Engineer-in-charge shall be issued after the test results are received.

38) The Contractor shall at his risk and cost submit the samples of materials to be tested or analyzed and shall not make use of or incorporate in the work any materials represented

by the samples until the required tests or analysis have been made and materials finally accepted by the Engineer-in-charge. The Contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of testing of materials.

39) The Contractor shall, at his risk and cost, make all arrangements and shall provide all facilities as the Engineer-in-charge may require for collecting, and preparing the required number of samples for such tests at such time and to such place or places as may be directed by the Engineer-in-charge and bear all charges and cost of testing unless specifically provided for otherwise elsewhere in the contract or specifications. The Engineer-in-charge or his authorised representative shall at all times have access to the works and to all workshops and places where work is being prepared or from where materials, manufactured articles or machinery are being obtained for the works and the Contractor shall afford every facility and every assistance in the right to such access.

40) The Engineer-in-charge shall have full powers to require the removal from the premises of all materials which in his opinion are not in accordance with the specifications and in case of default the Engineer-in-charge shall be at liberty to employ at the expense of the Contractor, other persons to remove the same without being answerable or accountable for any loss or damage that may happen or arise to such materials. The Engineer-in-charge shall also have full powers to require other proper materials to be substituted thereof and in case of default the Engineer-in-charge may cause the same to be supplied and all costs which may attend such removal and substitution shall be borne by the Contractor.

41) **Terms of payment.**

Payment towards running accounts bill

For this works, estimated cost near to Rs.10,00,000/- the interim or running account bills shall be submitted by the Contractor for the work executed on the basis of such recorded measurements. The Contractor shall not be entitled to be paid any such interim payment if the gross work done together with net payment adjustment of advances for material collected. Engineer-in-charge shall arrange to have the bill verified by taking or causing to be taken, where necessary, the requisite measurements of the work. In the event of the failure of the Contractor to submit the bills, Engineer-in-charge shall prepare or cause to be prepared such bills in which event no claims whatsoever due to delays on payment including that of interest shall be payable to the Contractor. 75% of the Bill amount admissible to the Contractor shall be paid within 7 days from the day of presentation of the bill in proper form. The balance 25% of the bill amount admissible shall be paid within 30 days of the first presentation of the bill in proper form.

Payment of Final Bill

The final bill shall be submitted by the Contractor in the same manner as specified in interim bills within four months of physical completion of the work or within one month of the date of the final certificate of completion furnished whichever is earlier. No further claim shall be made by the Contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. The contractor shall not be eligible for any advance payment against final bill. Payments of those items of the bill in respect of which there is not dispute and of items in dispute, for quantities and rates as approved, will as far as possible be made within the period specified herein under, the period being reckoned from the date of receipt of the bill complete with account of materials issued by the Owner and dismantled materials.

SEAL AND SIGNATURE OF THE
CONTRACTOR

SPECIAL CONDITIONS

1. The work shall be commenced with in **5 days after signing of the Agreement.**
2. Work shall be completed in all respect with in a period of 80 days from the date of signing of the Agreement.
3. The Delay tank to be constructed shall be fenced from existing surroundings of the hospital to restrict the entry and to avoid any accidents.
4. Method of .construction and other related things has to be discussed with Engineer in charge.
5. The dumping place shall be located by the contractor and the dumping has to be done with respect to the instruction of Engineer in charge.
6. All safety and security measures shall be taken by the contractor while carrying out the work to ensure no threat to life of the workers or any person and property around.
7. The excavated earth shall be stocked in RCC campus as per the instructions of Engineer in charge.
8. The contractor must take precautionary measures to protect the underground and other services lines viz. Cables, water and sewer lines, etc. and observe any specific instructions which may be given in this regard by the RCC. The Contractor shall take prior permission from the RCC before any excavation work is undertaken. Any damages caused to the existing cables/pipes/drain etc. shall be rectified by the Contractor at his own cost. If the contractor fails to do so, the necessary rectification will be arranged through an external agency at the risk and cost of the contractor.

SEAL AND SIGNATURE OF THE CONTRACTOR

BID FORMS AND OTHER FORMS

I N D E X

1. Time Schedule
2. Form of Bid
3. Performa for preliminary agreement
4. Letter of Application
5. Declaration form

**FORM 1
TIME SCHEDULE**

NAME OF BIDDER:

Bidders shall submit in the proposal, as per this form, a project schedule covering all activities detailed **scope of work**. The Bidder shall include in the proposal the techniques to be used to control the work schedule, measure and report progress to assure meeting the project schedule.

| ACTIVITY DESCRIPTION | DURATION | STARTING DATE | FINISHING DATE |
|-------------------------|----------|---------------|----------------|
| | | | |

Note:

Bidder to furnish the schedule detailing linkages and time required for completion of all activities given in the **scope of work**.

Signature:

Date :

Seal :

FORM 2
FORM OF BID

Note: Bidders are required to furnish this form in the letter head filling all the blank spaces.

To
The Director,
RCC, Medical College Campus,
Thiruvananthapuram,
Kerala.

Date:

Dear Sir,

Sub: Name of work.....

Ref: Tender No.

Having examined the Terms and Conditions included in or referred to in the Tender Documents, the receipt of which is hereby duly acknowledged, I/We, the undersigned, offer to **Construction of reinforced cement concrete underground delay tank and manhole at Regional Cancer Center, Thiruvananthapuram** as detailed in the work schedule, the terms and conditions as mentioned in or referred to in the said tender documents for the sum as quoted in the Priced part or such other sums as may be ascertained in accordance with the work schedule attached herewith and made part of this bid and the said conditions.

My/Our acceptance to all the conditions of the tender document in this bid form shall persist over any other terms and conditions, deviations, if any, given in my/our bid. I/We undertake, if my/our bid is accepted, to commence and complete delivery of all the goods and services including supply and installations and commissioning as specified in the tender document, from the date of receipt of your Work Order/Letter of Intent.

If my/our bid is accepted, I/We will obtain the bank guarantees as per the terms and conditions for the due performance of the contract.

I/We agree to abide by this bid for the period of 90 days from the date fixed for bid opening and it shall remain binding upon me/us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your Letter of Intent shall constitute a binding contract between me/us.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

I/We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this.....day of20....

(Signature)

For and on behalf of

FORM 3

PRELIMINARY AGREEMENT

Articles of agreement executed on thisthe day of two thousand andbetween the Regional Cancer Centre, Thiruvananthapuram (hereinafter referred to as "RCC") acting through (here enter the designation of the officer who have invited this tender)(on the one part and Sri.....(here enter name and address of the tenderer hereinafter referred to as "The bounden" on the other part).

WHEREAS in response to the invitation for tenders contained in Notification No..... date.....inviting tenders the bounden has submitted to RCC a tender for the..... specified therein subject to the terms and conditions contained in the said tenders:

WHEREAS the bounden has also deposited with RCC a sum of Rs.....as earnest money of execution of an agreement undertaking the due fulfillment of the contract in case his tender is accepted by RCC.

Now THESE PRESENTS WITNESS and it is hereby mutually agreed as follows:

1. In case the tender submitted by the bounden is accepted by RCC and the contract foris awarded to the bounden, the bounden shall within 14 days of acceptance of this tender execute an agreement with RCC incorporating all the terms and conditions under which RCC accepts his tender.
2. In case the bounden fails to execute the agreement as aforesaid incorporating the terms and conditions governing the contract, RCC shall have power and authority to recover from the bounden any loss or damages caused to RCC by such breach as may be determined by RCC, appropriating the earnest money deposited by the bounden and if the earnest money is found to be inadequate, the deficit amount may be recovered from the bounden and his properties, movable and immovable, also in the manner hereinafter contained.
3. All sums found due to RCC under by virtue of this agreement shall be recoverable from the bounden and his properties, movable and immovable under the provisions of the Revenue Recovery Act for the time being in force as though such sums are areas of land revenue and also in such other manner as RCC may deem fit. In witness where of Sri.....(here enter name and designation) for and

on behalf of RCC and Sri.....the bounden have hereunto set their hands the day and year shown against their respective signatures.

Signed by Sri.....(date)

In the presence of witness.

1.

2.

Signed by

FORM -4

Letter of Application

Place:

Date:

To

The Director
Regional Cancer Centre
Thiruvananthapuram

Sir,

Having examined specifications, schedule of quantities relating to the works specified in the memorandum hereinafter set out and having visited and examined the site of the works specified in the said memorandum and having acquired the requisite information relating thereto as affecting the tender.

I/We
hereby offer to execute the works specified in the said memorandum within the time specified at the rate mentioned in the attached schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in conditions of tender, Articles of agreement, schedule of quantities ,General Instructions to tenderers, Special Conditions of Contract, and with such other materials and conditions as may be prescribed from time to time.

MEMORANDUM

a. Description of works : **Construction of reinforced cement concrete underground delay tank and manhole at Regional Cancer Center, Thiruvananthapuram**

b. Earnest Money Deposit : Rs.23,260/-

c. Security deposit : 10% of the contract value

d. Time allowed for completion : 80 days
of works

Should this tender be accepted, I/We

hereby agree to abide by and fulfill the terms and provisions of the said conditions of contract so far as they may be applicable or in default thereof to forfeit and pay to the Employer the amount mentioned in the said conditions.

Should I/We fail to execute the agreement when called upon to do so, I/We do hereby agree that EMD shall be forfeited by me/us to the Employer in addition to other liabilities prescribed by virtue of other terms of contract and under law.

The list showing the particulars of large works carried out and the names of manufacturers of specialised items as required are enclosed.

Our Bankers are:

i

ii

The names of partners of our firm are

(i)

(ii)

(iii)

Name of the partner of the firm authorised to sign

OR

Name of person having power of attorney to sign the contract (certified true copy of the Power of Attorney should also be attached)

Yours faithfully,

(CONTRACTOR)

Signature and addresses of Witnesses:

FORM 5

DECLARATION FORM

Note: Bidders are required to furnish this form in the letter head filling all the blank spaces.

To

The Director,
Regional Cancer Centre,
Medical College Campus,
Thiruvananthapuram, Kerala.

DECLARATION

I/We..... hereby declare that I/We read and understood that Terms & Conditions of contract, Specifications, Drawings, Schedule of Requirements, etc., and hereby agree to abide by them. In token of I/We also understand that otherwise this tender is liable to be rejected.

I/We hereby confirm that only the relevant entries asked for, have been made within the Tender documents issued to us. I/We also confirm that in the event of any entry in this tender document, other than the relevant entry, shall make this tender invalid.

I/We hereby confirm that I/We am/are authorized to sign on behalf of the bidder.

Date:

SEAL & SIGNATURE OF THE BIDDER



REGIONAL CANCER CENTRE
POST BOX NO.2417
MEDICAL COLLEGE CAMPUS, THIRUVANANTHAPURAM
PIN: 695 011.

Bill of Quantity for work

Name of Works: Construction of reinforced cement concrete underground delay tank and manhole at Regional Cancer Center, Thiruvananthapuram

| S No. | Description | Unit | Quantity | Work Compliance yes/No |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|---------------------------|
| 1 | SUB-HEAD :EARTHWORK | | | |
| 1.1 | Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including tar cutting and getting out and disposal of excavated earth lead upto 50 m and lift upto 2 m, as directed by Engineer-in-charge. | | | |
| 1.1.1 | All kinds of soil | cum | 135.00 | |
| 1.2 | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 500 m and lift upto 2 m. | cum | 85.00 | |
| 1.3 | Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials | | | |
| | All kinds of soil | cum | 60.00 | |
| 1.4 | Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal of dismantled material up to a lead of 1 kilometre, as per direction of Engineer-in-charge. | cum | 1.50 | |

| | | | | |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|--|
| 1.5 | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix) cum | cum | 1.00 | |
| 2 | SUB-HEAD : CONCRETE WORK | | | |
| 2.1 | Providing and laying in position machine batched and machine mixed or ready mixed plain cement concrete, with cement content as per approved design mix (for ready mixed manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer), manufactured as per mix design of specified grade for plain cement concrete work, including pumping (R.M.C. from transit mixer)to site of laying and curing, Including the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge.” | | | |
| | Note : Excess/less cement used than specified in this item is payable/recoverable separately. | | | |
| 2.1.1 | All works upto plinth level : | | | |
| | M-10 grade plain cement concrete (cement content considered @ 220 kg/cum) | cum | 4.50 | |
| 3 | SUB-HEAD : REINFORCED CEMENT CONCRETE WORK | | | |
| | FORM WORK | | | |
| 3.1 | Centering and shuttering including strutting, propping etc. and removal of form for all heights : | | | |
| 3.1.1 | Foundations, footings, bases of columns, etc. for mass concrete | sqm | 6.50 | |
| 3.1.2 | Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc. | sqm | 175.00 | |
| 3.1.3 | Suspended floors, roofs, landings, balconies and access platform | sqm | 13.00 | |
| | STEEL REINFORCEMENT: | | | |

| | | | | |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|--|
| 3.2 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding with 18 gauge GI binding wire all complete upto plinth level | | | |
| 3.2.1 | Thermo-Mechanically Treated bars of grade Fe-500D or more. | kg | 2800.00 | |
| | DESIGN MIX CONCRETE: | | | |
| 3.3 | Providing and laying in position machine batched and machine mixed design or ready mixed cement concrete (RMC) mix M-25 grade cement concrete for reinforced cement concrete work for all type of works in substructure, using cement content as per approved design mix, including pumping of concrete to site (from transit mixer for RMC) of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 400 kg/cum and Excess/less cement used as per design mix is payable/recoverable separately. Use of Flyash is not permitted.). | | | |
| 3.3.1 | Raft, slab, wall | cum | 25.50 | |
| 3.4 | 12 mm cement plaster finished with a floating coat of neat cement of mix : 1:4 (1 cement: 4 fine sand) | sqm | 60.00 | |
| 4 | SUB-HEAD : WATERPROOFING | | | |
| A | Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels/ subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI- 212-3R- | | | |

| | | | | |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|--|
| | 2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guaranteed for 10 years against any leakage. | | | |
| | For vertical surface two coats @0.70 kg per sqm per coat | sqm | 46.33 | |
| | For horizontal surface one coat @1.10 kg per sqm | sqm | 17.38 | |
| 5 | SUB-HEAD :DRAINAGE | | | |
| 5.1 | Supply and fixing 560 mm diameter C.I. Manhole cover with frame (heavy duty) the weight of the cover to be not less than 108 kg | each | 3.00 | |
| 5.2 | Supplying and fixing in position uPVC pipes of 10kg/cm2 (as per ASTM Sch.40) of approved make for sewage , complete with all necessary PVC fittings (elbows,bend,flange, unions, tees, reducers, couplings, nipples etc.) complete with close the existing CI 6" line and deroute the flow into new pvc line with necessary CI fittings including welding the CI fitting in the existing and new lines. All material should be of approved make, as per drawings and instruction of the Site Engineer at all heights. (The pipe and all fixtures should be of best quality and of approved make). The rate to include the cost of scaffolding , testing the pipe line with double the working pressure including hoisting etc. complete. | meter | 35.00 | |
| 5.3 | Supply and fixing CI 6" flange type Gate valve as per the direction of Engineer inCharge. | each | 4.00 | |
| 5.4 | Supply and fixing 6" CI puddle flange as per the direction of Engineer inCharge. | each | 4.00 | |

| | | | | |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|--|
| 5.5 | Providing and installing of floating system as per direction/ drawing given by the Engineer in charge using GI pipe of size 25mm 2 nos in vertical position fixed on the cover slab as shown in sketch and inserting MS rods of size 8 to 10 mm dia in L shape with ball(plastic/rubber)fixed at one end to facilitate floating. One of the pipe must have a locking position, so that ball will not get covered with slush and slurry. To prevent radiation provide a cover cup split as per sketch ie, also to be provide using 32mm heavy couple cut and covered as shown in sketch. | each | 2.00 | |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|--|

Declaration

I here by agree to undertake the above work as per specification and as per instruction of the engineer- in -charge for an amount of Rs.....(in figures)
.....
.....(in words).

Place:

Signature:

Date:

Name: