

Name of work: Rerouting of collapsed sewer in Lloyds Road to Ram Nagar pumping station in Depot 120 in Area-IX

Contract No.: CNT/SEW/GOTN/ CMCDM/2352A/2013-14

CHECK LIST FOR THE GUIDANCE OF THE CONTRACTOR

I		The Tender schedule for the above work consists of 24 pages as detailed below:
	(i)	Checklist for the guidance of the contractors, details of price adjustment and bonus clauses Page – 1 to 7
	(ii)	Undertaking for adhering additional conditions to be followed regarding ban on entry of workers in to the sewerage system Page – 8 - 10
	(iii)	Notice Inviting Tender Page – 11
	(iv)	Special Instructions to Bidders for e-Bid Submission Page – 12 – 14
	(v)	Letter of Tender 2 pages Page - 15 & 16
	(vi)	Price Schedule Page - 17 & 18
	(vii)	Work schedule containing details of Work Page - 19 to 21
	(viii)	Mile stone Page - 22
	(ix)	Format of the statements showing the value of existing commitments and ongoing works Page -23
	(x)	Manhole type design and details – 1 No. Page -24
II	1	The total number of items in the work schedule – 8 Nos and the value put to tender is Rs.104,77,068.00
	2.	Tenderers are requested to sign all pages in the tender schedule and must sign letter of tender. Tenders which do not have the Signature of the Tenderer in letter of tender will be rejected. Tenderers are required to furnish notarized copy of certificates if any, for satisfying eligibility criteria.
	3.	Bidders are requested to verify the number of pages in the work schedule and number of items in the work schedule. Any clarification and further information required may be obtained from the Office of the Contracts and Monitoring wing on any working day.
	4.	The present tender document contains priced work schedule and price schedule. The tenderers are requested to quote the percentage variation over the departmental value in words and figures in any one of the forms in price schedule. If there is any discrepancy between words and figures, the lower among the words and figures will be taken into account All entries should be made legibly in ink. Writing the rates first in pencil and later over writing in ink should be avoided and also over writing the corrections may be avoided. Corrections if any should be made by neatly scoring out the unwanted matter and rewriting legibly. Every such correction should be attested by the full signature of the tenderer.
	5.	<u>Eligibility :</u> 1. Contractors registered in Metro water in Class IA i.e. those who are eligible to take up civil and pipe laying works costing more than Rs.75.00 lakh. 2. Contractors who have executed similar works of the same or higher magnitude and registered in other departments and undertakings of the

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		<p>Central or State Government in the corresponding class are also eligible to tender for this work.</p> <p><u>Note:</u> <u>Contractors registered in Board:</u> If the performance of the tenderer in the works awarded earlier is found to be poor subsequent to opening of this tender or during evaluation of this tender, his/their tenders will not be considered for evaluation and will be treated as non-responsive.</p> <p><u>Contractors registered in State or Central Government Departments:</u></p> <p>I. (i) The tenderer who comes under the eligibility condition 2 i.e. not Registered in the Board and who intend to participate in the tender, subject to their eligibility as above are requested</p> <p>(i) To read the Standard tender document from the Office of the Contracts wing. The contents of Standard Tender document is binding along with the conditions in this tender schedule on the tenderer.</p> <p>(ii) To furnish Proof for their registration in the appropriate class and its current validity. The bidder should have executed pipe laying works of value more than Rs.75.00 lakh.</p> <p>(ii) The bidder should furnish performance certificate from an officer not less than the rank of Executive Engineer for having executed works of similar nature of the same or higher magnitude).</p> <p>(iii) The tender of tenderers who does not fulfill the above will be treated as non-responsive. The tender received from ineligible contractors will be treated as non-responsive.</p> <p>(iv) However the successful tenderer will have to get himself registered in the Board in the appropriate class.</p> <p>(v) If at any circumstances, prior to finalization of the tender, if it is brought to the knowledge of the Board, that the contractor is banned / black listed their tender will be treated as non-responsive.</p>
6.		<p>EMD shall be in the form of Demand Draft or Banker's Cheque or Pay Order drawn from Nationalised / Scheduled Bank / TNSC Bank in favour of CMWSS Board.</p> <p>Cheque and cash will not be accepted towards Earnest Money Deposit.</p>
7.	a)	<p><u>SECURITY DEPOSIT</u> Security deposit will be collected from the successful Tenderer in the following form and manner within 14 days from the date of receipt of work order: Form in which S.D. collected.</p> <p>In the shape of NSC/ Post office Time Deposits valid for the required contract period and pledged in favour of Managing Director, CMWSS Board and shall have the necessary transfer endorsement of the Post Office.</p> <p>(OR)</p>

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	Fixed Deposit for the required period from nationalized/schedule Bank/TNSC Bank pledged in favour of Managing Director, CMWSS Board. (OR) Certified cheque/Bank Draft in favour of Managing Director, CMWSS Board payable at Chennai.
b)	The value of S.D will be as follows:
i)	for tenders with any plus percentage and upto (-)5% over departmental value – 2% of the contract value.
ii)	for tenders between (-)5% to (-)15% over departmental value --- 4% of the contract value.
iii)	for tenders, above (-)15% over departmental value --- 5% of the contract value.
8	All duties, taxes such as VAT, Sales Tax and Service Tax etc. and other levies payable by the contractor under the contract or for any other cause shall be included in the rates, prices and total quoted rates submitted by the bidder. Any statutory variations in duties/taxes, which take effect from a date subsequent to the due date for receipt of tender, shall be to CMWSS Board's Account.
9	Milestone details for completion of works and details of liquidated damages for the non completion of work are furnished in the Milestone at Page No. 22 . Tenderers are requested to take note of the details. The above details will be incorporated in the contract documents while executing agreement.
10	<u>Tender Validity</u> Tenders shall remain valid for a period of not less than ninety days (90 days) after the deadline date for bid submission. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.
11	Tenders with conditions are liable for rejection.
12	The defects liability period in respect of original civil works and pipe laying works is 5 years and 3 years in respect of all Electrical, Mechanical and allied works.
13	The rates and prices quoted by the tenderer shall be fixed during the performance of the contract except for cement and steel components involved in this work which are subject to adjustment in accordance with the provisions of clause 15 as detailed below.
14	<u>Price Adjustment:</u> Contract price shall be adjusted for increase or decrease in rates and price of cement and steel in accordance with the following principles and procedures and as per formula given in SI.No.15 : (a) The price adjustment shall apply for the work done from the start date and upto end of the initial intended completion date or extensions granted by the Engineer and shall not apply to the work carried out beyond the stipulated time for reasons attributable to the contractor. (b) The price adjustment shall be determined during each quarter from the formula as given in SI. No. 15 . (c) Following expressions and meanings are assigned to the work done

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		<p>during each quarter:</p> <p>R = Total value of work done during the quarter based on the Contract value. It would also include the amount of secured advance for materials paid for (if any) during the quarter, less the amount of the secured advance recovered, during the quarter. It will exclude value for works executed under variations for which price adjustment will be worked separately based on the terms mutually agreed.</p> <p>(d) Price adjustment will apply only when the fluctuation of rates exceeds by 3% compared to the estimate rates (based on RBI Index Price). Should be applied on each items of material individually / separately. Price adjustment shall be made for both increase and decrease in the cost of materials.</p> <p>(e) The percentage of components of inputs to be utilized in the work in each quarter between two milestones are calculated based on the actual quantity executed in the site. Due to delays not attributed to the Contractor, The Contractor may be allowed to execute the work in the subsequent quarter without imposing penalty. Also if the index in the quarter in which the work has been carried out increases / decreases, price adjustment clause governs the same</p> <p>(f) Price adjustment will be applicable for only those quantities which would be utilized to achieve the work as per milestone schedule as given in Page No. 22 However, if a certain quantity of work to be completed in a quarter, is completed in the succeeding quarter, the price adjustment can be claimed on that quantity at the rates applicable for the intended quarter only. If there is any decrease in the price index in the prevailing(subsequent) quarter, while the carried forward work is executed and measurements therefore are recorded, the payment for such carried forward works will be regulated as per the applicable price index during the prevailing/current quarter, (i.e.) at reduced price and not at the enhanced price index which might have prevailed during the relevant previous/earlier quarter in which the works should have been completed as per the prescribed milestone.</p> <p>To the extent that full compensation for any rise or fall in costs to the contractor is not covered by the provisions of this or other clauses in the contract, the unit rates and prices included in the contract shall be deemed to include amounts to cover the contingency of such other rise or fall in costs.</p>
15		<p>The formula(e) for adjustment of prices are:</p> <p>R = Value of work as defined in Sl.No.14 above and the percentage of components of inputs will be calculated based on the actual quantity during execution.</p>

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Adjustment for cement component

- (i) Price adjustment for increase or decrease in the cost of cement procured by the contractor shall be paid in accordance with the following formula.

$$V_c = 0.85 \times P_c / 100 \times R \times (C_i - C_o) / C_o$$

V_c = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for cement

C_o = The all India average wholesale price index for Grey cement for the quarter in which bids are opened as published by the Ministry of Commerce & Industry, Government of India, New Delhi

C_i = The all India average wholesale price index for Grey cement for the quarter under consideration as published by Ministry of Commerce & Industry, Government of India, New Delhi

P_c = Percentage of cement component of the work, as per actual consumption of cement in the reference quarter as per the milestone.

Adjustment for steel component

- (ii) Price adjustment for increase or decrease in the cost of steel procured by the Contractor shall be paid in accordance with the following formula:

$$V_s = 0.85 \times P_s / 100 \times R \times (S_i - S_o) / S_o$$

V_s = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for steel

S_o = The all India average wholesale price index for steel (Rebars) for the quarter in which bids are opened as published by the Ministry of Commerce & Industry, Government of India, New Delhi

S_i = The all India average wholesale price index for steel (Rebars) for the quarter under consideration as published by Ministry of Commerce & Industry, New Delhi

P_s = Percentage of steel component of the work, as per actual consumption of steel in the reference quarter as per the milestone.

Note: For the application of this clause, index of Rebars has been chosen to represent steel group.

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		<p><u>Adjustment for CI Pipes & Specials</u></p> <p>(vii) Price adjustment for increase or decrease in cost of CI Pipes & Specials shall be paid in accordance with the following formula:</p> $V_D = 0.85 \times P_D / 100 \times R \times (D_i - D_o) / D_o$ <p>V_D = Increase or decrease in the cost of work during the quarter under consideration due to changes in rates for CI Pipes & Specials</p> <p>D_o = The all India average wholesale price index for Pig Iron for the quarter in which bids are opened as published by the Ministry of Commerce & Industry, Government of India, New Delhi.</p> <p>D_i = The all India average wholesale price index for Pig Iron for the quarter under consideration as published by Ministry of Commerce & Industry, Government of India, New Delhi.</p> <p>P_D = Percentage of CI Pipes & Specials component of the work as per actual consumption of cement in the reference quarter as per the milestone..</p>
16		<p><u>Bonus for advance completion of work:</u></p> <p>Any work completed in advance by not less than 10% of the agreement period can be considered and bonus of 1% on the value of actual quantum of works executed at tendered rate may be paid.</p>
17		<p><u>Financial Capability:</u></p> <p>The financial capability of the tenderer will be calculated as under:</p> <p>Assessed Available Financial capacity = $(A \times N \times 1.5 - B)$</p> <p>Where,</p> <p>A = Maximum value of turnover in any one of the previous 5 year i.e from 2008-09 to 2012-13 and updated to current year price level @ 6% per annum.</p> <p>N = Number of years prescribed for completion of the works for which bids are invited = 9/12 Year</p> <p>B = Value at current year price level, of existing commitments and on-going works to be completed during the contract period.</p> <p>The tenderer should attach reports on the financial standing of the tender such as Balance Sheet, Profit & Loss statement certified by Chartered Accountant.</p>

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	18	The statements showing the value of existing commitments and ongoing works as well as the stipulated period of completion remaining for each of the works listed should be furnished in the format prescribed in Page No.23
	19	The tenderer is requested to give an undertaking for additional conditions for the cleaning and maintenance of sewerage system (including septic tanks). The same shall be strictly followed without fail with respect to ban on entry of sanitary workers into sewerage system.

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UNDERTAKING

ADDITIONAL CONDITIONS FOR THE CLEANING AND MAINTENANCE OF SEWERAGE SYSTEM (INCLUDING SEPTIC TANKS)

I / We aged
about years, S/o
residing at

I am / are aware of the direction of the Hon'ble High Court of Madras in its order dated 20.11.2008 in W.P. NO. 24403/2008 and the orders of the Government of Tamil Nadu in G.O.(Ms) No.293, M.A & W.S (MW) Department, dated 26.11.2010, regarding the ban on manual scavenging and on the entry of sanitary workers into the sewerage system of septic tank. I undertake to abide by the said directions of the High Court and Government Order in this regard. All cleaning and maintenance operations shall be done only through mechanical devices.

I / We shall not allow sanitary workers to enter into the sewerage system / septic tank for cleaning or maintenance operations except in the 4 circumstances permitted in the orders of the High Court in W.P. No. 24403, dated 20.11.2008. I am aware that even in these 4 circumstances, I should allow the workers to enter only with adequate safety gadgets and under the supervision of a qualified staff, and only after duly observing all safety precautions including testing for the presence of toxic gases.

I / We am/are aware that violation of the said directions of the Hon'ble High Court and the G.O. will attract punishment under section 14 of the Employment of Manual Scavengers and Construction of Dry Latrines (Prohibition) Act, 1993.

I / We shall not allow sanitary workers to enter into the sewerage system / septic tank for cleaning or maintenance operations except in the 4 circumstances permitted in the orders of the High Court in W.P. NO. 24403/2008, dated 20.11.2008 as follows:

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- 1) For the removal of concrete / FRP manhole door which gets damaged due to the heavy vehicular traffic and often falls inside the manhole causing obstructions / blocks in the sewer and which results in the blockage of sewerage system, and where mechanical equipments cannot be put into operation.
- 2) For the purpose of inter-linking the newly laid sewer main with the existing sewer main, where it will be wholly necessary to block the main sewer main in the servicing manhole. Entry of sanitary workers on such occasions has to be necessarily permitted, in as much as it is stated that large size sewer i.e. where the diameter is more than 300 mm, blocking the sewer main from the top of the manhole is not possible and only the sanitary worker has to enter the manhole and that too with necessary safety gadgets for blocking the sewer temporarily.
- 3) For the removal of submersible pump sets fixed at the bottom of the suction wells, which goes out of order, for which the sanitary worker has to enter the well again with necessary safety gadgets after emptying the sewage from the well in order to remove the pumpset. It is made clear that before allowing any sanitary worker to enter on such occasions, steps should be taken to see that the sewage is totally emptied and thereby further ensure that no poisonous gas remains in the sewage line.
- 4) For the reconstruction of the manhole of rectification of the sewer main due to any damage caused by sinking of man hole covers / sewer line when the sewage pipe line gets blocked or gets obstructed, which results in the system getting surcharged. Here again, before allowing any sanitary worker to enter the sewer line, it is essential that sewage line is emptied by blocking the manholes in the system on either side of the sinking manholes / damaged manholes.

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Even in the above four instances, I / We will allow the workers to enter only with adequate safety gadgets and under the supervision of a qualified staff, and only after duly observing all safety precautions including testing for the presence of toxic gases with a gas detector. Naked flame method of testing the presence of poisonous gases is hazardous and should be strictly avoided.

- a. Even in the non-exceptional circumstances, consideration of safety of the workers shall be paramount and the contractor shall ensure the same.
- b. I / We will indemnify the employer for any loss or damage caused by his negligence or by his non-observance / violations of any labour laws.
- c. I / We will take out insurance policies under the Workmen's Compensation Act, 1923 for all the workers engaged by him and a photocopy of the insurance policy should be furnished to the employer. The policy should be kept alive till completion of the contract.
- d. I / We will impart safety education to all his workers and train them in the use of safety gadgets.

Signature of the Contractor
with seal

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CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD
NOTICE INVITING TENDER
LOCAL COMPETITIVE BIDDING

Sealed Bids are invited from the eligible bidders for the following works. Bidding will be conducted through Local Competitive Bidding procedures of CMWSSB under single cover system conforming to the Tamil Nadu Transparency in Tenders Act, 1998 and Rules 2000.

Sl. No.	Name of Work and Contract No.	Due Date and time of bid submission	Approximate value of Tender Rs/ Lakh	E.M.D. in Rs.	Tender schedule available From - To	Eligibility	Contract Period
1	Rerouting of collapsed sewer in Lloyds Road to Ram Nagar pumping station in Depot 120 in Area-IX CNT/SEW/GOTN/ CMCDM/2352A/2013-14	23.07.2013 Upto 03.00 PM	104.77	62,400/-	04.07.2013 To 22.07.2013	Class I A	9 Months
2	Date & time for opening of tenders	23.07.2013 after 3.00PM If the due date happens to be a holiday, the tenders will be received and opened on the next working day.					
3	Availability of Tender Schedule in person	Information & Facilitation Officer, Ground Floor, CMWSS Board, No. 1 Pumping Station Road, Chintadripet, Chennai-600002 (Telephone: 044-28451300, Extn. 227)					
4	Through Website	www.chennaietrowater.tn.nic.in & www.tenders.tn.gov.in The downloaded document should be properly bounded and submitted for tendering along with necessary enclosures at free of cost.					
5	Cost of Tender Schedule	Free of cost. The document will also be sent by surface mail on an extra advance payment of Rs.500/- per set for each work separately.					
6	Address for information and clarifications and for receipt of tenders	Office of Superintending Engineer, Contracts & Monitoring, 4 th Floor, CMWSS Board, No.1, Pumping Station Road, Chintadripet, Chennai – 600 002 Phone No. 044-2845 1300, Extn. 253 FAX : 044-2845 4336 Email : secm@chennaietrowater.com ; secandm@gmail.com					
7	e-bid submission & portal	Also permitted through portal www.tntenders.gov.in					

SUPERINTENDING ENGINEER
(CONTRACTS & MONITORING)

Signature of the tenderer with seal

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SPECIAL INSTRUCTIONS TO BIDDERS FOR E-BID SUBMISSION

The above tender notice is also available on the web site www.tntenders.gov.in. This site permits downloading of the tender documents at free of cost. The intending tenderers may visit this site and download the tender document at free of cost and use it for tender submission.

The tenderer is also permitted to upload the tender on the web site using the e-token.

The following list of items is to be uploaded by the tenderer (or) bidder within the date & time of submission of bids.

1. **Earnest Money Deposit**

Scanned copy of the Demand Draft/ Pay Order / Banker's Cheque in the acceptable manner as mentioned in the tender schedule.

2. **Letter of Tender:** Should be signed & the scanned copy of the Letter of Tender, along with the relevant documents in PDF format as one file.

The originals for the above (Item No. 1&2) should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission date & time for the tender.

3. **Schedule of Works / Bill of Quantities:** The Bidder has to fill only the rates/ percentage in figures in the columns provided in Bill of Quantities in excel form and uploaded as boq.xls file. The same file may also be converted into pdf and uploaded.

The Digital Signature Certificate/ e- token may be obtained from one of the authorized Digital Certifying Authorities such as SIFY / SCS (TCS) / nCode, at the risk and cost of the bidder.

During e-submission of tenders, the following special cares are to be taken:

- 1) Bidder should do the registration in the tender site using the option available. Then the Digital Signature registration has to be done with the e-token, after logging into the site.
- 2) Bidder then login to the site thro' the secured log in by giving the password of the e-token & then the user id/ password chosen during registration.
- 3) The e-token that is registered should be used by the bidder and should not be misused by others.
- 4) After getting the tender schedules, the Bidder should go thro' them carefully and then submit the documents as asked, otherwise, the bid will be rejected.
- 5) If there are any clarifications, this may be obtained online thro' the tender site, or thro' the contact details. Bidder should take into account of the corrigendum published before submitting the bids online.
- 6) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender schedule and they should be in PDF format. If there are more than one document, they can be clubbed together.

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- 7) Bidder should get ready the EMD as specified in the tender. The original should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission date & time for the tender.
- 8) The bidder read the terms & conditions and accepts the same to proceed further to submit the bids.
- 9) The bidder has to select the payment option as offline to pay the fee & EMD as applicable.
- 10) The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the bid submitted will not be acceptable.
- 11) The rates / percentage offered details have to be entered separately against the specified place in the downloaded spread sheet file (xls) and should be submitted as boq.xls file during the e-bid submission.
- 12) The bidders are requested to enter the individual rates / percentage offered in the boq.xls file considering all aspects inclusive of any rebates, etc. No separate rebate or discount should be entered at the end of BOQ. The uploaded boq.xls will not be available for subsequent modification.
- 13) Resubmission/modification allowed. The latest bid submission will supercede the earlier submission. However, the resubmission/modification bid should reach before the deadline of submission.
- 14) The tendering system will give a successful bid updation message after uploading all the bid documents submitted & then a bid summary will be shown with the bid number & the 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
- 15) The bid summary has to be printed and kept as an acknowledgement as a token of the submission of the bid.
- 16) The bid summary 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.
- 17) The bidder may submit the bid documents either by online mode through the site (<http://tntenders.gov.in>) or by manual mode to the department. If a bidder submits the bid, both online and in manual form, only the online bid will be acceptable.
- 18) For any clarifications with the TIA, the bid number can be used as a reference.

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- 19) 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.
- 20) Each document to be uploaded thro' online for the tenders should be less than 2 MB. If any document is more than 2MB, it can be reduced thro' zip and the same can be uploaded. However if the file size is less than 1 MB the transaction uploading time will be very fast.
- 21) The time settings 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 during bid submission.
- 22) All the data being entered by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered will not be viewable by unauthorized persons during bid submission & not be viewable by any one until the time of bid opening. Overall, the submitted tender documents become readable only after the tender opening by the authorized individual.

For any other queries, the bidders are asked to contact thro'

Mail: secm@chennaietrowater.com

Phone no.: 044-28451300-320, Extn. 209 or 253 well in advance

This Department will not be held responsible for any sort of delay or the difficulty faced in the e-bid submission of tenders online by the bidders.

SUPERINTENDING ENGINEER(C&M)

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LETTER OF TENDER

To be delivered to the Superintending Engineer, C&M Chennai Metropolitan Water Supply and Sewerage Board at or before 3.00 P.M. on **23.07.2013**.

To
The Managing Director
Chennai Metropolitan Water Supply & Sewerage Board
Chennai- 600 002
Sir,

I/We the undersigned do hereby tender and undertake to perform, provide and execute all the works, materials matters and things described or mentioned in the Schedule (Bill of quantities) hereto annexed and the specifications thereto and drawings therein referred to (which have been produced to and carefully examined by me/us) in strict accordance with and under and subject to the terms, provisions and conditions set forth or mentioned in the said Schedule (Bills of Quantities) specifications and the drawings therein referred to, at the rates given and as stated in the Bills of quantities.

I/We herewith enclose D.D/B.C./P.O No..... datedfor having remitted Rs..... into the Board's Cash Section as a guarantee for the due fulfillment of my/our tender, and if successful, undertake and agree to forward to the Board within fourteen days after the notification of the acceptance by the Board of this tender has been received by me/us, the sum as demanded in the Form and manner required as security for the due fulfillment of my/our contract.

I/we undertake and agree that I/We will not withdraw this tender during the period that will be required for intimation, acceptance or non/acceptance as stipulated in clause 15 on the Notice Inviting Tender or during such extended period as agreed to by me/us, such period to date from the last date by which tenders are due to be submitted to the Board and if I/We do so withdraw, I/We shall forfeit the Earnest Money Deposit to the Board.

I/We further undertake to produce the Income-tax Clearance Certificate and the certificate and the Sales Tax Verification Certificate from the Commercial Tax Department of this State and agree to execute at my/our cost the agreement attached and to sign the plans therein referred to within 14 days after the notification of the acceptance of my/our tender has been received by me/us. In the event of my/our failing to make the Security Deposit or to execute the agreement in the said manner and sign the plans within the time specified for the purpose, the sum of **Rs. 62,400/-** accompanying this tender shall be forfeited to the Board and this concluded contract shall in such case be considered, as having been cancelled or terminated and you may thereupon at such time or times, in such manner and on such terms as you may think fit, arrange either departmentally or by any other person or persons to carry out the works and provide, execute and do all works, materials, matters and things described or mentioned herein and I/We agree to be liable irrespective of the forfeiture aforesaid for all damages, losses, costs, charges and expenses arising from or by reason of such failure and arrangements.

Signature of the tenderer with seal

Name of work: Rerouting of collapsed sewer in Lloyds Road to Ram Nagar pumping station in Depot 120 in Area-IX
Contract No.: CNT/SEW/GOTN/ CMCDM/2352A/2013-14

I/We undertake to assume full responsibility for the stability and soundness of the Works/structures that will be executed by me/us as per this contract.

I/We also undertake to do all extra or varied works which may be ordered as part of this contract upon the terms provided for in the conditions and specifications. The tenders shall be valid for a period of 90 days from the last date fixed for receipt of tenders. In case my/our tender for the work of **“Rerouting of collapsed sewer in Lloyds Road to Ram Nagar pumping station in Depot 120 in Area-IX”** is accepted, I/We agree and guarantee to commence the said works within a period of seven days from the date of receipt of work order and complete the entire work as stipulated for a period of **9 months** from the date of commencement of the work by me/us. I/We also agree that time is the essence of contract. I/We have actually inspected the site of works and have tendered for the works after such inspection.

UNDERTAKING

I/We have gone through the copy of standard tender document received from the Office of the Contracts and Monitoring wing and abide by the same for this contract also.

As witness my/our hand this.....day of.....2013.

Signature of the tenderer with seal

Name and
address:

Name of work: Rerouting of collapsed sewer in Lloyds Road to Ram Nagar pumping station in
Depot 120 in Area-IX

Contract No.: CNT/SEW/GOTN/ CMCDM/2352A/2013-14

PRICE SCHEDULE

1. This tender has been called for in the percentage tender system. In the work schedule, detailed items of works involved in the work with specifications along with the quantity, the departmental rates and amount for individual items are furnished. The total value of the work is also furnished.
2. The tenderers are requested to quote the percentage variation over the total departmental value, which will be applicable for all items of works, individually and uniformly at which they are willing to execute the works, in the following format. In case any discrepancy / correction are found between figures and words furnished for the percentage, then the LOWER percentage among them ALONE will be taken as correct.

Name of work: Rerouting of collapsed sewer in Lloyds Road to Ram Nagar pumping station in Depot 120 in Area-IX
Contract No.: CNT/SEW/GOTN/ CMCDM/2352A/2013-14

ABSTRACT

Sl. No.	Description of Works	Amount in Rs. P.
1	Rerouting of collapsed sewer in Lloyds Road to Ram Nagar pumping station in Depot 120 in Area-IX	10477067.62
	Say	10477068.00

Name of work: Rerouting of collapsed sewer in Lloyds Road to Ram Nagar pumping station in Depot 120 in Area-IX

Contract No.: CNT/SEW/GOTN/ CMCDM/2352A/2013-14

WORK SCHEDULE

Sl. No.	Description of works	No. of Quantity	Rate		Per	Amount	
			Rs.	P.		Rs.	P.
1	Construction of manhole at various depths to invert including earth work excavation as per SS 20B, laying cement concrete in CM 1:3:6 using 40mm BG for foundation, sinking well kerb below GL for 4.5m depth and above, pumping, timbering charges for 2.5m depth and above, stock brick work in CM1:3 for 23mm thick wall and over 23mm wall plastering interior with CM 1:3, 20mm thick and exterior with CM 1:3, 12mm thick, laying plain cement concrete 1:3:6 using 12mm to 20mm brick jelly fixing and fram, providing CI steps, Manhole cover and frames, benching and channelling including refilling the trenches with excavated earth and disposal of surplus earth etc. complete for the following sizes for each Manhole (as per the type design drawing for Man Holes)						
a)	at 3.5m depth	6.00 Nos.	42466.00		Each	254796.00	
b)	at 4.0m depth	6.00 Nos	48473.00		Each	290838.00	
2	Barricade work along as side of the trench for laying the pipe line with casurina post @1.52m c/c (8 to 10cm dia and 1.52m height) verticals, painting the vertical post in different colours, tying with coir rope , fixing danger flags, danger lights, reflectors including watching during night for 1 meter.	756.00 m	21.00		m	15876.00	

Signature of the tenderer with seal

Name of work: Rerouting of collapsed sewer in Lloyds Road to Ram Nagar pumping station in Depot 120 in Area-IX

Contract No.: CNT/SEW/GOTN/ CMCDM/2352A/2013-14

Sl. No.	Description of works	No. of Quantity	Rate	Per	Amount
			Rs. P.		Rs. P.
3	Supplying, Laying, jointing & testing of the following size of CI pipes including earth work excavation for trenches in hard stiff clay, stiff black cotton, hard red earth, shales, muram, gravel, stoney earth, and earth mixed with small size boulders and hard gravel soil disposing the earth on banks with and initial lead of 10.m and carting the pipes from any of the Board stores to the site of the work lowering into the trenches and aligning including back filling the trenches with excavated soil and disposal of surplus earth, watering and ramming to consolidation etc. complete (timbering included for depths 2.5m, 3.0m , 3.5m, up to 8.5m) 600mm dia pipe				
	at 3.5m depth	177.00 m	20753.04	m	3673288.08
	at 4.0m depth	167.00 m	21160.04	m	3533726.68
	at 4.5m depth	34.00 m	22235.04	m	755991.36
4	Bailing out water using hire charges for Diesel pumpsets above 3 H.P to 7.5 H.P including cost of fuel and machinery for running the machinery.	13775.00 Hrs	139.70	Hrs	1924367.50
5	CC1:3:6 providing end concrete for pipe line for 600mm pipe	10.40 Cu.m	2710.00	Cu.m	28184.00
	Total				10477067.62

Signature of the tenderer with seal

Name of work: Rerouting of collapsed sewer in Lloyds Road to Ram Nagar pumping station in Depot 120 in Area-IX

Contract No.: CNT/SEW/GOTN/ CMCDM/2352A/2013-14

MILE STONE

Description of Milestones (physical implementation of Construction contract)

Sl.No	Description of work	Quantity	Milestones (% of cumulative completion of work)		
			Quarter 1	Quarter 2	Quarter 3
			0-3 months	3-6 months	6-9 months
1	Rerouting of Collapsed sewers in Lloyds Road to Ram Nagar pumping station in Depot 120 in Area-IX	100%	30%	70%	100%

The Liquidated damage for the whole of the works is Rs.5239/- per day and that for the milestone are as under:

For milestone 1 - Rs.1572.00 per day

For milestone 2 - Rs.2095.00 per day

For milestone 3 - Rs.1572.00 per day

Name of work: Rerouting of collapsed sewer in Lloyds Road to Ram Nagar pumping station in Depot 120 in Area-IX
 Contract No.: CNT/SEW/GOTN/ CMCDM/2352A/2013-14

EXISTING COMMITMENTS

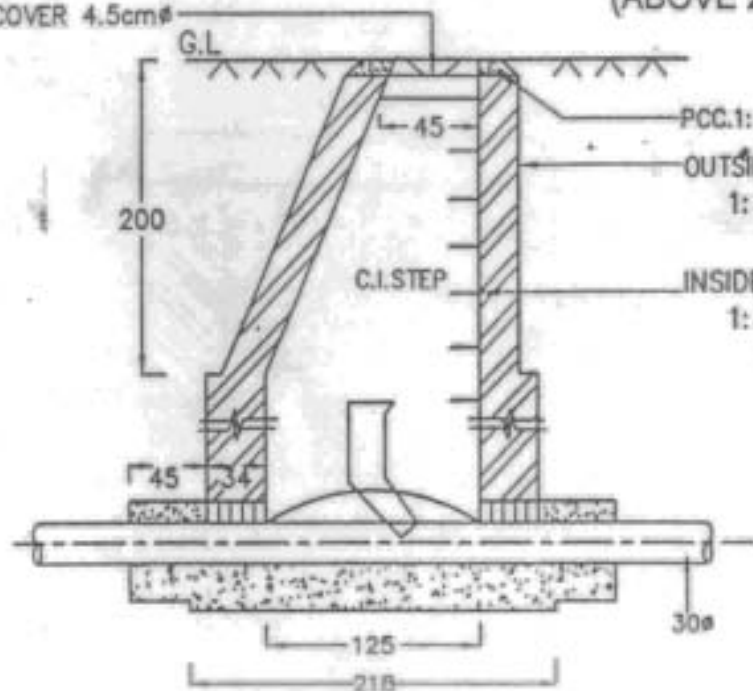
The statements showing the value of existing commitments and ongoing works as well as the stipulated period of completion remaining for each of the works listed should be furnished in the format prescribed below:

Description of work (1)	Place and State (2)	Contract No. & Date (3)	Name and Address of the Employer (4)	Value of Contract (Rs. Lakh) (5)	Stipulated period of completion (6)	Value of works remaining to be completed (7) (Rs.Lakhs)	Anticipated date of completion (8)

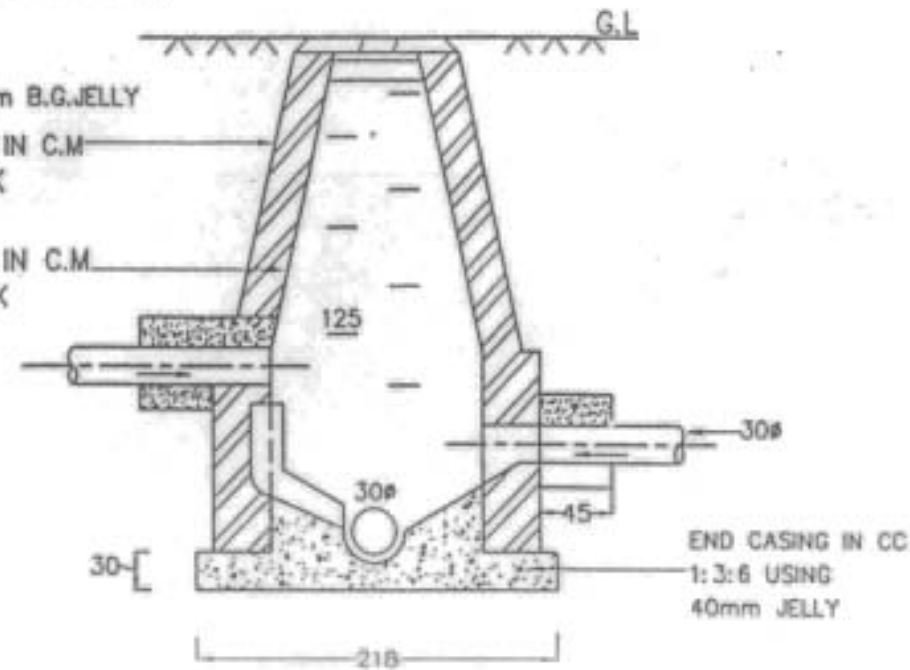
DETAILS OF CIRCULAR MANHOLE

(ABOVE 2.5m DEEP TO INVERT)

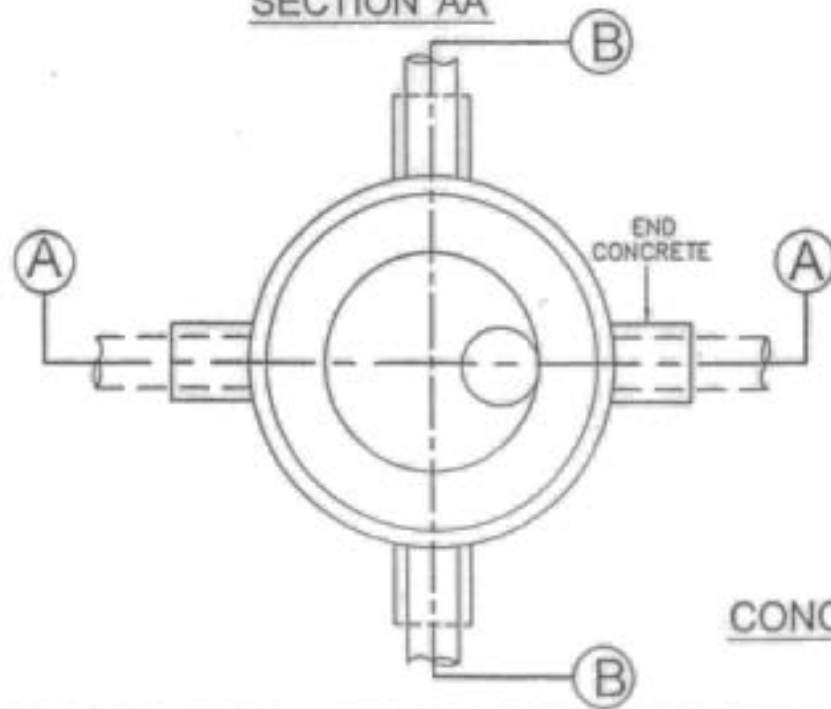
C.I. M.H. COVER 4.5cm ϕ



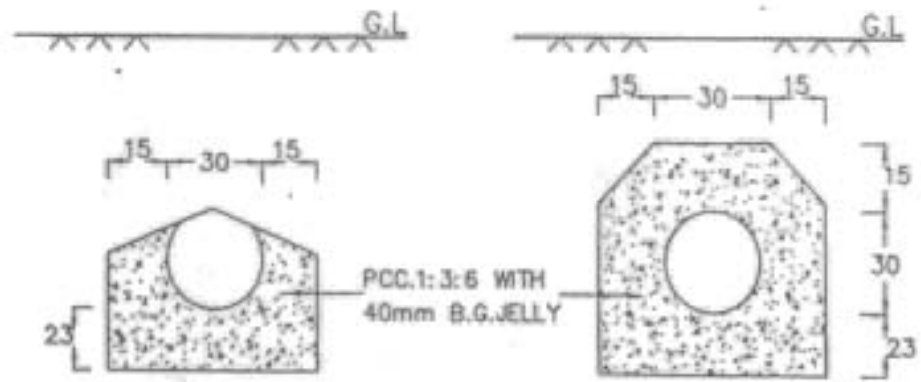
SECTION 'AA'



SECTION 'BB'



CONCRETE AROUND PIPE



PARTIAL ENCASING

DEPTH FROM 2.5m TO 8.0m

FULL ENCASING

DEPTH ABOVE 2.0m AND LESS THAN 1.0m

NOTE : ALL DIMENSIONS ARE IN CM