

Name of Work: Construction of compound walls including repairs to the existing damaged compound wall for the lands in AUA Division.

Contract No. CNT/WSS/MWB/2041/2010-2011

CHECK LIST FOR THE GUIDANCE OF THE CONTRACTOR

I	The Tender schedule for the above work consists of 23 pages as detailed below:	
	(i)	Checklist for the guidance of the Contractors, details of Bonus clauses Page – 1-3
	(ii)	Notice Inviting Tender Page - 4
	(iii)	Special Instructions to bidders for e-submission Page – 5 - 7
	(iv)	Letter of Tender 2 pages Page – 8-9
	(v)	Price schedule Page – 10-11
	(vi)	Work schedule containing details of Works Page –12-19
	(vii)	Mile stone Page -20
	(viii)	Drawings - 3 Nos
II	1	The total number of items in the work schedule – 44 Nos and the departmental value works out to Rs.42,88,593.49.
	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 summarily rejected.
	3.	Technical specification of the equipment offered by the Bidders and any other information related to the bid may be enclosed along with Tender Schedule after duly Signing in all the pages.
	4.	Bidders are requested to verify the number of pages in the tender schedule, 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.
	5.	The present tender document contains detailed estimate 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.
	6.	<u>Eligibility :</u> Contractors registered in CMWSSB in Class- II A and above (i.e. those who are eligible to take up the work costing above Rs.30.00 lakh) are eligible to tender for this work. Contractors registered in other departments and undertakings of the Central or State Government in the corresponding class for taking up such work, who have executed similar works of the same or higher magnitude are also eligible to tender for this work. Contractors not Registered in the Board and who intend to participate in the tender, subject to their eligibility as above are requested to obtain a copy of the Standard tender document from the Office of the Contracts wing before submitting their Tender. They should furnish Proof for their registration in the appropriate class and experience as indicated above while submitting their tenders, otherwise their tenders will be treated as non responsive. The tender received from ineligible contractors will be treated as non responsive. However the successful tenderer will have to get himself registered in the Board in the appropriate class.
	7.	EMD in the form of Demand Draft or Bankers Cheque or Pay Order drawn from Nationalised / Scheduled Bank / TNSC Bank in favour of CMWSS Board, should be

Signature of Tenderer with Seal

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	enclosed in a separate cover superscribed " EMD for contract No. CNT/WSS/MWB/2041/2010-2011 Tenderers having Current Account with ICICI Bank may make payment online through ICICI Bank gateway for e-submission of tender. Tenders not accompanied by a separate cover containing EMD in the specified form will not be opened.
8.	<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: a). Form in which S.D. collected. In the shape of NSC/NSS/KVP/Post office Term 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. (OR) Fixed Deposit for the required period from nationalized/schedule Bank/TNSC Bank in favour of Managing Director, CMWSS Board. (OR) Certified cheque/Bank Draft or Pay Order in favour of CMWSS Board payable at Chennai.
b)	The value of Security Deposit 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.
9.	All duties, taxes 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 takes effect from a date subsequent to the due date for receipt of Tender, shall be to CMWSS Board's Account.
10.	Milestone details for completion of works and details of penalty for the non completion of work are furnished in the Milestone at Page No.20 . Tenderers are requested to take note of the details. The above details will be incorporated in the contract documents while executing agreement.
11.	<u>Tender Validity</u> Tenders shall remain valid for a period of not less than (90 days) ninety days after the due date for bid submission. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.
12.	No cheque will be accepted towards Earnest Money Deposit.
13.	Tenders with conditions are liable for rejection.

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14.	The defects liability period is as follows: (a) For Pipe line Works - Five Years (b) For Civil Works - Five Years (c) For Electrical & Mechanical - Three Years
15	<u>Bonus for Advance completion of work</u> 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.

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CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD
NO.1, PUMPING STATION ROAD, CHINTADRI PET, CHENNAI-600 002.
NOTICE INVITING TENDER
LOCAL COMPETITIVE BIDDING

Sealed tenders are invited from the eligible tenderers for the following works:

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.	Construction of compound walls including repairs to the existing damaged compound walls for the lands in AUA Division CNT/WSS/MWB/2041/2010-11	22.09.2010 up to 3.00 PM	42.89	31,500/-	03.09.2010 to 21.09.2010	Class II A and above	180 Days
2.	Date & time for opening of tenders	on 22.09.2010 after 3.00 PM					
3.	Availability of Tender Schedule in person	Information & Facilitation Officer, 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					
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.					
6.	Address for information and clarifications and for receipt of tenders	Office of Superintending Engineer, Contracts & Monitoring, 4 th Floor, CMWSS Board, Chennai – 600 002 Phone No. 044-2845 1300, Extn. 253 FAX : 044-2845 4336					
7.	e-bid submission & portal	Permitted through portal www.tntenders.gov.in					

SUPERINTENDING ENGINEER
(CONTRACTS & MONITORING)

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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

In case of offline payment, scanned copy of the Demand Draft/ Pay Order / Banker's Cheque in the acceptable manner as mentioned in the tender schedule.

Tenderers having Current Account with ICICI Bank may make payment online through ICICI Bank gateway.

2. Letter of Tender: Should be signed & the scanned copy of the signed 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 the rates in figures in the columns provided in Bill of Quantities in excel form and uploaded as boq.xls file. The signed copy of the above BOQ may also be scanned and converted into pdf and uploaded. The Bill of Quantities file (i.e. Excel) has macros. The Security settings in Excel program (via : Tools/Options/Security) should be set to Medium or Low to open the file. When excel prompts with "Disable / Enable Macros", Choose Enable Macros.

All documents should be digitally signed using bidder's digital signature certificate prior to uploading through the Govt. Tenders portal

The Digital Signature Certificate/ e- token may be obtained from one of the authorised Digital Certifying Authorities such as SIFY, nCode & TCS 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.

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- 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 and BOQ in Excel (.xls) format. If there is more than one document, they can be clubbed together.
- 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 online/offline to pay the fee & EMD as applicable.
- 10) Bidders having current account with ICICI may make the EMD payment online thro' the ICICI payment gateway during the e-submission of the tender.
- 11) In the case of offline payment, 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.
- 12) The rates 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.
- 13) The bidders are requested to enter the individual rates 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.
- 14) The bidders can submit the bids only once and thereafter, it is not possible to make changes in the bids submitted.
- 15) 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

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- 16) The bid summary has to be printed and kept as an acknowledgement as a token of the submission of the bid.
- 17) 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.
- 18) For any clarifications with the TIA, the bid number can be used as a reference.
- 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 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 authority.

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

Mail: secm@chennaietrowater.com

Phone no.: 044-28451300-320, Extn. 209 or 255 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 22.09.2010

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 Demand Draft/ Bankers Cheque/ Pay Order No..... dated 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 the 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. 31,500/-** 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

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damages, losses, costs, charges and expenses arising from or by reason of such failure and arrangements.

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 next day of last date fixed for receipt of tenders .In case my/our tender for the work of **“Construction of compound walls including repairs to the existing damaged compound wall for the lands in AUA Division.”**, is accepted, I/We agree and guarantee to commence the said works within a period of seven days from the date and complete the entire work within the stipulated period of **180 Days** months from the date on which the work order received 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.....2010.

Signature.....

Name and
Address
of tenderer

Signature of Tenderer with Seal

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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.

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FILL UP ANYONE OF THE FORM NO:A, B or C
STRIKE OUT THE FORM WHICH IS NOT APPLICABLE.

FORM NO:A

I / We agree to execute the work of “**Construction of compound walls including repairs to the existing damaged compound wall for the lands in AUA Division.**” with a tender percentage of (-) Minus-----
------(in words) -----(in figures) over departmental value of Rs.42,88,593.49 as furnished in the work schedule which is also applicable for all items of works, individually and uniformly over the departmental rates, furnished in the work schedule.

FORM NO. B

I / We agree to execute the work of “**Construction of compound walls including repairs to the existing damaged compound wall for the lands in AUA Division**” at the department value of **Rs.42,88,593.49** for all items of work furnished in the schedule.

FORM NO:C

I / We agree to execute the work of “Construction of compound walls including repairs to the existing damaged compound wall for the lands in AUA Division” with a tender percentage of (+) Plus -----(in words) ----- (in figures) over departmental value of Rs.42,88,593.49 as furnished in the work schedule which is also applicable for all items of works, individually and uniformly over the departmental rates, furnished in the work schedule.

NOTE:

1. The Tenderers are requested to strike out the form which is not applicable
2. If any two or three forms are filled by the Tenderers the LOWEST percentage quoted by the tenderer will be considered.
3. If there is any discrepancy in percentage quoted in words and in figures the lowest percentage quoted will be considered.
4. If the tenderer failed to fill/strike out any or all of the form, the department value will be taken as quoted rate.

Signature of Tenderer with Seal

ABSTRACT

Name of the Work: Construction of compound walls including repairs to the existing damaged compound wall for the lands in AUA Division

Contract No. CNT/WSS/MWB/2041/2010-2011

Bill No	Description of works	Amount in Rs. P
I	Construction of compound walls including repairs to the existing damaged compound walls for the lands in AUA Division.	2161119.65
II	Construction of Compound Wall at Mogappair West Head Works, in AUA division	1612686.12
III	Construction of Damaged portion of the Compound Wall at Mogappair East HT sewage pumping station, in AUA division.	514787.72
	Total amount in figures	4288593.49

SCHEDULE

Name of the Work: Construction of compound walls including repairs to the existing damaged compound wall for the lands in AUA Division.

Contract No. CNT/WSS/MWB/2041/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
Bill No : I Construction of compound walls including repairs to the existing damaged compound walls for the lands in AUA Division.						
1	Clearing heavy jungles	7511.00	Sq.m	2.60	Sq.m	19528.60
2	Dismantling the existing works.					
a)	RCC work	20.00	Cu.m	2083.00	Cu.m	41660.00
b)	Brick Masonry in Cement motar walls under 3.00m high	38.00	Cu.m	79.90	Cu.m	3036.20
3	Excavation in hard stiff clay, stiff black cotton, hard red earth, shales, muram, gravel stoney earth and earth mixed with small size boulders as per SS 20B with initial lead of 10m and lift of 2.0m	116.00	Cu.m	69.60	Cu.m	8073.60
4	Cement concrete 1:3:6 using 40mm gauge hard broken stone jelly for plain cement concrete works including laying in layers of not more than 15cm thick including ramming curing, etc., complete	30.00	Cu.m	2228.00	Cu.m	66840.00
5	Cement concrete 1:2:4 using 20mm gauge hard broken stone jelly for reinforced concrete works excluding centering shuttering and cost of steel reinforcement but including laying in position, compacting, curing, finishing, etc., complete	57.00	Cu.m	3248.00	Cu.m	185136.00
6	Supplying, fabricating and laying in position MS rounds or RTS rods for RCC works including cost of reinforcement, binding wire, cutting bending, cranking and tying in position with binding wire assembly, etc.	5117.00	Kg	43.00	Kg	220031.00
7	Providing form work with centering for soffits of RCC slabs or plain surfaces including strutting upto 3m height	544.00	Sq.m	458.00	Sq.m	249152.00
8	Brick work					
a)	Stock brick work with second class bricks in CM 1:4 for 23cm thick wall including curing etc complete	183.00	Cu.m	3012.00	Cu.m	551196.00

Signature of tenderer
with seal

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SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
Bill No : I Construction of compound walls including repairs to the existing damaged compound walls for the lands in AUA Division.						
b)	Stock brick work with second class bricks in CM 1:4 for over 23cm thick wall including curing etc complete	15.00	Cu.m	2669.00	Cu.m	40035.00
9	Plastering with CM 1:4 for 12mm thick including curing etc complete	725.00	Sq.m	73.00	Sq.m	52925.00
10	White washing one coat (old works)	4435.00	Sq.m	4.00	Sq.m	17740.00
11	Colour Washing two coats (old works)	4435.00	Sq.m	10.00	Sq.m	44350.00
12	Fabricating Supply and fixing and position of MS doors with single leave.the door outer frame will be 40x40x6 mm MS angle the shutter frame will be 35x35x6 mm, MS angle intermediate stiffner will be 35x35x6 mm with cross stiffner 25x 25x5 mm flats covered with 18 gauge M.S. sheet with necessary hinges, tower bolts, aldrop length 30mm and hold fast etc., complete with one coat red oxide primer.	44.00	Sq.m	2657.00	Sq.m	116908.00
13	Replacing the MS sheet of the Gates with 18 gauge MS sheets by welding, including replacing the bottom pipes with 50mm GI pipes and 50mm GI long bends for bottom corners, replacing the intermediate stiffners with 35x35x6 mm MS angle and cross stiffners with 25x25x5 mm MS angles etc with necessary hinges, tower bolts, aldrop length 30mm and hold fast etc., complete with one coat red oxide primer., including the hire/transportation charges for bringing the welding machine and machinaries to site	41.00	Sq.m	1818.00	Sq.m	74538.00
14	Painting with superior quality ready mixed paint of any approved colour two coats for new iron work	206.00	Sq.m	68.00	Sq.m	14008.00
15	Lettering the Land / Well details over the Gates	45.00	Sq.m	470.00	Sq.m	21150.00

Signature of tenderer
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SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
Bill No : I Construction of compound walls including repairs to the existing damaged compound walls for the lands in AUA Division.						
16	Transportation charges for Store return of the old gates	11.00	Nos	300.00	Nos	3300.00
17	Supplying and filling the well with earth or building rubbish including watering consolidation etc complete.	389.00	Cu.m	249.25	Cu.m	96958.25
18	Band course work flat 10mm to 12mm thick and 50mm deep with C.M. 1:3 including curing, etc., complete as directed	815.00	M	49.00	M	39935.00
19	Stucco plastering 12mm thick using blue granite chips of 10mm size and below over a base plastering with CM 1:5 12mm thick including curing etc., complete	1703.00	Sq.m	173.00	Sq.m	294619.00
	Total					2161119.65

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SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	Unit	Amount in Rs. P
Bill.no II: Construction of Compound Wall at Mogappair West Head Works, in AUA						
1	Excavation in hard stiff clay, stiff black cotton, hard red earth, shales, muram, gravel stoney earth and earth mixed with small size boulders as per SS 20B with initial lead of 10m and lift of 2.0m	104.00	Cu.m	69.60	Cu.m	7238.40
2	Supplying and filling sand for foundations and basement including watering consolidating ramming etc.complete	10.40	Cu.m	372.00	Cu.m	3868.80
3	Cement concrete 1:3:6 using 40mm gauge hard broken stone jelly for plain cement concrete works including laying in layers of not more than 15cm thick including ramming curing, etc., complete	23.40	Cu.m	2228.00	Cu.m	52135.20
4	Cement concrete 1:2:4 using 20mm gauge hard broken stone jelly for reinforced concrete works excluding centering shuttering and cost of steel reinforcement but including laying in position, compacting, curing, finishing, etc., complete	55.99	Cu.m	3248.00	Cu.m	181855.52
5	Supplying, fabricating and laying in position MS rounds or RTS rods for RCC works including cost of reinforcement, binding wire, cutting bending, cranking and tying in position with binding wire assembly, etc.	5039.13	Kg	43.00	Kg	216682.59
6	Providing form work with centering for soffits of RCC slabs or plain surfaces including strutting upto 3m height	464.67	Sq.m	458.00	Sq.m	212818.86
7	Stock brick work with second class bricks in CM 1:4 for over 23cm thick wall including curing etc complete	5.87	Cu.m	2669.00	Cu.m	15667.03
8	Stock brick work with second class bricks in CM 1:4 for 23cm thick wall including curing etc complete	111.11	Cu.m	3012.00	Cu.m	334663.32
9	Plastering with CM 1:4 for 12mm thick including curing etc complete	299.79	Sq.m	73.00	Sq.m	21884.67

Signature of tenderer
with seal

SCHEDULE

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SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	Unit	Amount in Rs. P
Bill.no II: Construction of Compound Wall at Mogappair West Head Works, in AUA						
10	Band course work flat 10mm to 12mm thick and 50mm deep with C.M. 1:3 including curing, etc., complete as directed	520.00	M	49.00	M	25480.00
11	Supplying and fixing 0.43 cu.m of broken glass pieces on the compound wall with cm 1:3 20mm thick including curing etc complete as directed	61.07	Sq.m	117.00	Sq.m	7145.19
12	Fabricating Supply and fixing and position of MS doors with single leave. The door outer frame will be 40x40x6mm MS angle, the shutter frame will be 35x35x6 mm, MS angle intermediate stiffner will be 35x35x6 mm with cross stiffner 25x 25x5 mm flats covered with 18 gauge M.S. sheet with necessary hinges, tower bolts, aldrop length 30mm and hold fast etc., complete with one coat red oxide primer. Gate for filling point - 6mx2.5m - 2Nos. Gate for Depot Office 4.5mx2.5m - 2Nos	52.50	Sq.m	2657.00	Sq.m	139492.50
13	Fabricating Supply and fixing and position of MS doors with single leave. The door outer frame will be 40x40x6mm MS angle, the shutter frame will be 35x35x6 mm, MS angle intermediate stiffner will be 35x35x6 mm with cross stiffner 25x 25x5 mm flats covered with 18 gauge M.S. sheet with necessary hinges, tower bolts, aldrop length 30mm and hold fast etc., complete with one coat red oxide primer. for Wicket Gate of size - 0.9mx 2.5m - 3Nos.	6.75	Sq.m	2657.00	Sq.m	17934.75
14	Painting with superior quality ready mixed paint of any approved colour two coats for new iron work	116.44	Sq.m	68.00	Sq.m	7917.92

Signature of tenderer
with seal

SCHEDULE

Name of the Work: Construction of compound walls including repairs to the existing damaged compound wall for the lands in AUA Division.

Contract No. CNT/WSS/MWB/2041/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	Unit	Amount in Rs. P
Bill.no II: Construction of Compound Wall at Mogappair West Head Works, in AUA						
15	Painting two coats with approved cement paint over one coat of cement paint over cement plastered wall surface, ceiling including cleaning preparing the surface and curing, etc., complete	1448.47	Sq.m	59.00	Sq.m	85459.73
16	Supplying and fixing barbed wire fencing over the existing compound wall with 'L' angle iron posts 50 x 50 x 6mm size and Length of 1.45m bent to shape at 2.5m centre with 6 rows of barbed wire and also in zig zag manner at 25cm c.c. connecting all the rows with barbed wire will be of 2 ply and 12 gauge or other approved size including drilling holes in 'L' angle iron posts and fixing the posts in cement concrete 1:2:4 of size 15x15x45cm including dismantling the existing brick work for laying concrete blocks and plastering with C.M. 1:4, 12mm thick, etc., complete as directed	260.00	M	322.00	M	83720.00
17	Stucco plastering 12mm thick using blue granite chips of 10mm size and below over a base plastering with CM 1:5 12mm thick including curing etc., complete	1148.68	Sq.m	173.00	Sq.m	198721.64
	Total					1612686.12

SCHEDULE

Name of the Work: Construction of compound walls including repairs to the existing damaged compound wall for the lands in AUA Division.

Contract No. CNT/WSS/MWB/2041/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	Unit	Amount in Rs. P
Bill noIII: Construction of Damaged portion of the Compound Wall at Mogappair East HT sewage pumping station, in AUA division.						
1	Excavation in hard stiff clay, stiff black cotton, hard red earth, shales, muram, gravel stoney earth and earth mixed with small size boulders as per SS 20B with initial lead of 10m and lift of 2.0m	90.75	Cu.m	69.60	Cu.m	6316.20
2	Supplying and filling sand for foundations and basement including watering consolidating ramming etc.complete	5.50	Cu.m	372.00	Cu.m	2046.00
3	Cement concrete 1:3:6 using 40mm gauge hard broken stone jelly for plain cement concrete works including laying in layers of not more than 15cm thick including ramming curing, etc., complete	8.25	Cu.m	2228.00	Cu.m	18381.00
4	Random Rubble masonry C.M. 1:3 including curing etc. complete	201.71	Cu.m	2162.00	Cu.m	436097.02
5	Pointing to the RR masonry work in CM1:3	456.50	Sq.m	75.00	Sq.m	34237.50
6	Supplying and fixing barbed wire fencing over the existing compound wall with 'L' angle iron posts 50 x 50 x 6mm size and Length of 1.45m bent to shape at 2.5m centre with 6 rows of barbed wire and also in zig zag manner at 25cm c.c. connecting all the rows with barbed wire will be of 2 ply and 12 gauge or other approved size including drilling holes in 'L' angle iron posts and fixing the posts in cement concrete 1:2:4 of size 15x15x45cm including dismantling the existing brick work for laying concrete blocks and plastering with C.M. 1:4, 12mm thick, etc., complete as directed	55.00	M	322.00	M	17710.00
	Total					514787.72

Signature of tenderer
with seal

Name of Work: Construction of compound walls including repairs to the existing damaged compound wall for the lands in AUA Division.

Contract No. CNT/WSS/MWB/2041/2010-2011

MILESTONE

Details of Milestone and Liquidated Damages					
S.No	Name of work	Qty. of work to be completed in %	Cumulative Qty of work to be completed		
			First Milestone Upto 60 days	Second Milestone Upto 120 days	Third Milestone Upto 180 days
1	Construction of compound walls including repairs to the existing damaged compound walls for the lands in AUA Division.	100%	25%	60%	100%
2	Construction of Compound Wall at Mogappair West Head Works, in AUA division	100%	25%	60%	100%
3	Construction of Damaged portion of the Compound Wall at Mogappair East HT sewage pumping station, in AUA division.	100%	25%	60%	100%

The Liquidated damages for the whole of the works are Rs 2145 /- per day and that for the milestone are as under,

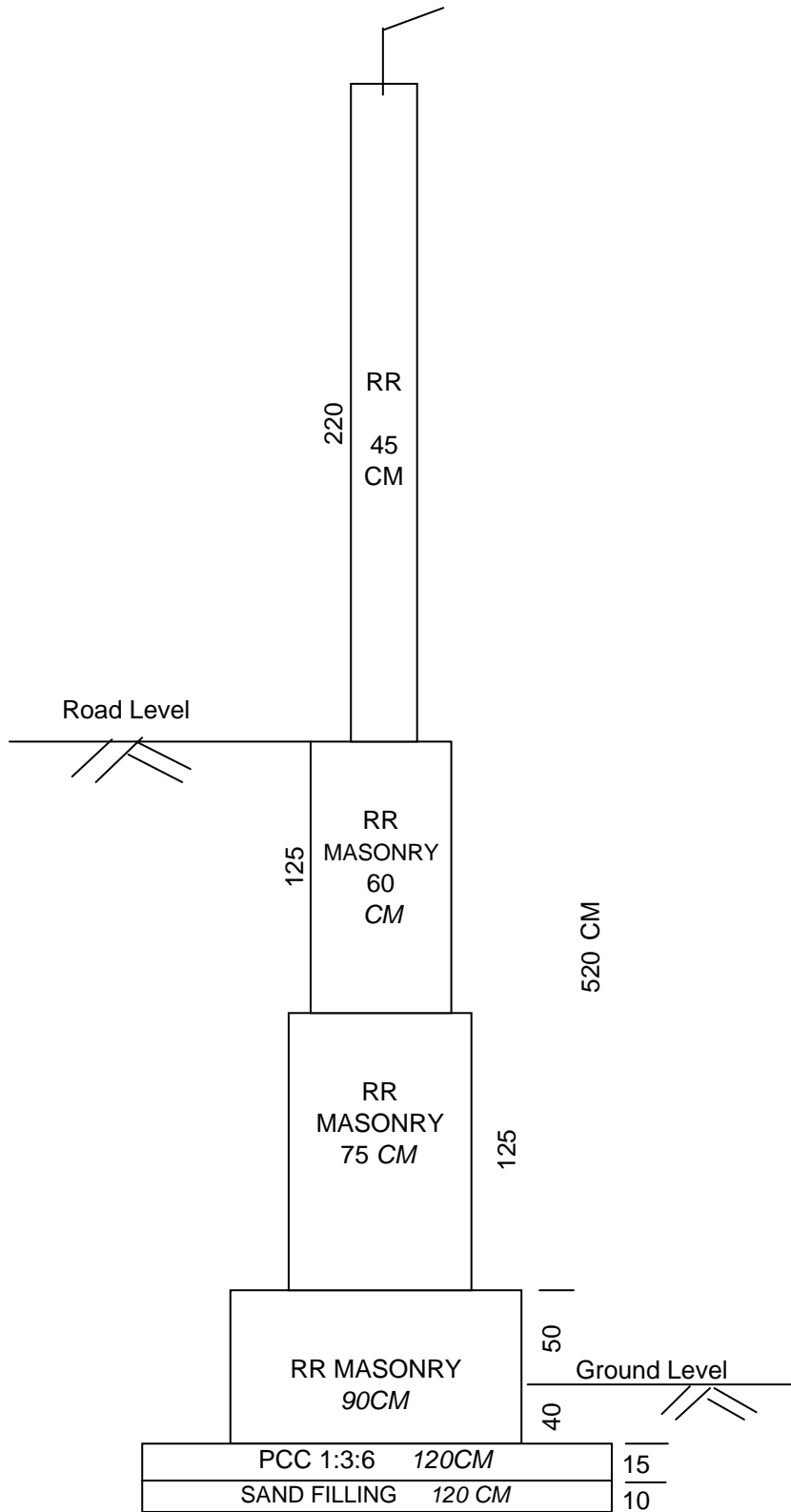
For milestone 1 - Rs .535.00 per day

For milestone 2 - Rs.750.00 per day

For milestone 3 - Rs.860.00 per day

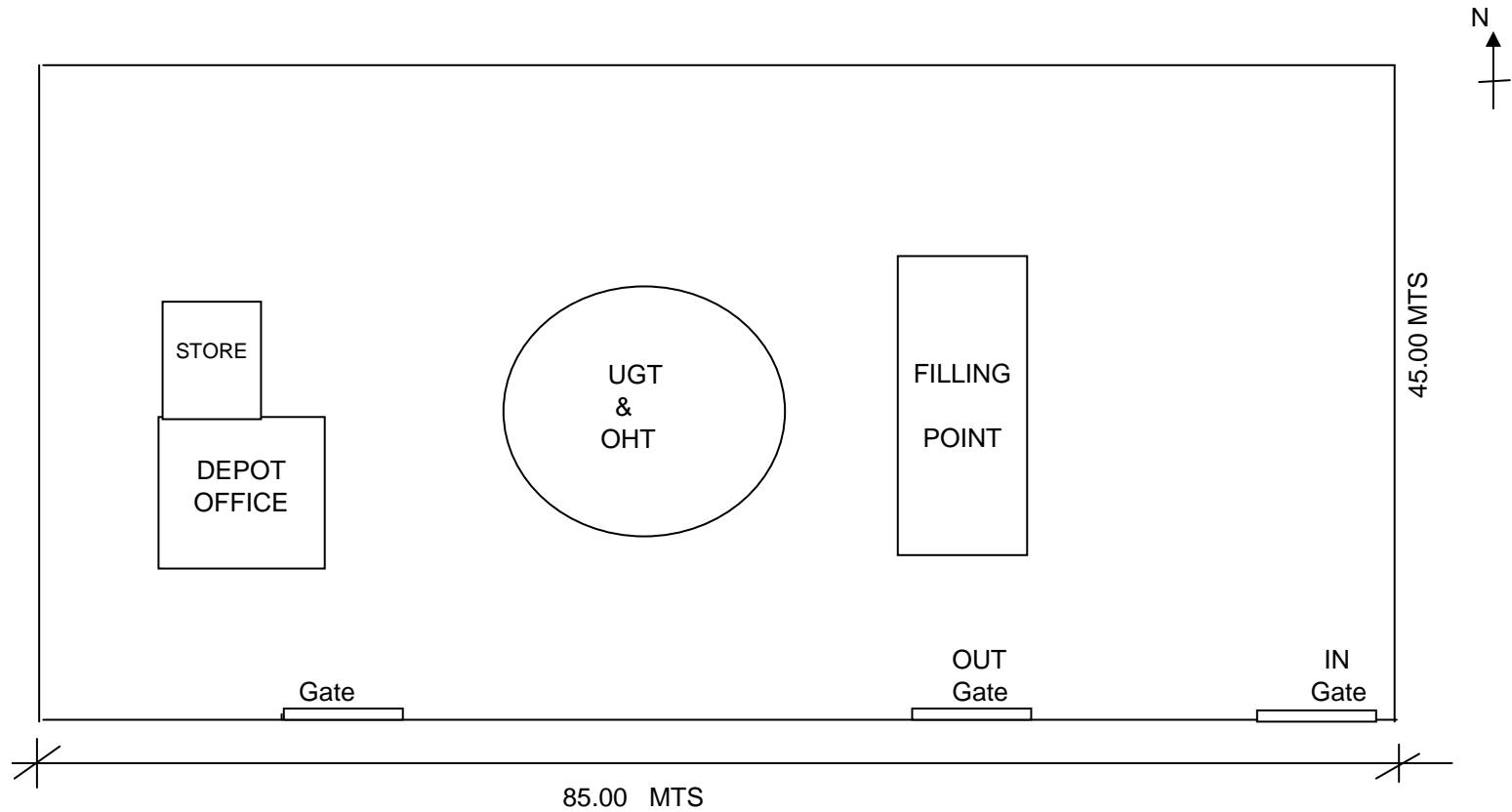
Signature of Tenderer with Seal

CROSS SECTION OF THE PROPOSED COMPOUND WALL
at Mogappair East Sewage Pumping Station



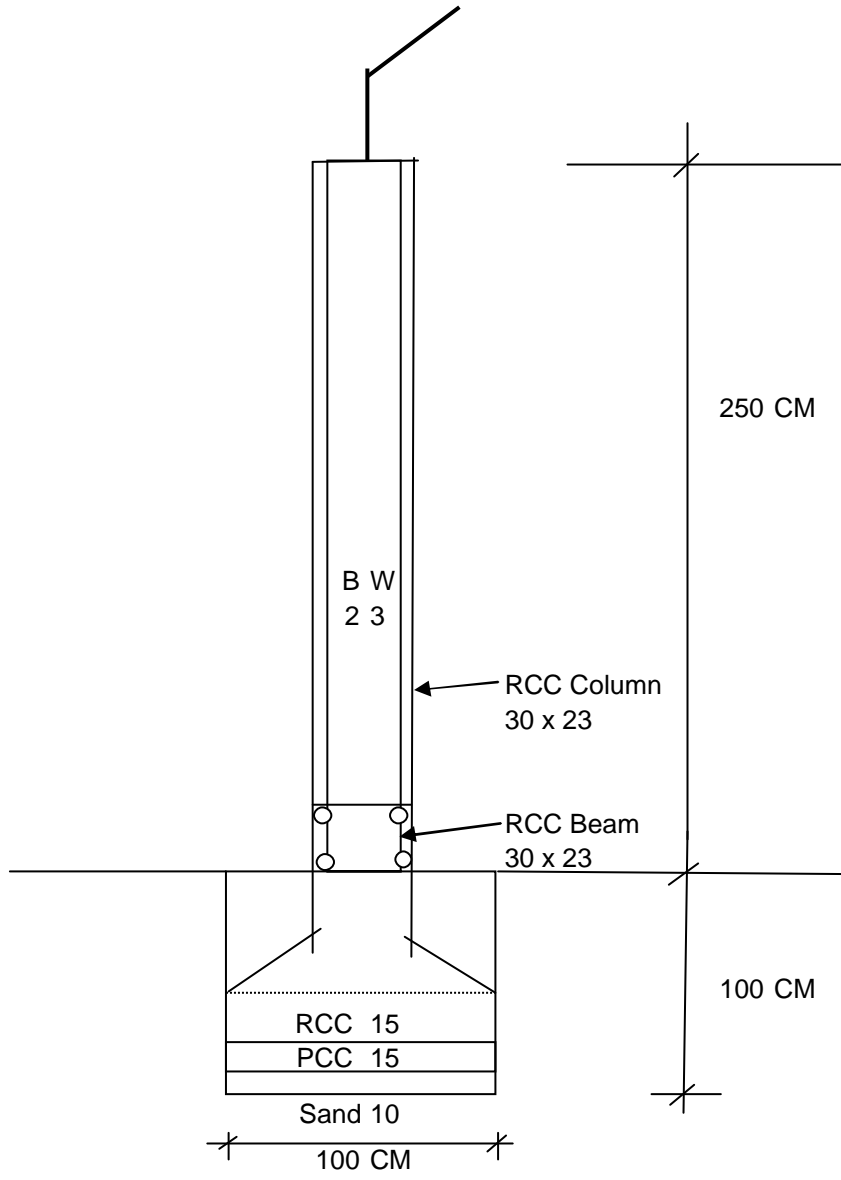
NOT TO SCALE

SKETCH SHOWING THE PROPOSED COMPOUND WALL AT MOGAPPAIR WEST FILLING POINT & DEPOT, IN AUA DIVISION



NOT TO SCALE

CROSS SECTION OF THE PROPOSED COMPOUND WALL
at Mogappair West HWs, Filling point and Depot 926.



NOT TO SCALE