

Name of the Work: construction of compound wall and improvement works to Depot 42&45,

Area III

Contract No. CNT/WSS/MWB/1996/2010-2011

CHECK LIST FOR THE GUIDANCE OF THE CONTRACTOR

I		The Tender schedule for the above work consists of 25 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)	Mile stone	Page - 12
	(vii)	Work schedule containing details of Work and data	Page – 13-23
	(viii)	Drawings - 2 Nos	
II	1	The total number of items in the work schedule – 55 Nos and the departmental value works out to Rs.12,36,892.14	
	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.	<p><u>Eligibility :</u></p> <p>Contractors registered in CMWSSB in Class- IVA above (i.e. those who are eligible to take up the work costing above Rs.6.00 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.</p>	
	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 enclosed in a separate cover superscribed " EMD for contract No.	

Signature of Tenderer with Seal

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		CNT/WSS/MWB/1996/2010-2011 <b>Tenderers having Current Account with ICICI Bank may make payment online through ICICI Bank gateway for e-submission of tender.</b> Tenders not accompanied by a separate cover containing EMD in the specified form will not be opened.
8.		<b><u>SECURITY DEPOSIT</u></b> 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.12 . Tenderers are requested to take note of the details. The above details will be incorporated in the contract documents while executing agreement.
11.		<b><u>Tender Validity</u></b> 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**  
**NOTICE INVITING TENDER**  
**LOCAL COMPETITIVE BIDDING**

Sealed Bids are invited from the eligible bidders 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 wall and improvement works to Depot 42&45, Area III CNT/WSS/MWB/1996/2010-2011	19.05.2010 up to 3.00 P.M	12.37	12,400	03.05.10 to 18.05.10	class IVA and above	6 months
3.	Date & time for opening of tenders	on 19.05.2010 after 3.00 PM					
4.i	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.ii	Through Website	<a href="http://www.chennaietrowater.tn.nic.in">www.chennaietrowater.tn.nic.in</a> & <a href="http://www.tenders.tn.gov.in">www.tenders.tn.gov.in</a>					
5	Cost of Tender Schedule	Free of cost					
6	Address for information and clarifications and for receipt of tenders	Office of Superintending Engineer, Contracts & Monitoring, 4 <sup>th</sup> Floor, CMWSS Board, Chennai – 600 002 Phone No. 044-2845 1300 Extn. 253 FAX : 044-2845 4336					

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](http://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
- 16) The bid summary has to be printed and kept as an acknowledgement as a token of the submission of the bid.

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- 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](mailto: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 19.05.2010

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. 12,400/-** 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.

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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 wall and improvement works to Depot 42&45,Area III" 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 6 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:

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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 wall and improvement works to Depot 42&45,Area III**”with a tender percentage of (-) Minus-----  
------(in words) -----(in figures) over departmental value of **Rs.12,36,892.14** 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 wall and improvement works to Depot 42&45,Area III**”at the department value of **Rs.12,36,892.14** for all items of work furnished in the schedule.

FORM NO:C

I / We agree to execute the work of “**construction of compound wall and improvement works to Depot 42&45,Area III**”” with a tender percentage of (+) Plus -----  
------(in words) ----- (in figures) over departmental value of **Rs.12,36,892.14**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.

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MILESTONE

**Details of Milestone and Liquidated Damages**

S.No	Name of work	Total quantity	MILESTONES		
			1	2	3
			Upto 2 months	Upto 4months	Upto 6 months
1	Construction of compound wall as per schedule	100%	30%	60%	100%
2	Repairs and improvements work for the depot office as per schedule	100%	50%	100%	---

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

For milestone 1 - Rs.210.00 per day

For milestone 2 -Rs.210.00 per day

For milestone 3- Rs.200.00 per day

ABSTRACT

Name of the Work: Construction of compound wall and improvement works to Depot 42&45, Area III

Contract No. CNT/WSS/MWB/1996/2010-2011

<b>Bill No</b>	<b>Description of works</b>	<b>Amount in Rs. P</b>
I	REPAIRS AND IMPROVEMENTS WORK FOR THE DEPOT OFFICE 42 & 45	236497.54
II	CONSTRUCTION OF COMPOUND WALL (FRONT SIDE)	383251.10
III	CONSTRUCTION OF COMPOUND WALL (OTHER 3 SIDES)	617143.50
	Total amount in figures	1236892.14

Signature of the tenderer with seal

**SCHEDULE**

Name of the Work: Construction of compound wall and improvement works to Depot 42&45, Area III

Contract No. CNT/WSS/MWB/1996/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
<b>Bill -1 REPAIRS AND IMPROVEMENTS WORK FOR THE DEPOT OFFICE 42 &amp; 45 IN BOGHIPALAYAM 1ST MAIN STREET IN AREA III</b>						
1	Earth work excavation in hard stiff clay, stiff black cotton, hard red earth shales muram, gravel stoney earth and earth mixed with small size bouldars and hard gravelly soil as per SS 20B with initial lead of 10m and lift of 2.0m for under ground sump	27.00	m <sup>3</sup>	57.5	m <sup>3</sup>	1552.50
2	Supplying and filling sand for foundations and basement including watering, consolidating, ramming etc. complete for U.G. Tank	1.35	m <sup>3</sup>	345.00	m <sup>3</sup>	465.75
3	Cement Concrete 1:3:6 using 40mm gauge hard broken stone jelly for PCC works including laying in layers of not more than 15 cm thick including ramming, curing etc. complete for UGT.	1.35	m <sup>3</sup>	2099.00	m <sup>3</sup>	2833.65
4	Brick work in C.M. 1:3, using 2nd Class bricks of size 19 x 9 x 9 cm including curing etc. complete for U.G. Tank	6.78	m <sup>3</sup>	2872.00	m <sup>3</sup>	19472.16
5	Brick work in C.M. 1:3 using 2nd Class bricks of size 19 x 9 x 9 cm including curing etc. complete for over head tank	2.46	m <sup>3</sup>	2912.70	m <sup>3</sup>	7165.24
6	Plastering with CM 1:3 for 12mm thick including curing etc. complete for inside a) U.G.T. and b) Over head tank	40.19	m <sup>2</sup>	71.00	m <sup>2</sup>	2853.49
7	Plastering with CM 1:3 for 20mm thick including curing etc. complete for outside a) U.G.T. and b) Over head tank	40.19	m <sup>2</sup>	132.00	m <sup>2</sup>	5305.08
8	Cover slab by Cement Concrete 1:2:4 using 20mm gauge hard broken stone jelly for RCC works excluding centering, shuttering and cost of steel reinforcement but including laying in position compacting, curing, finishing etc. complete for a) U.G.T. and b) Over head tank	2.29	m <sup>2</sup>	3030.00	m <sup>3</sup>	6938.70
9	Providing form work with centering for soffits of RCC slabs or plain surfaces including strutting upto 3m height for a) UGT and b) Over head tank	15.25	m <sup>3</sup>	428.00	m <sup>2</sup>	6527.00
10	Supplying, fabricating and laying in position M.S. 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. for a) UGT and b) Over head tank for 12mm dia Rods	185.00	Kg	38.00	kg	7030.00

Signature of the 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
11	Providing and fixing L.S. cover and frame of size 60 x 60 cm including necessary masonry work and plastering etc. complete for a) UGT and b) Over head tank	2.00	Nos.	2466.00	Each	4932.00
12	Concrete with broken bricks jelly 20mm gauge in pure slacked lime over RCC Roof slab in the proportion of 32:12 1/2 (No sand to be used) well beaten with wooden beaters to the required depth of 80mm thick and giving required slope and thickness to roof as required etc. complete	8.03	m <sup>2</sup>	1275.00	m <sup>3</sup>	10238.25
13	Terrace flooring with two course of flat tiles of 15cm x 15cm x 12mm using C.M. 1:3 mixed with crude oil 10% by weight of cement and pointed with same oiled mortar.	100.40		257.00	m <sup>2</sup>	25802.80
14	Supplying and filling sand for foundation and basement including watering, consolidating ramming etc. complete for ramp at store room	1.58	m <sup>3</sup>	345.00	m <sup>3</sup>	545.10
15	Cement Concrete 1:3:6 using 40mm gauge hard broken stone jelly for PCC works including laying in layers of not more than 15 cm thick including ramming, curing etc. complete for ramp	1.58	m <sup>3</sup>	2099.00	m <sup>3</sup>	3316.42
16	Flooring rendered smooth with 10 kg / 10 sqm of cement including curing etc. complete for ramp and Depot 42 Store room and Depot 45 Store room	42.46	m <sup>3</sup>	32.00	m <sup>2</sup>	1358.72
17	Providing and fixing colour glazed European Water Closet with rose wood seatings (black) low level flushing tank with fittings etc. complete	1	No.	3540.00	Each	3540.00
18	Supplying and fixing 51 cm white glazed water closet pan with Por S Trap including W.G. foot rests and supplying and laying 100mm S.W.P. cement encasing the pan and complete finishing of W.C. appurtenances etc. complete	1	No.	1606.00	Each	1606.00
19	Supplying and fixing 55 cm x 40 cm colour glazed wash basin with lead and brass C.P. Pillar tap and other fittings etc. complete	1	No.	2508.00	Each	2508.00
20	Supplying and fixing best mirror of size 60 cm x 45 cm of 6mm thick with plywood back including necessary fittings etc. complete	1	No.	460.00	Each	460.00
21	Providing and fixing 15 x 10 cm S.W.gully trap with C.I. Gratings in B.J. concrete in cm 1:4:10 with silt pit diaphragm arrangements etc. complete	2	Nos.	888.00	Each	1776.00

Signature of the 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
22	Paving the floor with plain/ design ceramic tiles (colour and shade as directed) of size 305mm x 305mm x 6mm in all floors over a base layer of cement mortar 1:3 (one cement and three sand) 20mm thick laid in situ and pointed with same coloured cement for office UGT wall and floor and over head tank wall and floor.	126.85	m <sup>2</sup>	596.00	m <sup>2</sup>	75602.60
23	Supplying and fixing C.I. Steps for UGT	6.00	Nos.	177.00	Each	1062.00
24	White washing two coats for ceiling (old work)	100.40	m <sup>2</sup>	5.00	m <sup>2</sup>	502.00
25	Colour washing two coats for walls (old works)	592.96	m <sup>2</sup>	8.00	m <sup>2</sup>	4743.68
26	Painting with superior quality ready mixed paint of chocolate, light green, grey, orange colour a) old wood works two coats	88.98	m <sup>2</sup>	62.00	m <sup>2</sup>	5516.76
	b) Old Iron work - two coats	17.66	m <sup>2</sup>	54.00	m <sup>2</sup>	953.64
27	Supplying and fixing 1100mm dia PVC down fall pipe including cost of pipe shoe bend brackets and teak wood plugs gratings etc. complete with door arrangements	15.00	m	110.00	m	1650.00
28	Providing and fixing M.S. Ladder for 5m height buildings including painting etc. as directed	1	No.	3000.00	Each	3000.00
29	Painting and lettering with name board, officer's name, designation, phone Nos., salient features, complaint abstract and citizen's chart as directed (L.S)	1	No.	L.S.		2000.00
30	Supplying and fixing of 12" Sweep exhaust fan complete including providing necessary opening in the wall	2	Nos.	1512.00	Each	3024.00
31	Supply and fixing poly propylene ball valve (with PVC ball) of 25mm dia to the sump	1	No.	467.00	Each	467.00
32	Supplying and fixing G.M. Foot valve of the 25mm dia size to the sump	1	No.	163.00	Each	163.00
33	Supplying and fixing the G.I. union of the 25mm dia	2	Nos.	128.00	Each	256.00
34	Supplying and fitting the G.M. Gate valve of the 25mm dia.	1	No.	594.00	Each	594.00
35	Supplying heavy duty PVC (blue) pipe and specials including cutting, threading and jointing with necessary specials including carting the materials, fixing to wall with necessary clamps and screws making holes in roof, repairing the same with necessary brick work and plastering whenever necessary with scaffolding etc. complete for 25mm dia	66.00	m	135.00	m	8910.00

Signature of the tenderer  
with seal

**SCHEDULE**

Name of the Work: Construction of compound wall and improvement works to Depot 42&amp;45, Area III

Contract No. CNT/WSS/MWB/1996/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
36	Supplying and fixing P.V. C screw down tap of size 20mm dia)	3	Nos.	96.00	Each	288.00
37	Supplying 1 HP single phase self priming motor and pump	1	No.	7800.00	Each	7800.00
38	Supply and fixing 32 Amps double pole M.C.B	1	No.	285.00	Each	285.00
39	Supplying and fixing 32 Amps M.C.B. filling	1	No.	70.00	Each	70.00
40	Supplying and fixing 15 Amps ON/OFF Switch	1	No.	45.00	Each	45.00
41	Fixing the motor / pump unit with necessary basement and connecting angles etc. as directed	1	No.	500.00	Each	500.00
42	Wiring with 2.5 sq.mm PVC unsheathed copper, single core in suitable conduit pipe for lighting with joint box and switch box with continuous earth connection by 14 SWG TC wire	1	point	1429.00	Paint	1429.00
43	Earthing as per the ISI Specification with necessary masonry work	1	No.	1409.00	Each	1409.00
	Total					236497.54

Signature of the tenderer  
with seal

**SCHEDULE**

Name of the Work: Construction of compound wall and improvement works to Depot 42&45, Area III

Contract No. CNT/WSS/MWB/1996/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
<b>Bill - 2 CONSTRUCTION OF COMPOUND WALL (FRONT SIDE) AT BOGIPALAYAM IST MAIN ROAD FOR DEPOT 42 &amp; 45 OFFICE IN AREA III</b>						
1	Construction of compound wall with single reamed piles with beam above ground level and masonry wall of 23 cm with brick work with concrete pillar of 23 cm x 23 cm x 2.5m etc upto a height of 3.00m top finishing with broken glass pieces and barbed wire fencing and plastering etc complete <b>( DATA- I)</b>	58	m	5747.80	m	333372.40
2	Dismantling the brick work in cm wall under 3m height	22	m <sup>3</sup>	66.00	m	1452.00
3	Supplying and fixing M S grill gate with plate for main gate excluding painting etc complete	648	Kgs	46.20	m <sup>3</sup>	29937.60
4	Supplying and fixing M S Wicket gate excluding painting etc, complete ( 1 No.) 1.20m x 3.0m	195	Kgs	46.20		9009.00
5	Gate Pillar for main gate <b>(Data II)</b>					6637.00
6	Painting two coats with superior quality ready mixed paint of chocolate, light green, grey or other approved colour (for new iron gate)	35	m <sup>2</sup>	60.00	Kg	2106.00
7	Painting with primary coat on new iron gates	35	m <sup>2</sup>	21.00		737.10
	<b>Total</b>					<b>383251.10</b>

signature of the tenderer  
with seal

**SCHEDULE**

Name of the Work:Construction of compound wall and improvement works to Depot 42&amp;45,Area III

Contract No. CNT/WSS/MWB/1996/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	units	Amount in Rs. P
	<b>Bill -3 CONSTRUCTION OF COMPOUND WALL (OTHER 3 SIDES)AT BOGIPALAYAM IST MAIN ROAD FOR DEPOT 42 &amp; 45 OFFICE IN AREA III</b>					
1	Construction of compound wall with single underrecovered pipes with beam above ground level and masonry wall of 23 cm with brick work with cement pillar of 23 cm x 23 cm x 2.5m etc upto a height of 3.00m top finishing etc complete <b>(DATA-III)</b>	105	m	5281.40	m	554547.00
2	Dismantling the brick work in cm wall under 3m height	30	m <sup>3</sup>	66.00	m <sup>3</sup>	1980.00
3	Supply of gravel from any source beyond 7 kms outsidess city limits to site of work	690	m <sup>3</sup>	59.05		40744.50
4	Loading charges of gravel	690	m <sup>3</sup>	14.40	m <sup>3</sup>	9936.00
5	Unloading charges of gravel	690	m <sup>3</sup>	14.40		9936.00
	Total					617143.50

signature of the tenderer  
with seal

**SCHEDULE**

Name of the Work: Construction of compound wall and improvement works to Depot 42&45, Area III

Contract No. CNT/WSS/MWB/1996/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
	<b>Data I</b>					
1	Providing single underreamed pile 25cm dia, 311.5 cm deep and 30cm above ground level in RCC 1:2:4 excluding cost of reinforcement	12	nos.	2200.00	each	26400.00
2	Earth work excavation and depositing in bank with initial lead of 10m and lift of 2m in hard stiff clay, stiff black cotton, hard red earth shales muram, gravel stoney earth and earth mixed with small size bouldars SS 20-B(excluding timbering and bailing out subsoil water)	2.1	m <sup>3</sup>	57.50	m <sup>3</sup>	120.75
3	Supplying and filling sand for foundations and basement including watering consolidating ramming etc.complete	1.1	m <sup>3</sup>	345.00	m <sup>3</sup>	379.50
4	Cement Concrete 1:3:6 using 40mm gauge hard broken stone jelly for PCC works including laying in layers of not more than 15 cm thick including ramming, curing etc. complete	1.1	m <sup>3</sup>	2099.00	m <sup>3</sup>	2308.90
5	Providing form work with centering for soffits of RCC slabs or plain surfaces including strutting upto 3m height	47	m <sup>2</sup>	428.00	m <sup>2</sup>	20116.00
6	Supplying, fabricating and laying in position M.S. 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.	675	Kgs	38.00	Kgs	25650.00
7	providing Cement Concrete work 1:2:4 using 12 to 20mm gauge hard broken stone jelly for RCC works excluding centering, shuttering and cost of steel reinforcement but including laying in position compacting, curing, finishing etc. complete	4.55	m <sup>3</sup>	3030	m <sup>3</sup>	13786.50
8	Stock brick work with second class bricks in CM 1:4 for 23cm thick wall including curing etc complete	18	m <sup>3</sup>	2760.00	m <sup>3</sup>	49680.00
9	Plastering with cm 1:5 for 12mm thick including curing etc complete	180	m <sup>2</sup>	59.00	m <sup>2</sup>	10620.00
10	Stuccoplastering 12mm thick using Blue Granite chips of 10mm size and below over a base plasteing with C:M 1:5, 12mm thick including curing etc complete	60	m <sup>2</sup>	153.00	m <sup>2</sup>	9180.00
11	White washing two coats for new surface	180	m <sup>2</sup>	8.00	m <sup>2</sup>	1440.00
12	Colour washing two coats for new surface	180	m <sup>2</sup>	11.00	m <sup>2</sup>	1980.00

Signature of the tenderer with seal

**SCHEDULE**

Name of the Work: Construction of compound wall and improvement works to Depot 42&45, Area III

Contract No. CNT/WSS/MWB/1996/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
13	Cement concrete 1:2:4 using 12mm to 20mm gauge hard broken stone jelly for Plain concrete works including laying, compacting, curing etc complete	0.52	m <sup>3</sup>	2745.00	m <sup>3</sup>	1427.40
14	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	7	m <sup>3</sup>	105	m <sup>3</sup>	735.00
15	Supplying and fixing barbed wire fencing with L angle of 50 x 50 x 6mm and 1.45m post beat to shpae at 2.5m c/c with 6 rows of barbed wire and also in a zig zag manner at 25 cm c/c connecting all the rows with barbed wire will be of 2 ply and 12 gauge or other approved size including drilling hole in L angle posts and fixing the posts in C:C 1:2:4 of size 15 x 15 x 45cm etc as directed	30	m	287.00	m	8610.00
	Total (Rate for 30 m)					172434.05
	Rate for 1 m					5747.80
	<b>Data II For Gate Pillar</b>					
1	Supplying, fabricating and laying in position M.S. 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.	40	Kgs	38	Kgs	1520
2	Form work for gate pillar upto a height of 3.4 m	7	m <sup>2</sup>	428.00	m <sup>2</sup>	2996
3	Laying RCC 1:2:4 using 20mm thick S G stone jelly for laying, curing etc complete	0.7	m <sup>3</sup>	3030.00	m <sup>3</sup>	2121
	Total					6637.00

Signature of the tenderer with seal

**SCHEDULE**

Name of the Work: Construction of compound wall and improvement works to Depot 42&45, Area III

Contract No. CNT/WSS/MWB/1996/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	units	Amount in Rs. P
	<b>DATA III</b>					
1	Providing single underreamed pile 25cm dia, 311.5 cm deep and 30cm above ground level in RCC 1:2:4 excluding cost of reinforcement	12	nos.	2200.00	each	26400.00
2	Earth work excavation and depositing in bank with initial lead of 10m and lift of 2m in hard stiff clay, stiff black cotton, hard red earth shales muram, gravel stoney earth and earth mixed with small size bouldars SS 20-B(excluding timbering and bailing out subsoil water)	2.1	m <sup>3</sup>	57.50	m <sup>3</sup>	120.75
3	Supplying and filling sand for foundations and basement including watering consolidating ramming etc.complete	1.1	m <sup>3</sup>	345.00	m <sup>3</sup>	379.50
4	Cement Concrete 1:3:6 using 40mm gauge hard broken stone jelly for PCC works including laying in layers of not more than 15 cm thick including ramming, curing etc. complete	1.1	m <sup>3</sup>	2099.00	m <sup>3</sup>	2308.90
5	Providing form work with centering for soffits of RCC slabs or plain surfaces including strutting upto 3m height	47	m <sup>2</sup>	428.00	m <sup>2</sup>	20116.00
6	Supplying, fabricating and laying in position M.S. 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.	675	Kgs	38.00	Kgs	25650.00
7	providing Cement Concrete work 1:2:4 using 12 to 20mm gauge hard broken stone jelly for RCC works excluding centering, shuttering and cost of steel reinforcement but including laying in position compacting, curing, finishing etc. complete	4.55	m <sup>3</sup>	3030	m <sup>3</sup>	13786.50
8	Stock brick work with second class bricks in CM 1:4 for 23cm thick wall including curing etc complete	18.8	m <sup>3</sup>	2760.00	m <sup>3</sup>	51888.00
9	Plastering with cm 1:5 for 12mm thick including curing etc complete	90	m <sup>2</sup>	59.00	m <sup>2</sup>	5310.00

Signature of the tenderer with seal

**SCHEDULE**

Name of the Work: Construction of compound wall and improvement works to Depot 42&45, Area III

Contract No. CNT/WSS/MWB/1996/2010-2011

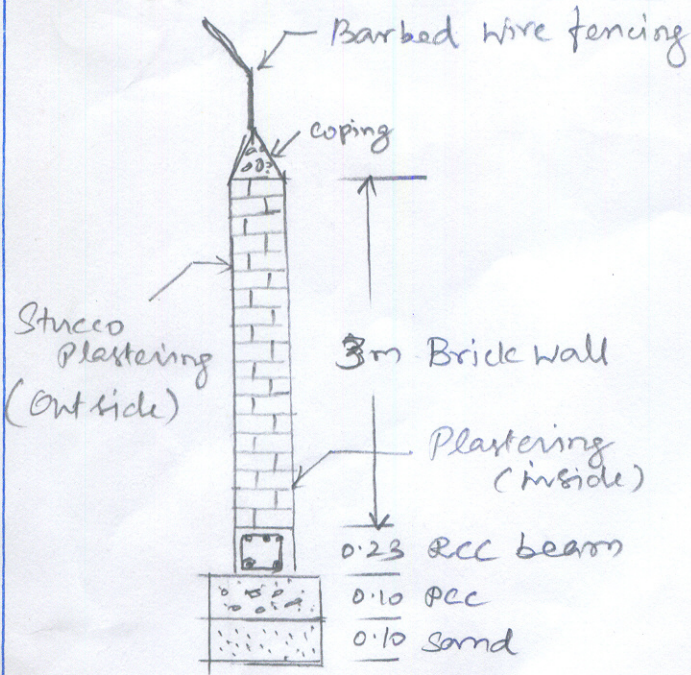
SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	units	Amount in Rs. P
10	White washing two coats for new surface	90	m <sup>2</sup>	8.00	m <sup>2</sup>	720.00
11	Colour washing two coats for new surface	90	m <sup>2</sup>	11.00	m <sup>2</sup>	990.00
12	Cement concrete 1:2:4 using 12mm to 20mm gauge hard broken stone jelly for Plain concrete works including laying, compacting, curing etc complete	0.52	m <sup>3</sup>	2745.00	m <sup>3</sup>	1427.40
13	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	7	m <sup>3</sup>	105	m <sup>3</sup>	735.00
14	Supplying and fixing barbed wire fencing with L angle of 50 x 50 x 6mm and 1.45m post beat to shpae at 2.5m c/c with 6 rows of barbed wire and also in a zig zag manner at 25 cm c/c connecting all the rows with barbed wire will be of 2 ply and 12 gauge or other approved size including drilling hole in L angle posts and fixing the posts in C:C 1: 2:4 of size 15 x15x45cm etc as directed	30	m	287.00	m	8610.00
	Total (Rate for 30 m)					158442.05
	Rate for 1 m					5281.40

Signature of the tenderer with seal

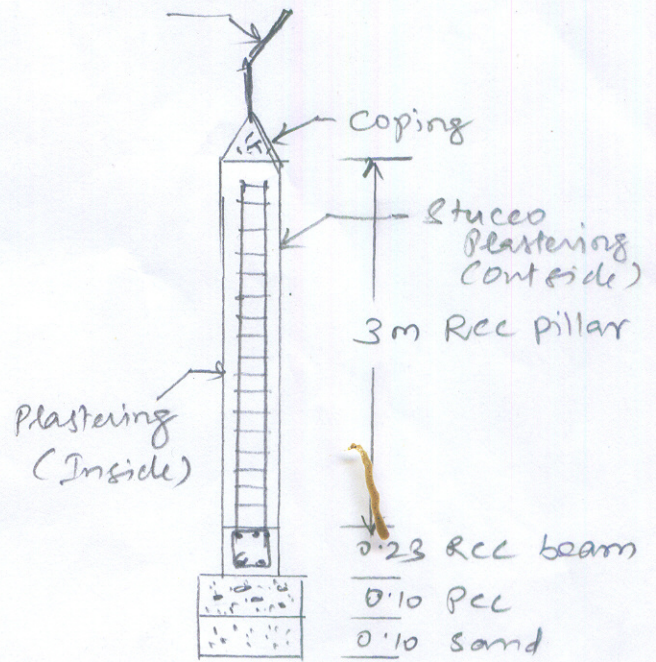
# Construction of compound wall in Depot 42 & 45

## Area III

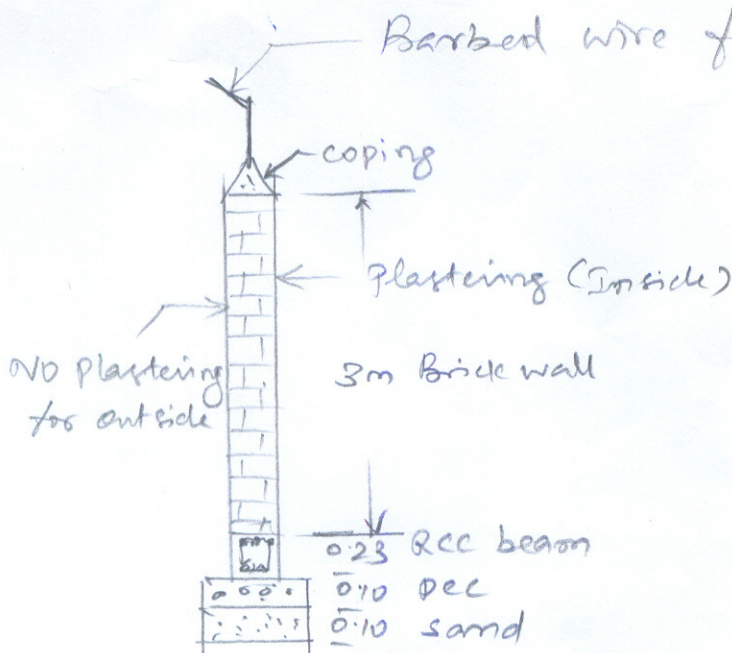
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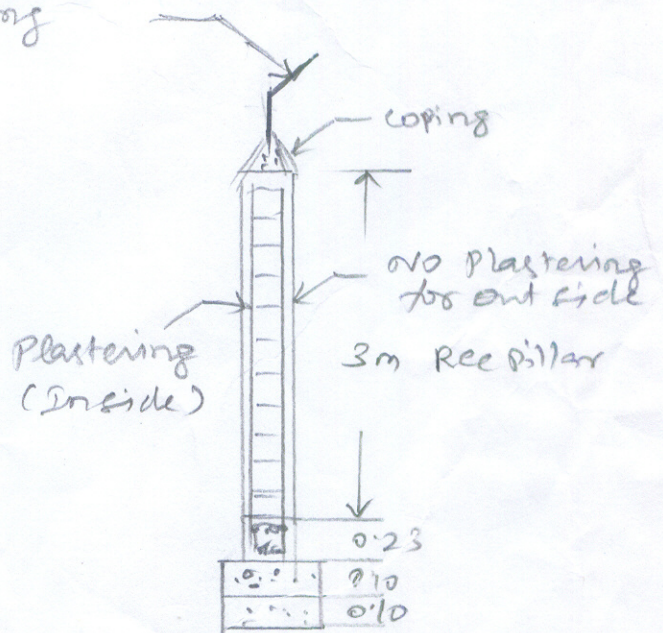
Cross section of compound wall  
(Front side)



Cross section of RCC  
Pillar (Front side)



Cross section of compound wall  
(Other 3 sides)



Cross section of RCC  
Pillar (Other 3 sides)

Date: 11/8/09  
RSP

Signature: [Handwritten Signature]  
RSP

