

Name of the Work: Improvement works to ETC Main Building, Providing rain water harvesting arrangements at ETC store main building. Renovation of existing bathroom & Toilet, Construction of Sump at ETC store, providing Sewer Connection to ETC store main building and providing o/o ICM Room at ETC store main Building

Contract No. CNT/WSS/MWB/2006/2010-2011

CHECK LIST FOR THE GUIDANCE OF THE CONTRACTOR

I	The Tender schedule for the above work consists of 27 pages as detailed below:	
	(i)	Checklist for the guidance of the Contractors, Page – 1-3
	(ii)	Notice Inviting Tender Page - 4
	(iii)	Letter of Tender 2 pages Page – 5 -6
	(iv)	Price schedule Page – 7-9
	(v)	Work schedule containing details of Work Page – 10 - 19
	(vi)	Mile stone Page – 20
	(vii)	Drawings - 7 nos.
II	1	The total number of items in the work schedule – 82 Nos and the departmental value works out to Rs. 9,72,573.08
	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- IVA & above (i.e. those who are eligible to take up the work costing above Rs. 6.00Lakh) 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

Signature of Tenderer with Seal

Name of the Work: Improvement works to ETC Main Building, Providing rain water harvesting arrangements at ETC store main building. Renovation of existing bathroom & Toilet, Construction of Sump at ETC store, providing Sewer Connection to ETC store main building and providing o/o ICM Room at ETC store main Building

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	<p>Nationalised / Scheduled Bank / TNSC Bank in favour of CMWSS Board, should be enclosed in a separate cover superscribed " EMD for contract No. CNT/WSS/MWB/2006/2010-2011</p> <p>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.</p>
8.	<p><u>SECURITY DEPOSIT</u></p> <p>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:</p> <p>a). Form in which S.D. collected.</p> <p>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.</p> <p>(OR)</p> <p>Fixed Deposit for the required period from nationalized/schedule Bank/TNSC Bank in favour of Managing Director, CMWSS Board.</p> <p>(OR)</p> <p>Certified cheque/Bank Draft or Pay Order in favour of CMWSS Board payable at Chennai.</p>
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.	<p>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.</p> <p>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.</p>
10.	<p>Milestone details for completion of works and details of penalty for the non completion of work are furnished in the Milestone at Page No.13 . Tenderers are requested to take note of the details. The above details will be incorporated in the contract documents while executing agreement.</p>
11.	<p><u>Tender Validity</u></p> <p>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.</p>

Signature of Tenderer with Seal

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12.	No cheque will be accepted towards Earnest Money Deposit.
13.	Tenders with conditions are liable for rejection.
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

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Contract No. CNT/WSS/MWB/2006/2010-2011

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	Improvement works to ETC main Building, Providing rain water harvesting arrangements at ETC store main building. Renovation of existing bathroom & Toilet, Construction of Sump at ETC store, providing Sewer Connection to ETC store main building and providing o/o ICM Room at ETC store main Building CNT/WSS/MWB/2006/2010-2011	25.06.10 up to 3.00 P.M	9.73	9,750/-	09.06.10 to 24.06.10	class IVA and above	4 months
2.	Date & time for opening of tenders	on 25.06.2010 after 3.00 PM					
3.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)					
3.ii	Through Website	www.chennaietrowater.tn.nic.in & www.tenders.tn.gov.in					
4	Cost of Tender Schedule	Free of cost					
5	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					

SUPERINTENDING ENGINEER
(CONTRACTS & MONITORING)

Signature of Tenderer with Seal

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Contract No. CNT/WSS/MWB/2006/2010-2011

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 25.06.2010**

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. 9,750/-** companying this tender shall be forfeited to the Board and this concluded contract shall in such case be considered, as having been cancelled or terminated

Signature of Tenderer with Seal

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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.

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 "Improvement works to ETC Main Building, Providing rain water harvesting arrangements at ETC store main building. Renovation of existing bathroom & Toilet, Construction of Sump at ETC store, providing Sewer Connection to ETC store main building and providing o/o ICM Room at ETC store main Building" 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 4 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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Contract No. CNT/WSS/MWB/2006/2010-2011

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.

Name of the Work: Improvement works to ETC Main Building, Providing rain water harvesting arrangements at ETC store main building. Renovation of existing bathroom & Toilet, Construction of Sump at ETC store, providing Sewer Connection to ETC store main building and providing o/o ICM Room at ETC store main Building

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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 “Improvement works to ETC Main Building,Providing rain water harvesting arrangements at ETC store main building.Renovation of existing bathroom & Toilet,Construction of Sump at ETC store,providing Sewer Connection to ETC store main building and providing o/oICM Room at ETC store main Building”with a tender percentage of (-) Minus-----
------(in words) -----(in figures) over departmental value of **Rs. 9,72,573.08** 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 “Improvement works to ETC Main Building,Providing rain water harvesting arrangements at ETC store main building.Renovation of existing bathroom & Toilet,Construction of Sump at ETC store,providing Sewer Connection to ETC store main building and providing o/oICM Room at ETC store main Building”at the department value of **Rs. 9,72,573.08** for all items of work furnished in the schedule.

FORM NO:C

I / We agree to execute the work of “Improvement works to ETC Main Building,Providing rain water harvesting arrangements at ETC store main building.Renovation of existing bathroom & Toilet,Construction of Sump at ETC store,providing Sewer Connection to ETC store main building and providing o/oICM Room at ETC store main Building “with a tender percentage of (+) Plus -----(in words) ----- (in figures) over departmental value of **Rs. 9,72,573.08** 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.

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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.

ABSTRACT

Name of the Work: Improvement works to ETC Main Building, Providing rain water harvesting arrangements at ETC store main building. Renovation of existing bathroom & Toilet, Construction of Sump at ETC store, providing Sewer Connection to ETC store main building and providing o/o ICM Room at ETC store main Building

Contract No. CNT/WSS/MWB/2006/2010-11

Bill No	Description of works	Amount in Rs. P
I	Providing Rain Water Harvesting arrangements at ETC Store Main Building	241056.83
II	Renovation of existing Bathroom & Toilet	70925.25
III	Construction of Sump at ETC Store	105221.70
IV	Providing Sewer Connection to ETC Store Main Building	44963.50
V	Providing O/o of ICM Room at ETC Store Main Building	510405.80
	Total amount in figures	972573.08
	Total amount in words	

Signature of the tenderer with seal

SCHEDULE

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Contract No. CNT/WSS/MWB/2006/2010-11

SI No.	Description of works	No. or Qty	Unit	Rate Rs. P	per unit	Amount in Rs. P
Bill No. I PROVIDING RAIN WATER HARVESTING ARRANGEMENTS AT ETC SOTRE MAIN BUILDING						
1	Supplying, Laying of 160mm dia PVC Pipe with Specials including earth work excavation in all kinds of soils as per SS 20B and back filling at an average depth of 1.00m as directed at site.	245.00	m	445.00	m	109025.00
2	Supplying and erection of 1.20m (4'-00") dia RCC Ring 2" thick	60.00	Nos.	380.00	each	22800.00
3	Open laying of 160mm dia PVC Pipes over wall for down fall pipe including proper clamping arrangements at 1.00m space with special clamp as directed at site.	230.00	m	467.00	cum	107410.00
4	Earth work excavation in hard stiff clay, stiff black cotton, hard red earth, shales, murams, gravel stoney earth and earth mixed with small size builders as per SS 20B with initial lead of 10m and lift of 2.00m	9.04	cum	28.75	cum	259.90
5	i) Extra for every additional one metre lift or part thereof over initial lift	4.52	cum	31.70	cum	143.28
	ii) Extra for every additional one metre lift or part thereof over initial lift	4.52	cum	34.65	sqm	156.62
	iii) Extra for every additional one metre lift or part thereof over initial lift	2.26	cum	37.60	cum	84.98
6	Disposal of surplus earth	21.00	cum	56.05	cum	1177.05
	TOTAL					241056.83

Name of the tenderer
with seal

SCHEDULE						
Name of the Work: Improvement works to ETC Main Building, Providing rain water harvesting arrangements at ETC store main building. Renovation of existing bathroom & Toilet, Construction of Sump at ETC store, providing Sewer Connection to ETC store main building and providing o/o ICM Room at ETC store main Building						
Contract No. CNT/WSS/MWB/2006/2010-11						
SI No.	Description of works	No. or Qty	Unit	Rate Rs. P	per unit	Amount in Rs. P
Bill No. II Renovation of existing Bathroom & Toilet						
1	Removing the broken 51cm W.G. water closet pan with 'P' or 'S' trap without damaging the existing sewer connection renewing the same with new one with W.G. foot rests including finishing the WC appurtenances in all respects etc. complete.	2.00	Nos.	1439.00	each	2878.00
2	Providing and fixing white glazed E.W.C. with rose wood seatings (black) low level flushing tank with fittings etc. complete.	2.00	Nos.	2517.00	each	5034.00
3	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.	4.00	Nos.	888.00	each	3552.00
4	Supplying and fixing 55 cm x 40 cm colour glazed wash basin with lead and brass connection C.P. pillar tap and other fittings etc. complete	2.00	Nos.	2508.00	each	5016.00
5	Supplying and fixing of 110mm OD PVC Pipeline for out of water closet	24.00	m	425.00	m	10200.00
6	Supplying and fixing of 20mm dia PVC pipe (Blue) for water line	36.00	m	75.00	m	2700.00
7	Supplying and fixing of 20mm dia S.S. Tap	6.00	Nos.	300.00	each	1800.00
8	Paving the floor with ceramic tiles , Paving the floor with plain/design ceramic tiles (colour and shade as directed) of size 200mmx200mmx6mm 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.	60.00	sq.m	591.00	sq.m	35460.00
9	Stock brick work with II class bricks in cement motor 1:5 for 23cm thick wall including curing etc. complete, extra labour for 11cm thick wall	0.75	cum	3231.00	cum	2423.25
10	Plastering with cm 1:5 for 20mm thick including curing etc. compete	14.00	sq.m	114.00	sq.m	1596.00
11	White wahsing two coats	14.00	sq.m	8.00	sq.m	112.00
12	Colour washing two coats	14.00	sq.m	11.00	sq.m	154.00
	TOTAL					70925.25

Name of the tenderer
with seal

SCHEDULE

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Contract No. CNT/WSS/MWB/2006/2010-11

SI No.	Description of works	No. or Qty	Unit	Rate		per unit	Amount in Rs. P
				Rs.	P		
Bill No. III : CONSTRUCTION OF SUMP AT ETC STORE							
1	Earth work excavation and depositing on bank with initial lead of 10 metres and initial lift of 2.00 m in hard stiff clay, stiff black cotton hard red earth, shales, muram gravel, stoney earth and earth mixed with small size boulders SS 20B (excluding timbering and bailing out subsoil water) as per PWD standardschedule of rates for chennai city	36.00	cum	57.50		cum	2070.00
2	Supplying and filling sand for foundations and basement including watering consolidating ramming etc. complete.	2.00	cum	348.00		cum	696.00
3	Cement concrete 1:4:8 using 40mm gauge hard broken stone jelly for plain cement concrete works including laying in layer's of not more than 15cm thick including ramming curing etc. complete	2.00	cum	1807.00		cum	3614.00
4	Brick work with fly ash bricks in cement mortar 1:4 for 23cm thick wall including curing etc. complete.	5.15	cum	2476.00		cum	12751.40
5	Cement concrete work 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.	6.75	cum	2976.00		cum	20088.00
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.	1100.00	kg.	38.00		kg	41800.00
7	Plastering with cement 1:4 for 12mm thick including curing etc. complete	23.00	sq.m	64.00		sq.m	1472.00

Signature of tenderer
with seal

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SI No.	Description of works	No. or Qty	Unit	Rate		per unit	Amount in Rs. P
				Rs.	P		
8	Plastering with cement mortar 1:4 for 20mm thick including curing etc. complete	28.00	sq.m	121.00		sq.m	3388.00
9	Providing form work with centering for soffits of reinforced cement concrete slab or plain surfaces including strutting upto 3m high	30.00	sq.m	428.00		sq.m	12840.00
10	Strutting to centering of reinforced cement concrete slabs or plain surfaces upto 3m high	9.00	sq.m	44.00		sq.m	396.00
11	Finishing the floor with 20mm cement concrete (Ellis pattern first sort no sand to be used) in the ratio 1:3 stone chips 3 to 10mm gauge including thread lining 25mm dia GI Pipe of necessary length for water outlet curing etc. complete	9.00	sq.m	133.00		sq.m	1197.00
12	Refilling with excavated soils other than sand complying with standard specifications for filling in foundation and basement	10.00	cum	10.10		cum	101.00
13	Disposal of surplus earth	26.00	cum	56.05		cum	1457.30
14	Providing and fixing L.S. cover and frame of size 60x60 cm including necessary masonry work and plastering etc. complete	1.00	No.	2466.00		each	2466.00
15	Supplying and fixing of C.I. Steps	5.00	Nos.	177.00		each	885.00
	TOTAL						105221.70

Signature of tenderer
with seal

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Contract No. CNT/WSS/MWB/2006/2010-11

SI No.	Description of works	No. or Qty	Unit	Rate		per unit	Amount in Rs. P
				Rs.	P		
Bill No. IV: PROVIDING SEWER CONNECTION TO ETC STORE							
1	Construction of Inspection chambers of following sizes with earth work excavation for foundation 23cm thick concrete bed using 40mm brick jelly concrete in CM 1:4:10 for foundation brick work in CM 1:6 for chamber, plastering with CM 1:3, 12mm thick benching, clannelling, supplying and fixing 45x45cm medium weight L.S cover and frame etc. complete for,						
	i) 60 x 60 x 60 cm	1.00	No.	4115.00		each	4115.00
	ii) 60 x 60 x 75 cm	1.00	No.	4466.00		each	4466.00
	iii) 60 x 60 x 90 cm	1.00	No.	4991.00		each	4991.00
	iv) 60 x 60 x 105 cm	1.00	No.	5474.00		each	5474.00
	v) 60 x 60 x 120 cm	1.00	No.	5997.00		each	5997.00
	vi) 60 x 60 x 150 cm	1.00	No.	6870.00		each	6870.00
2	Laying and jointing S.W. Pipes with cement joint testing including earth work excavation for trenches in hard stiff clay, stiff black cotton, hard red earth, shales, murams, gravel, stoney earth and earth mixed with small size boulders and hard gravelly soil, depositing the earth on banks with initial lead of 10 mts. and carting of pipes from any of the Board's Stores to the site of work, lowering into trenches and aligning, refilling the trenches with excavated soil watering and ramming to consolidation disposal of surplus earth etc complete including the cost of cement and sand (timbering included for depths 2.50m, 3.0m, 3.5m.up to 5.5m)						
	i) 150mm dia S.W. Pipe at 1.0m deep to invert	57.50	m	101.00		m	5807.50
	ii) 250mm dia S.W. Pipe at 1.0m deep to invert	23.50	m	138.00		m	3243.00
	iii) 250mm dia S.W. Pipe at 1.5m deep to invert	25.00	m	160.00		m	4000.00
	TOTAL						44963.50

Signature of tenderer
with seal

SCHEDULE

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Contract No. CNT/WSS/MWB/2006/2010-11

SI No.	Description of works	No.or Qty	Unit	Rate Rs. P	per unit	Amount in Rs. P
Bill No.V :PROVIDING OFFICE OF I.C.M. ROOM AT ETC STORE MAIN BUILDING						
1	Aluminium partitions supplying and fixing in position of Alu. Anodised partition with 62x38x2mm extruded box section at bottom vertical and horizontal members. The vertical meumber ar spaced at 90cm c/c and to horizontal members are spaced at 1.2m, 2.1m and 2.4m height the botom panels should be covered wth 12mm thick PLB exterior grade and top and middle panels should be fixed at 4mm thick glass thick glass with necessary glassing clips, rubber beading etc. including necessary dismantling holes in RCC columns, beams masonry wherever necessary with power drill till the extent required and make good to the original conditons after fixing as directed by the Board officers. All the aluminium sectons should be arodised to 1.5 microns as per ISI specifications 1868/1962 and should be got approved by the site Enginee before use.	50.00	sq.m	2206.00	sq.m	110300.00
2	False ceiling :supplying and fixing in position of false ceiling arrangements with alu. Arodised 'T' section and 'L' angle frame work of grid size 60x60cm with alu. 'T' section and 'L' angle of size 25x25x2mm thick and the same is supported at suitable intervals by adjustable type 6mm dia MS Rod with suitable threaded nuts suspended rods hung from ceiling at 120cm c/c in both direction and fixing 60x60x20mm thick thermocole in the grid so as to give a seat to false ceiling including painting the 6mm dia MS Rod etc. complete complying with standard specifications necessary opening and arrangemnt for fixing electrical fittings should be provided with suitable frame work etc. complete.	70.00	sq.m	445.00	sq.m	31150.00

Signature of tenderer
seal

SCHEDULE

Name of the Work: Improvement works to ETC Main Building,Providing rain water harvesting arrangements at ETC store main building.Renovation of existing bathroom &Toilet,Construction of Sump at ETC store,providing Sewer Connection to ETC store main building and providing o/oICM Room at ETC store main Building

Contract No. CNT/WSS/MWB/2006/2010-11

SI No.	Description of works	No.or Qty	Unit	Rate Rs. P	per unit	Amount in Rs. P
3	Stock brick work with II class bricks in cement motor 1:6 for 23cm thick wall including curing etc. complete	3.00	cum	2658.00	each	7974.00
4	Stock brick work with II Class bricki in cement mortor 1:6 for 23cm thick wall including curing etc. complete extra labour for 11 cm thick wall	0.80	cum	3186.00	cum	2548.80
5	Plastering with cement mortor 1:3 for 12mm thick including curing etc. complete	40.00	sq.m	71.00	sq.m	2840.00
6	White washing two coats	40.00	sq.m	8.00	sq.m	320.00
7	Colour washing two coats	40.00	sq.m	11.00	sq.m	440.00
8	Aluminum door single leaf size 2.1m x 1.0m supplying fabricating and fixing in position of Alu. Anod.natural colour matt finish door half glazed and half PLB board using 12mm thick PLB Board and 5.5mm thick glazed door using rectangular Alu. Box Section of folloiwng sizes for frame and shutter with necessary accessories such as rubber beading Al. clips best double action floor springs Alu. handles on both sides, floor stopper Tower bolt, locks and glass inclduing all materials, labour power consumpition charges required for fabricating if necessary chipping, dismantling making necessary holes in RCC columns Beams or masonry wherever necessary with power drill to the extent required and made good to the original conditions after fixing etc complete. The Alu. surface must be anodised with matt finish under electrically controlled condition in accordance with IS specification 1868/1962 of Anodic filthickness of not less than 15 micross (fifteen) for all sections. All the materials should be got approved by the site Engineer before fixing as directed.	8.50	sq.m	4864.00	sq.m	41344.00

Signature of tenderer
seal

SCHEDULE

Name of the Work: Improvement works to ETC Main Building, Providing rain water harvesting arrangements at ETC store main building. Renovation of existing bathroom & Toilet, Construction of Sump at ETC store, providing Sewer Connection to ETC store main building and providing o/o ICM Room at ETC store main Building

Contract No. CNT/WSS/MWB/2006/2010-11

SI No.	Description of works	No.or Qty	Unit	Rate Rs. P	per unit	Amount in Rs. P
9	Paving the Floor with ceramic tiles: Paving the floor with plain/design ceramic tiles (colour and shade as directed) of size 200mmx200mmx6mm 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	70.00	sq.m	591.00	sq.m	41370.00
10	Providing and fixing white glazed E.W.C. with rose wood seatings (black) low level flushing tank with fittings etc. complete	1.00	No.	2517.00	each	2517.00
11	Supplying and fixing 55cmx40cm colour glazed wash basin with lead and brass connection C.P. Pillar tap and other fitting etc. complete	1.00	No.	2508.00	each	2508.00
12	Supplying and fixing best mirror of size 60cm x 45cm x 6mm thick with plywood back including necessary fitting etc. complete	1.00	No.	460.00	each	460.00
13	Supplying and fixing C.P. Towel rails 45cm x 20mm	1.00	No.	266.00	each	266.00
14	Supplying and fixing chromium plated brass soap dish	1.00	No.	178.00	each	178.00
15	Providing and fixing 15 x 10cm S.W. gully trap with C.I. gratings in B.J. concrete in CM 1:4:10 with silt pit diaphragm arrangements etc. complete	1.00	No.	888.00	each	888.00
16	Providing and fixing 75mm dia Nahini trap (floor trap) with brass gratings	1.00	No.	341.00	each	341.00
17	Providing and fixing door closer	4.00	Nos.	798.75	each	3195.00
18	Providing and fixing notice lock	3.00	Nos.	646.00	each	1938.00
19	Providing cupboard door made of 18mm thick commercial plywood 1mm thick laminating sheet of good quality of approved colour with necessary screws nails and adhesive materials and necessary locking arrangements etc. complete above 0.5m	20.00	sq.m	2219.00	sq.m	44380.00
20	Supplying and fixing of wall mounted fan	4.00	Nos.	1950.00	each	7800.00

Signature of tenderer
seal

SCHEDULE

Name of the Work: Improvement works to ETC Main Building,Providing rain water harvesting arrangements at ETC store main building.Renovation of existing bathroom &Toilet,Construction of Sump at ETC store,providing Sewer Connection to ETC store main building and providing o/oICM Room at ETC store main Building

Contract No. CNT/WSS/MWB/2006/2010-11

SI No.	Description of works	No.or Qty	Unit	Rate Rs. P	per unit	Amount in Rs. P
21	Supplying and fixing of box type 4' 40W single fluorescent fitting complete with T.W. round block and tube on ceiling or wall with connection	12.00	Nos.	420.00	each	5040.00
22	Supplying and fixing of 1.50T capacity split A.C	2.00	Nos.	29000.00	each	58000.00
23	Supplying and fixing of 12" sweep A.C exhaust fan complete including providing necessary opening in the wall	1.00	Nos.	1512.00	each	1512.00
24	Supplying and fixing calling bell	2.00	Nos.	150.00	each	300.00
25	Supplying and fixing emergency lamp	4.00	Nos.	2800.00	each	11200.00
26	Supplying and providing executive table 6' x 3' with double draw	1.00	No.	18000.00	each	18000.00
27	Supplying and fixing executive Revolving Chair	1.00	No.	6116.00	each	6116.00
28	Executive chair with cushion seat	10.00	Nos.	3500.00	each	35000.00
29	Supplying and providing T.W. Glass top Tea Table	1.00	No.	4800.00	each	4800.00
30	Supplying and providing plastic chair	15.00	Nos.	400.00	each	6000.00
31	Supplying T.W. Table without drawer 6'x4'	2.00	Nos.	12000.00	each	24000.00
32	Supplying and fixing 20mm dia PVC Pipe for water pipeline	140.00	mtrs.	75.00	mtr.	10500.00
33	Supplying and fixing 20mm dia S.S. (Tap)	4.00	Nos.	300.00	each	1200.00
34	Supplying and fixing 65mm dia PVC Pipe line for outlet washbasin and bathroom waste waterline	48.00	mtrs.	285.00	mtr.	13680.00
35	Supplying and fixing 65mm PVC door bend	4.00	Nos.	75.00	each	300.00
36	Supplying and laying 110mm dia PVC Pipe	24.00	mtrs.	425.00	mtr.	10200.00
37	Supplying and fixing of 110mm dia PVC Bend	4.00	Nos.	300.00	each	1200.00
38	Supplying and fixing of 110mm dia PVC Tee	2.00	Nos.	300.00	each	600.00
	TOTAL					510405.80

Signature of tenderer
seal

Name of the Work: Improvement works to ETC Main Building, Providing rain water harvesting arrangements at ETC store main building. Renovation of existing bathroom & Toilet, Construction of Sump at ETC store, providing Sewer Connection to ETC store main building and providing o/o ICM Room at ETC store main Building

Contract No. CNT/WSS/MWB/2006/2010-2011

MILESTONE

Details of Milestone and Liquidated Damages

S.No	Name of work	Total quantity	MILESTONES	
			1	2
			Upto 2 months	Upto 4months
1.	Providing O/o of ICM Room at ETC Store Main Building	100%	75%	100%
2	Construction of Sump at ETC Store	100%	75%	100%
3	Providing Sewer Connection to ETC Store Main Building	100%	---	100%
4.	Renovation of existing Bathroom & Toilet	100%	---	100%
5.	Providing Rain Water Harvesting arrangements at ETC Store Main Building	100%	---	100%

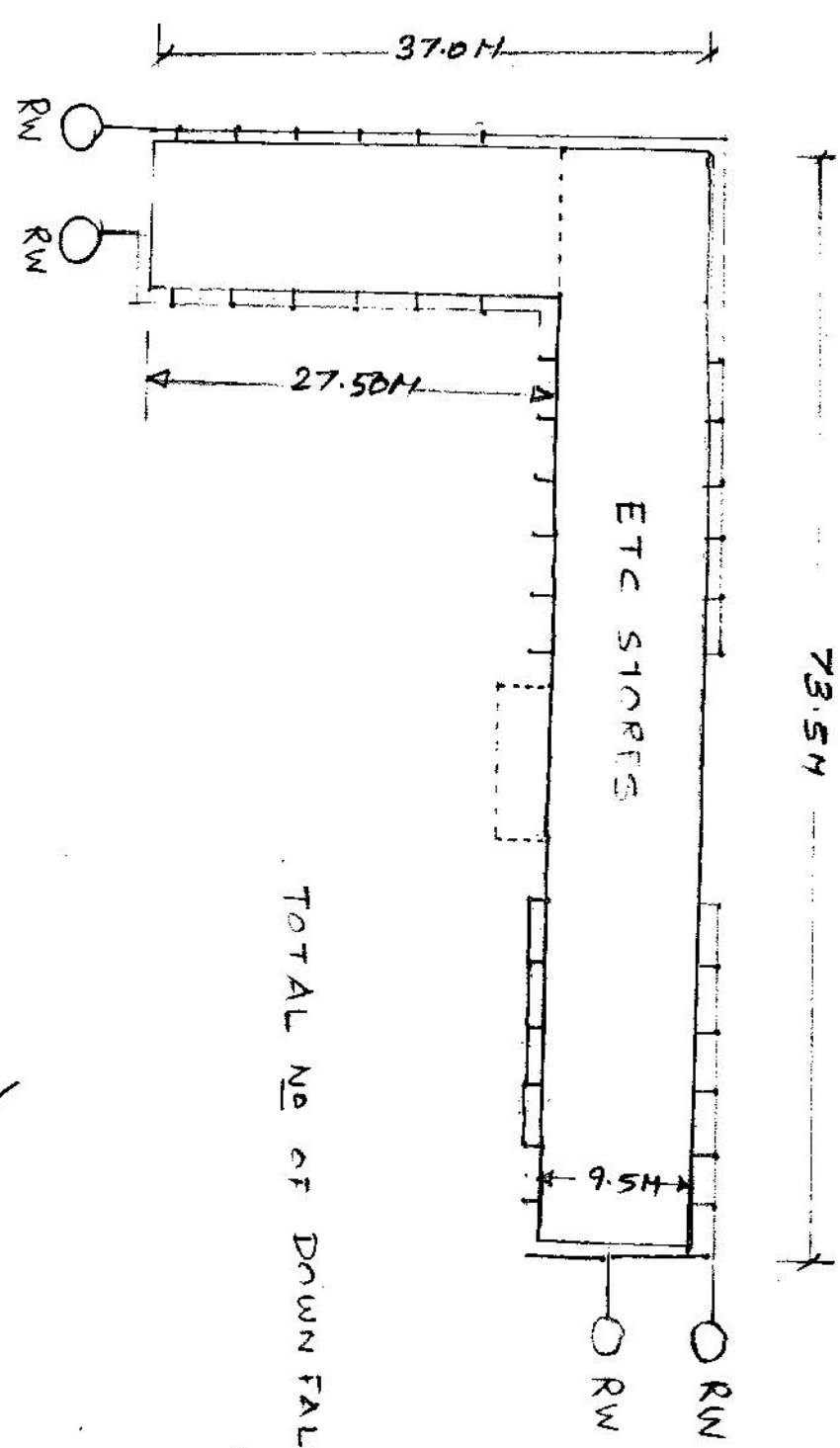
The Liquidated damages for the whole of the works are Rs.490 /- per day and that for the milestone are as under,

For milestone 1 - Rs.240.00 per day

For milestone 2 - Rs.250.00 per day

Signature of Tenderer with Seal

PRO. RAINWATER HARVESTING AT
ETC STORES MAIN BUILDING.



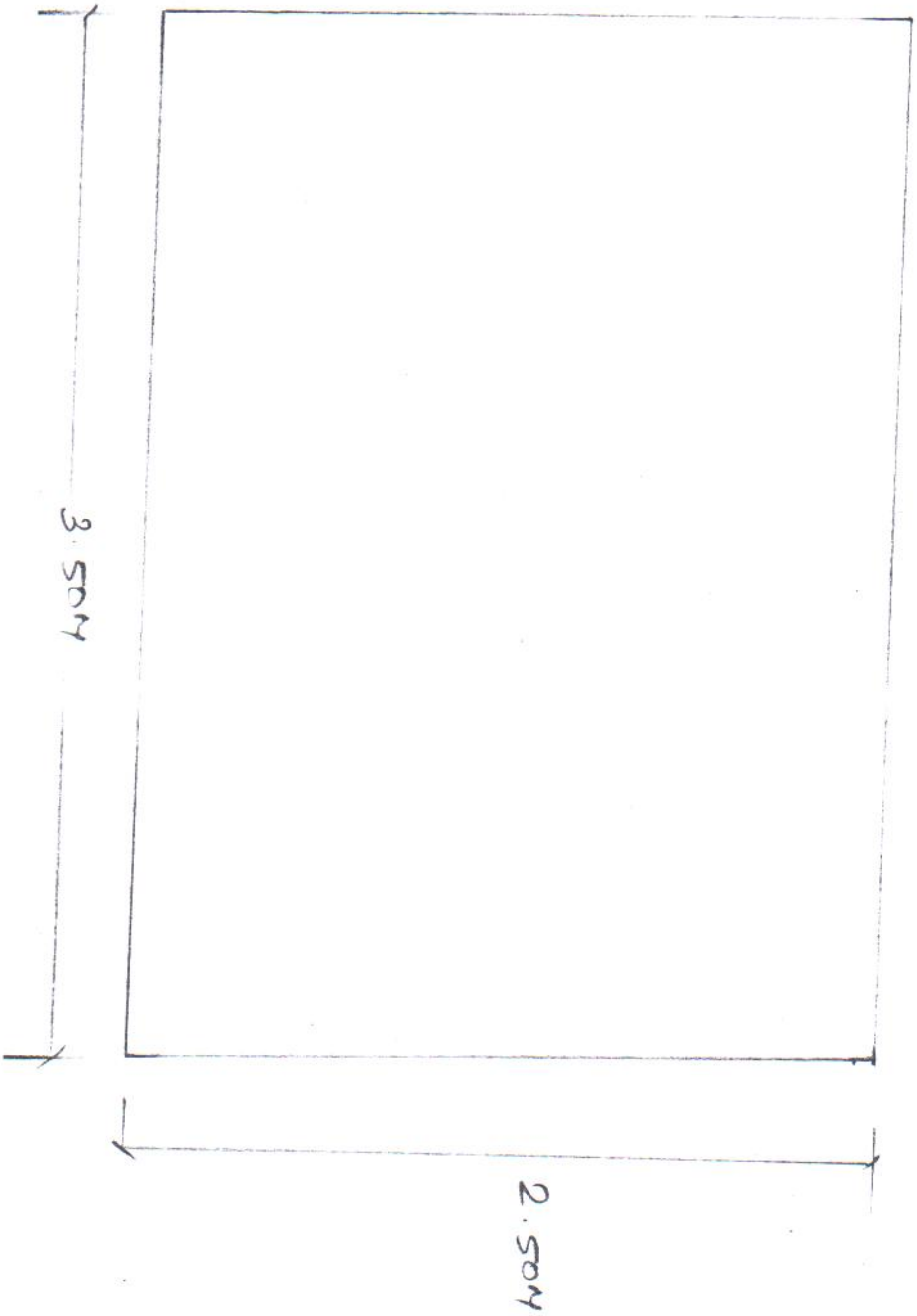
TOTAL NO OF DOWN FALL PIPE 9.00M = 4 NOS.

6.00M = 32 N.

Approved by
6/11/19

Approved by
6/11/19

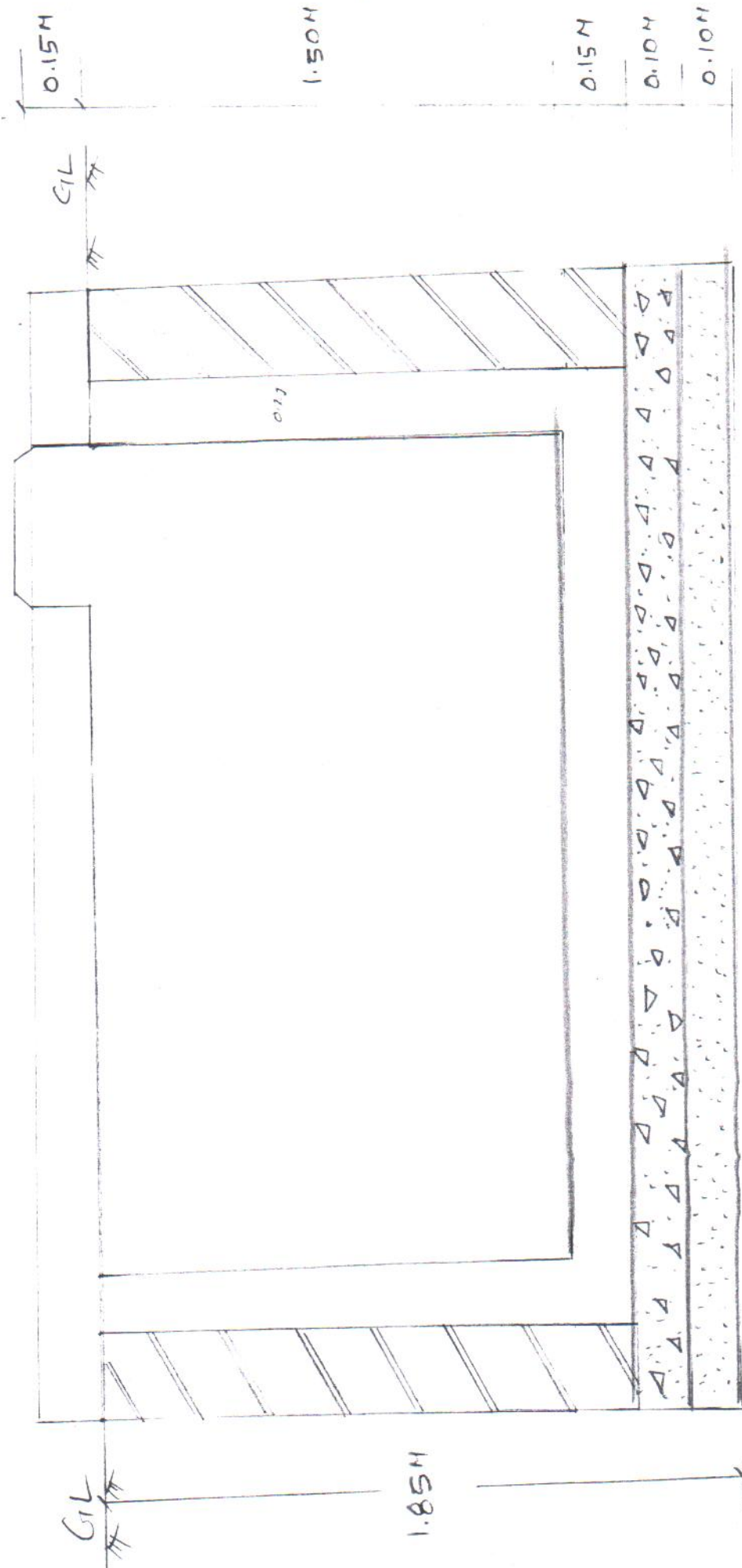
PRO. CONSTRUCTION OF SUNP SIZE 3.50M X 2.50M X 1.50M



Arjun
11/1/20

Arjun
11/1/20

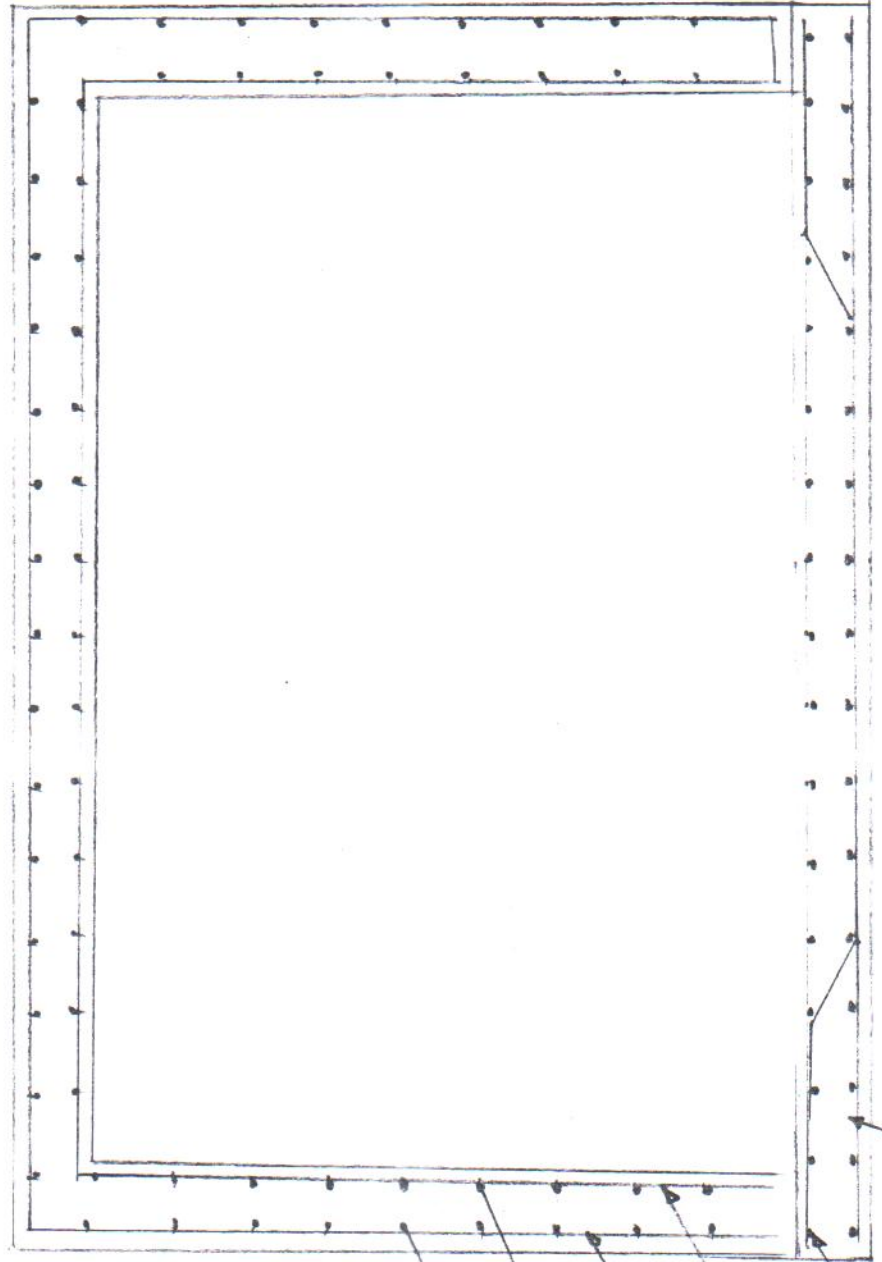
PRO. CONSTRUCTION OF SUMP (3.50 x 2.50 x 1.50M)



Dr. M. S. Jaisankar
11/11/20
PAC

Dr. M. S. Jaisankar
11/11/20

REINFORCEMENT DETAILS.



12mm Φ RTS
15cm c/c.

12mm Φ N.S.
15cm c/c

12mm Φ RTS
15cm c/c

10mm Φ N.S.
15cm c/c

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PRO. SEWER CONNECTION



□ : PRO. SEWER CONNECTION

□ : PRO. WATER CONNECTION

PRO. SUMP 4.50 x 3.00 x 2.00M

□ : 150mm sup : 57.50M

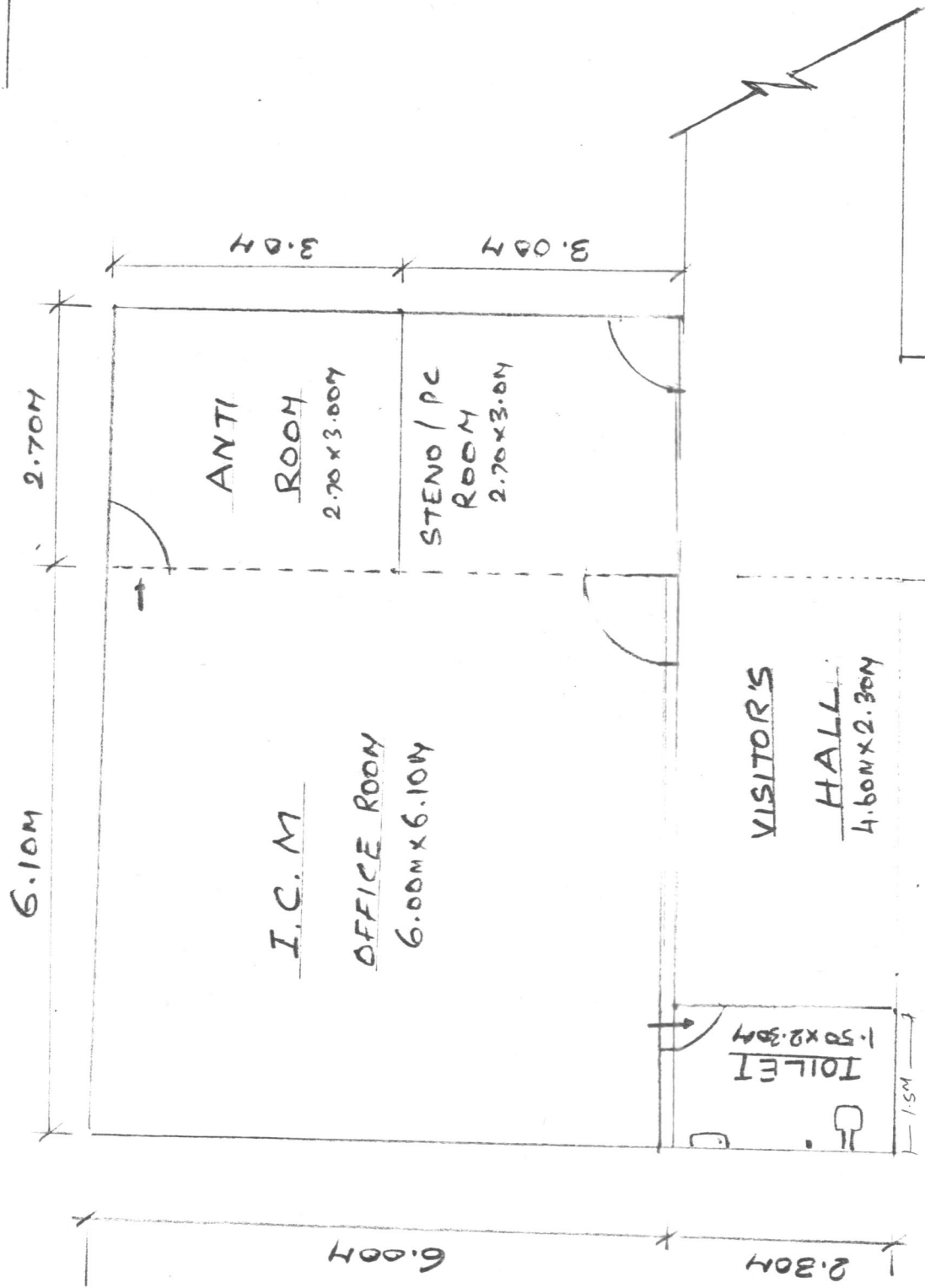
□ : 250mm sup : 48.50M

- ① 60 cm x 60 cm x 60 cm - 1 No /
- ② 60 cm x 60 cm x 75 cm - 1 No /
- ③ 60 cm x 60 cm x 90 cm - 1 No /
- ④ 60 cm x 60 cm x 105 cm - 1 No /
- ⑤ 60 cm x 60 cm x 120 cm - 1 No /
- ⑥ 60 cm x 60 cm x 150 cm - 1 No /

Handwritten signature

Handwritten signature
18/11/18

TRD. 010 ICM OFFICE ROOM



Approved
20/11/10
PR

Sumir
20/11/10