

Name of Work: Renovation works to the existing hostel building and construction of additional rooms in first floor at Training Centre , CMWSSB, Kilpauk , Chennai

Contract No. CNT/WSS/GOTN/1994/2010-2011

CHECK LIST FOR THE GUIDANCE OF THE CONTRACTOR

I		The Tender schedule for the above work consists of 37 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 s	Page –13-33
	(viii)	Drawings - 4 Nos	
II	1	The total number of items in the work schedule – 120 Nos and the departmental value works out to Rs.68,61,493.44 .	
	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- II A & IIIB 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.</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	

Signature of Tenderer with Seal

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	enclosed in a separate cover superscribed " EMD for contract No. CNT/WSS/MWB/1994/2010-2011 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.12 . 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
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	Renovation works to the existing hostel building and construction of additional rooms in first floor at Training Centre , CMWSSB, Kilpauk , Chennai CNT/WSS/GOTN/1994/2010-2011	19.05.2010 up to 3.00 P.M	68.62	44,350/-	03.05.10 to 18.05.10	class IIA& IIIB 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	www.chennaietrowater.tn.nic.in & www.tenders.tn.gov.in					
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 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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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 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. 44,350/-** 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 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

Signature of Tenderer with Seal

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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 "Renovation works to the existing hostel building and construction of additional rooms in first floor at Training Centre , CMWSSB, Kilpauk , Chennai", 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 “**Renovation works to the existing hostel building and construction of additional rooms in first floor at Training Centre , CMWSSB, Kilpauk, Chennai**” with a tender percentage of (-) Minus-----
------(in words) -----(in figures) over departmental value of Rs. 68.61.493.44 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 N

I / We agree to execute the work of “**Renovation works to the existing hostel building and construction of additional rooms in first floor at Training Centre , CMWSSB, Kilpauk, Chennai**” at the department value of **Rs. 68,61,493.44** for all items of work furnished in the schedule.

FORM NO:C

I / We agree to execute the work of “**Renovation works to the existing hostel building and construction of additional rooms in first floor at Training Centre , CMWSSB, Kilpauk, Chennai**” with a tender percentage of (+) Plus -----
------(in words) ----- (in figures) over departmental value of Rs. 68,61,493.44 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	Civil Works	100%	40%	80%	100%
2	Water supply & Sanitary works	100%	----	30%	100%
3	Electrical works	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.925.00 per day

For milestone 2 - Rs.1445.00 per day

For milestone 3 - Rs.1061.00 per day

ABSTRACT

Name of the Work: Renovation works to the existing hostel building and construction of additional rooms in first floor at Training Centre, CMWSSB, Kilpauk, Chennai

Contract No. CNT/WSS/MWB/1994/2010-2011

Bill No	Description of works	Amount in Rs. P
I	Civil Works	4617130.44
II	Water supply & Sanitary works	402823.00
III	Electrical works	1841540.00
	Total amount in figures	6861493.44

Signature of the tenderer with seal

SCHEDULE

Name of the Work: Renovation works to the existing hostel building and construction of additional rooms in first floor at Training Centre, CMWSSB, Kilpauk, Chennai

Contract No. CNT/WSS/GOTN/1994/2010-2011

SI No.	Description of works	No. or Qty	Unit	Rate per Unit in Rs. P	per	Amount in Rs. P
	Bill No. I CIVIL WORKS					
1	Dismantling including disposing the debris for a lead of 12 Km etc., complete.					
A	B.W in CM walls under 3 m high	31.00	m ³	124.00	m ³	3844.00
B	Plain Cement Concrete	42.00	m ³	171.00	m ³	7182.00
C	Filling sand	42.00	m ³	114.00	m ³	4788.00
D	Reinforced Cement Concrete	4.00	m ³	1779.00	m ³	7116.00
E	Dismantling / Cutting and disposing the Mosaic tiles by utilising stone cutters or any other tool	393.00	m ²	73.00	m ³	28689.00
F	Dismantling the existing Weathering course tiles and brick jelly concrete by utilising stone cutters or any other tool of the terrace including disposing the debris for a lead of 12 km etc.	362.00	m ²	81.00	m ³	29322.00
2	Clean removal of cement plaster from walls and racking out joints 20mm deep	152.00	m ²	2.75	m ²	418.00
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	60.00	m ³	57.50	m ³	3450.00
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	68.00	m ³	2099.00	m ³	142732.00
5	Supplying and filling sand for foundations and basement including watering consolidating ramming, etc., complete	68.00	m ³	345.00	m ³	23460.00
6	Providing form work with centering for soffits of reinforced cement concrete slabs or plain surfaces including strutting upto 3m high	1180.00	m ²	428.00	m ²	505040.00

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 per	Amount in Rs.	P
7	Cement concrete 1:2:4 using 12 to 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						
a	Below GL	4.20	m ³	3003.00	m ³	12612.60	
b	at G.Floor	10.10	m ³	3033.60	m ³	30639.36	
c	at F.Floor	109.10	m ³	3094.65	m ³	337626.32	
d	at S.Floor	3.30	m ³	3155.70	m ³	10413.81	
8	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.	12670.00	kg	38.00	kg	481460.00	
9	Stock brick work with II class bricks in cement mortar 1:5 for over 23 cm thick wall including curing etc complete	4.00	m ³	2409.00	m ³	9636.00	
10	Stock brick work with II class bricks in cement mortar 1:5 for over 23 cm thick wall including curing etc. complete						
a	at G.Floor	26.00	m ³	2713.35	m ³	70547.10	
b	at F.Floor	112.00	m ³	2754.05	m ³	308453.60	
c	at S.Floor	26.00	m ³	2794.75	m ³	72663.50	
11	Stock brick work with II class bricks in cement mortar 1:5 for 11 cm thick wall including curing etc. complete						
a	at G.Floor	11.00	m ³	3241.35	m ³	35654.85	
b	at F.Floor	10.00	m ³	3282.05	m ³	32820.50	
12	Plastering with cement mortar 1:3 for 20mm thick including curing, etc., complete	2314.00	m ²	132.00	m ²	305448.00	

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	per	Amount in Rs. P
13	Special ceiling plastering for RCC slabs, and beams in CM 1:3 – 10mm thick including hacking and curing, etc., complete	438.00	m ²	68.00	m ²	29784.00
14	Laying C.C. 1:2:4 for RCC sunshade work using 20mm hard broken stone jelly 80mm thick at wall end and 50mm thick at free end projecting 600mm from wall face moulded along with RC lintels and tailed into the full thickness of wall where there are no lintels excluding cost of reinforcement but including centering, shuttering, compacting, curing and finishing, etc., complete	30.00	m	515.00	m	15450.00
15	Concrete with broken brick jelly 20mm gauge in pure slacked lime over R.C.C. roof slab in the proportion of 32:12 ½ (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.	41.00	m ³	1275.00	m ³	52275.00
16	Terrace flooring with one course of best quality flat tiles of 23cmx23cm using CM 1:3 mixed with crude oil 10% by weight of cement and pointed with same oiled mortar	407.00	m ²	340.00	m ²	138380.00
17	Supply and Paving the floor with plain/design Vitrified tiles (colour and shade as directed) of size 600mm x 600mm 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 including cleaning so as to make perfectly smooth and glazzy etc. complete	387.00	m ²	877.00	m ²	339399.00

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SI No.	Description of works	No. or Qty	Unit	Rate per Unit in Rs. P	per	Amount in Rs. P
18	Dadoing walls with glazed tiles of sizes 15cmx15cmx6mm thick laid in CM 1:2, 10mm thick and pointing with white cement using 0.4 Kg/m ² including finishing the joint and pointing flush with tile surface, etc., complete	320.00	m ²	557.00	m ²	178240.00
19	Paving the floor with plain/design ceramic tiles (colour and shade as directed) of size 305 mm x 305mm x 6 mm 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	77.00	m ²	596.00	m ²	45892.00
20	Supplying and fixing in position Cement based hydraulically pressed Anti-Skid tiles (pattern design) 20 mm thick in cement mortar 1:3, 20 mm thick & pointed with same colour of cement etc., complete.	255.00	m ²	590.00	m ²	150450.00
21	Supplying and fixing in position Cudappah stone slab 40 mm thick in cement mortar 1:3, 20 mm thick & pointed with same colour of cement etc., complete.	17.00	m ²	610.00	m ²	10370.00
22	White washing two coats	748.00	m ²	8.00	m ²	5984.00
23	Painting one coat primer with approved cement paint over new cement plastered wall surface, ceiling including cleaning preparing the surface and curing, etc., complete	2420.00	m ²	19.00	m ²	45980.00
24	Distembering two coats (aquatinta distember oil bound) new work	1488.00	m ²	30.00	m ²	44640.00
25	Painting two coats with approved acrylic emulsion paint including making the wall surface smooth with Birla patty or any other equivalent quality approved by site engineer including cleaning preparing the surface, etc., complete	931.00	m ²	295.00	m ²	274645.00

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SCHEDULE

Name of the Work: Renovation works to the existing hostel building and construction of additional rooms in first floor at Training Centre, CMWSSB, Kilpauk, Chennai

Contract No. CNT/WSS/GOTN/1994/2010-2011

SI No.	Description of works	No. or Qty	Unit	Rate per Unit in Rs. P	per	Amount in Rs. P
26	Panelled door with Best Indian teak wood frames 100x75mm at side verticals and top. The shutter shall be 30mm thick with imported phenolic bonded moulded fibre board panels (Masonite, Heavy duty) FANTASY/VISHALA model - from Kutty flush doors and furniture co. private Ltd. 6 Nos. of iron hold fasts fixed in C.C. 1:2:4 using 6 to 10mm chips 3 Nos. of butt hinges 125mm long including wind appliances, furniture iron fittings, one No. of iron pad lock 15cm long for locking arrangements and fixed in position, etc., complete (0.9 x 2.0m)	19.00	m ²	4796.00	m ²	91124.00
27	Replacing the existing door shutter with Panelled door shutter. The shutter shall be 30mm thick with imported phenolic bonded moulded fibre board panels (Masonite, Heavy duty) FANTASY/VISHALA model - from Kutty flush doors and furniture co. private Ltd. including wind appliances, furniture iron fittings, one No. of iron pad lock 15cm long for locking arrangements and fixed in position, etc., complete (0.9 x 2.0m)	8.00	m ²	3175.00	m ²	25400.00
28	Supplying and fixing in position PVC door in single shutter with frames at verticals and top, hold fasts fixed in in C.C 1:2:4 using 6 to 10mm chips 3 nos brass but hinges 125mm long, necessary locking arrangements etc., complete	26.00	m ²	1710.00	m ²	44460.00

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Contract No. CNT/WSS/GOTN/1994/2010-2011

SI No.	Description of works	No. or Qty	Unit	Rate per Unit in Rs. P	per	Amount in Rs. P
29	Supplying, fabricating and fixing in position of Alumi. Anod. natural colour matt finish door half glazed and half PLB board using 12 mm thick PLB board and 5.5 mm thick glazed door using rectangular Alu. Box section of following sizes for frame and shutter with necessary accessories such as rubber beading, Al. Clips, Best double action floor springs, Aluminium Handles on both sides, floor stopper, Tower bolt, Locks and glass including all materials, Labour, power consumption charges required for fabrication 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 Alumi. surface must be anodised with matt finish under electrically controlled condition in accordance with IS specification 1868 / 1962 of Anodic film thickness of not less than 15 Microns (Fifteen) for all sections. All the materials should be got approved by the Site Engineer before fixing as directed.	7.60	m ²	4864.00	m ²	36966.40

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Contract No. CNT/WSS/GOTN/1994/2010-2011

SI No.	Description of works	No. or Qty	Unit	Rate per Unit in Rs. P	per	Amount in Rs. P
30	Supplying and fabrication and fixing in position of anodised natural colour matt finish sliding window in two track in all floors with following sizes. All the three shutters with sliding arrangements, the bottom section should have Gutter arrangements so as to drain the water entering and made with extruded aluminium section for outer frames as shown below with necessary accessories such rubber beading. Aluminium clips, rubber beading, handle and fixing 4mm thick clear sheet glass including all required for fabrication etc., complete. Necessary dismantling making holes in RCC columns, beams, masonry wherever necessary with power drill to the extent required and made good to the original conditions after fixing as directed by the Board officers. The Al. Surfaces is to be anodised with matt finish under electrically condition in accordance with ISI 1868/1962 specification for an average anodic film thick of not less than 15 microns. (All materials should be got approved by the Site Engineer before fixing in position)	62.00	m ²	2104.00	m ²	130448.00

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SI No.	Description of works	No. or Qty	Unit	Rate per Unit in Rs. P	per	Amount in Rs. P
31	Supplying and fixing in position of aluminium anodised colour matt finish Louvered Ventilator . The outer frame will be 62x38x2mm @ 1.17 Kg / m and the louvers with moving arrangements will be made with Alu. Channel of size 60x30x4 mm @ 1.27 kg /m with necessary glass pans for louvers 4mm thick Al. Clips, including all materials, labour & power consumption charges required for fabrication if necessary chipping dismantling making holes in RCC columns, beams or masonry wherever necessary with power drill to the extent required and make good to the original conditions after fixing etc., complete. The Aluminium surface is to be anodised with matt finish under electrically controlled condition in accordance with ISI specification 1868/1962 of anodic film thickness of not less than 15 microns (fifteen) for all sections. All the materials should be got approved by the Site Engineer before fixing in position as directed.	13.00	m ²	3006.00	m ²	39078.00
32	R.C.C. jolly work 50mm thick in cement concrete 1:2:4 including moulding curing, etc., complete.	9.00	m ²	513.00	m ²	4617.00
33	Providing plywood cupboard with Padak wood frames of 100 X 60mm all round and shutters of 20mm tk water resistant and termite resistant plywood with mica sheet pasted on the front side including necessary fittings, locking arrangements etc., complete	62.00	m ²	5400.00	m ²	334800.00
34	Priming coat on new wood work with ready mixed primer of approved quality	108.00	m ²	29.00	m ²	3132.00
35	Painting with superior quality ready mixed paint of any approved colour two coats on new wood work	108.00	m ²	68.00	m ²	7344.00

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Contract No. CNT/WSS/GOTN/1994/2010-2011

SI No.	Description of works	No. or Qty	Unit	Rate per Unit in Rs.	P per	Amount in Rs.	P
36	Painting with superior quality ready mixed paint of any approved colour two coats on old wood work	59.00	m ²	62.00	m ²	3658.00	
37	Granolithic flooring 25mm thick with CC 1:2:4 using 3-10mm chips and top surface rendered smooth with cement including thread lining 25mm dia GI pipe of necessary length for water outlet curing, etc. complete.	84.00	m ²	135.00	m ²	11340.00	
38	Supplying & fixing M.S. grills for window and gate including one coat of primer with red lead etc. complete as directed.	1677.00	Kg	46.20	Kg	77477.40	
39	Priming red lead two coats (over priming coat not included in rate)	84.00	m ²	36.00	m ²	3024.00	
40	Painting with superior quality ready mixed paint of any approved colour two coats for new iron work	84.00	m ²	60.00	m ²	5040.00	
41	Painting with superior quality ready mixed paint of any approved colour two coats for old iron work	59.00	m ²	54.00	m ²	3186.00	
42	Design and submission of detailed reinforcement drawings for columns, beams, roofslab, lintels for approval	53.00	m ²	10.00	m ²	530.00	
	Total					4617130.44	

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Name of the Work: Renovation works to the existing hostel building and construction of additional rooms in first floor at Training Centre, CMWSSB, Kilpauk, Chennai

Contract No. CNT/WSS/GOTN/1994/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
	Bill No. II PLUMBING AND SANITATION WORKS					
1	Supplying and fixing 55cm x 40cm colour glazed wash basin with lead and brass connections, C.P. Pillar Tap and other fittings, etc., complete	17.00	nos	2508.00	no	42636.00
2	Supplying and fixing CP wall mixture	14.00	nos	4100.00	no	57400.00
3	Supplying and fixing 15mm dia C.P.pillar tap	19.00	nos	277.00	no	5263.00
4	Supplying, cutting, threading and jointing of PVC pipes of followign dia with necessary specials including fixing to walls with necessary clamps and screws, making holes in the walls or drilling holes in roof, carting materials, replacing the same with necessary brickwork and plastering wherever necessary scaffolding					
a	100mm dia	114.00	m	256.00	m	29184.00
b	75mm dia	56.00	m	221.00	m	12376.00
5	Supplying PVC pipes and specials of the following sizes including cutting threading and jointing with necessary specials including carting the materials, cutting the masonry wall using cutting machine or any other tools, fixing to wall with necessary clamps and screws, making holes in roof, repacking the same with necessary brick work and plastering wherever necessary with scaffolding, etc., complete					
a	32mm dia	164.00	m	170.00	m	27880.00
b	25mm dia	80.00	m	137.00	m	10960.00
c	20mm dia	200.00	m	122.00	m	24400.00
6	Supplying and fixing C.P.Towel rails 45cm x 20mm	16.00	nos	266.00	no	4256.00
7	Supplying and fixing C.P. Shower raiser 15mm	28.00	nos	202.00	no	5656.00

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Contract No. CNT/WSS/GOTN/1994/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
8	Supplying and fixing ceramic soap dish	16.00	nos	310.00	no	4960.00
9	Supplying and fixing best mirror of size 60cmx45cm of 6mm thick with plywood back including necessary fittings, etc., complete	16.00	nos	460.00	no	7360.00
10	Supplying and fixing 51cm colour glazed water closet pan with 'P' or 'S' trap including foot rests (colour glazed) and supplying, laying 100mm dia S.W.P, concrete encasing the W.C. appurtenance, etc., complete	2.00	nos	2037.00	no	4074.00
11	Providing and fixing colour glazed European water closet with rose wood seatings (Black) low level flushing tank with fittings, etc., complete.	14.00	nos	3540.00	no	49560.00
12	Providing and fixing 15X10cm S.W.gully trap with C.I. gratings in B.J.concrete in C.M. 1:4:10 with silt pit diaphragm	10.00	nos	888.00	no	8880.00
13	Providing and fixing 75mm dia Nahini trap (floor trap) with brass gratings	18.00	nos	341.00	no	6138.00
14	Supplying, laying jointing and testing 100mm dia PVC pipe including earthwork excavation for trenches in all kinds of soil, depositing the earth on banks with initial lead of 10m. lowering the pipes into the trenches, aligning, refilling the trenches with excavated earth in layers of not more than 23cm thick watering, ramming to consolidation and disposal of surplus earth etc., complete at an average depth of 1m	85.00	m	250.00	m	21250.00
15	Supplying and fixing flat back white glazed tipped or tongued urinals of 46.50x35.5x26.5cm with 32mm dia lead wastepipe with Bell mouth opening of 75cm long 15mm dia wheel valve with lead and brass connection, etc. complete.	4.00	nos	1190.00	no	4760.00

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Contract No. CNT/WSS/GOTN/1994/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
16	Construction of inspection chambers of following sizes with earth work excavation for foundation, 23cm thick concrete bed using 40mm brick jelly concrete in C.M. 1:4:10 for foundation, brick work in C.M. 1:6 for chamber, plastering with C.M. 1:3, 12mm thick, benching, channelling, supplying and fixing 45x45cm medium weight L.S. cover and frame, etc., complete					
a	60 X 60 X 120 cm	4.00	nos	5997.00	no	23988.00
b	60 X 60 X 105 cm	4.00	nos	5474.00	no	21896.00
c	60 X 60 X 90 cm	6.00	nos	4991.00	no	29946.00
	Total					402823.00

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SCHEDULE

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Contract No. CNT/WSS/GOTN/1994/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
	Bill No. III - ELECTRICAL WORKS					
1	POWER DISTRIBUTION BOARDS					
	Supply, installation, testing & commissioning of TPN, Power distribution boards made up of 14 swg sheet metal fabrication painted with powder coated Siemens grey paint conforming to the technical specifications.					
1.1	Main MV panel Incomer : 1- No 250 A 35 KA MCCB out Going : 2 nos - 200A 25 KA MCCB 2 nos -100 A MCCB Indication lamps for phase, Voltmeter with selector switch, Ammeter with selector switch, current transformers, internal wiring with 2.5 sq mm Pvc copper wire, Aluminium bus bars of 250 Amps capacity	1	No	102094.00	No	102094.00
1.2	SUB SWITCH BOARD -1 Supply, installation, testing & commissioning of TPN, distribution boards made up of 14 swg sheet metal fabrication painted with powder coated Siemens grey paint conforming to the technical specifications for ground floor & first floor 12 way Fabricated DB Incomer 1 - No 200A 3Pole, MCCB - 35 KA Outgoing 12 Nos 40 A 2 Pole 10KA rated MCB's (4 nos of MCCB per phase)	2	Nos	73953.00	No	147906.00
1.3	8 WAY SP DB Confirming to the technical specifications of MCB DB's with the following MCB's And lighting sub Incomer : 1- No 40 A DP 10 KA MCB Out Going : 2 nos - 25A 10 KA SP MCB 2 nos - 10A 10 KA SP MCB	20	Nos	7573.00	No	151460.00
1.4	200A TPN SFU with sheet steel enclosure with Necessary Incoming and Outgoing Cable Adapter boxes	1	No	12500.00	No	12500.00
1.5	100A TPN SFU with sheet steel enclosure	1	No	6500.00	No	6500.00

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SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
	with Necessary Incoming and Outgoing Cable Adapter boxes.					
2	Supply, laying, testing & commissioning of the following sizes of 1.1KV grade Aluminium / Copper Conductor armoured power cables on trays, ceilings, walls trenches, ground etc., with necessary clamps, cable ties, fasteners, identification tags, cable marking as required. Cost of sand, bricks, excavation should not be included in the rate quoted & measured separately.					
2.1	3.1/2C 150SQ.MM AL.AR AYFY CABLE From KPS raw water control panel to the MCC1	180	Mtr	827.00	Mtr	148860.00
2.2	3 1/2 C 95 .SQ.MM AL AR AYFY CABLE From MCC1 control panel to the SSB1	20	Mtr	606.00	Mtr	12120.00
2.3	4C 10 SQ.MM AL.AR AYFY CABLE	60	Mtr	232.00	Mtr	13920.00
2.4	2C 6SQ.MM.AL.AR.Cable	120	Mtr	203.00	Mtr	24360.00
3	TERMINATIONS Supply & end termination of following AL/CU armoured power cables with necessary double compression brass glands, AL/CU. terminal sockets, insulation tapes, fasteners, earthing clips & connecting the clip to main earth bus with suitable bare copper wire complete accessories as required					
3.1	3 1/2 C 150 SQ.MM AYFY	2	Nos	579.00	No	1158.00
3.2	3 1/2 c 95 sq.mm AYFY	4	Nos	497.00	No	1988.00
3.3	4C 10 SQ MM AYFY	6	Nos	232.00	No	1392.00
3.4	2C6 SQ MM AYFY	12	Nos	211.00	No	2532.00
4	RUN OF MAINS FOR LIGHTING AND POWER WIRING All wires used throughout the project shall be PVC insulated copper conductors FRLS type. All conduits in guest rooms area shall be of 2 MM thick Rigid PVC Conduits,					

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Contract No. CNT/WSS/GOTN/1994/2010-2011

SI No.	Description of works	No. or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
4.1	Supply, wiring, testing & commissioning of 3R x 6sqmm PVC FRLS wire in suitable PVC conduits in wall/ truss/ceiling with all accessories as required from SSB1 & SSB2 to Guest rooms.	350	Mtr	215.00	Mtr	75250.00
4.2	Supply, wiring, testing & commissioning of 3R x 4sqmm PVC FRLS wire in suitable PVC conduits in wall/ truss/ceiling with all accessories as required from Room MCB DB to the AC Point Socket outlet	350	Mtr	164.00	Mtr	57400.00
4.3	Supply, wiring, testing & commissioning of 3R x 4sqmm PVC FRLS wire in suitable PVC conduits in wall/ truss/ceiling with all accessories as required from Room MCB DB to the Gaiser Point Socket outlet/16 A Socket outlet	400	Mtr	164.00	Mtr	65600.00
4.4	Supply, wiring, testing & commissioning of 3R x 2.5sqmm PVC FRLS wire in suitable PVC conduits in wall/ truss/ceiling with all accessories as required from Room MCB DB to Light switch board (light switch boards, exhaust fan, 5 Amp socket outlet, special purpose socket outlets).	300	Mtr	131.00	Mtr	39300.00
5	POINT WIRING					
	All wires used throughout the project shall be PVC insulated copper conductors FRLS type. All conduits in shop floor/admin/substation area shall be of 2 MM thick Rigid PVC Conduits, switches shall be modular switches with consealed metal boxes and Front acrylic plates MK / equivalent make)					
5.1	Supply, wiring, testing & commissioning of 3runs of 2.5sq.mm. in suitable PVC conduits on ceilings/ walls etc., for light point controlled by 6A 1way modular switch in suitable Metal box with all accessories, including required stone cutting, Rough replastering as required	132	pt	1429.00	1	188628.00

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SCHEDULE

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Contract No. CNT/WSS/GOTN/1994/2010-2011

SI No.	Description of works	No. or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
5.2	Supply, wiring, testing & commissioning of 3 runs of 2.5sq.mm. in suitable PVC conduits on ceilings/ walls etc., for fan point controlled by 6A 1way modular switch and electronic fan regulator in suitable Metal box with all accessories as required	20	pt	1670.00	pt	33400.00
5.3	Supply, wiring, testing & commissioning of 3 runs of 2.5sq.mm. in suitable PVC conduits on ceilings/ walls etc., for 5 Amps socket outlet point controlled by 6A 1way modular switch MK/Equivalent and in suitable Metal box with all accessories as required	104	pt	1731.00	pt	180024.00
5.4	Supply & Fixing of 20A metal clad plug & socket controlled by 20A SP MCB Metal enclosure concealed in the wall for A.C Unit.	20	Nos	1400.00	No	28000.00
6	MODULAR SWITCHES					
6.1	Supply installation, testing and commissioning of 20A Energy key switch with time delay. (This equipment serves as master power control for guest rooms.) MK make Model no W26527 & all required accessories/ Equivalent	14	Nos	2165.00	No	30310.00
6.2	Supply installation, testing and commissioning of modular type 25A Mini trip switch mounted on suitable galvanised metal box complete with Grid plate and cover plate. The mounting of the lamp shall be flush mounted. The job includes required stone cutting on wall, rough plastering (MK model no W26227/equivalent)	16	Nos	775.00	No	12400.00

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SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
6.3	Supply installation, testing and commissioning of modular type 16 A/ 6A Socket out let controlled by 16 A modular type switch mounted on suitable galvanised metal box comple with Grid plate and cover plate. The mounting of the socket out let shall be flush mounted . The job includes requied stone cutting on wall , rough plastering / mounted on wooden surface.(MK model no W26424+W26413A/Equivalent)	36	Nos	770.00	No	27720.00
6.4	Supply installation, testing and commissioning of modular type telephone Socket out let mounted on suitable galvanised metal box comple with Grid plate and cover plate. The mounting of the socket out let shall be flush mounted . The job includes requied stone cutting on wall , rough plastering / mounted on wooden surface.(MK model no W26490/equivalent)	20	Nos	400.00	No	8000.00
6.5	Supply installation, testing and commissioning of modular type computer jack out let mounted on suitable galvanised metal box comple with Grid plate and cover plate. The mounting of the socket out let shall be flush mounted . The job includes requied stone cutting on wall , rough plastering / mounted on wooden surface.(MK model no W27493/equivalent)	16	Nos	750.00	No	12000.00
6.6	Supply installation, testing and commissioning of modular type TV Co oxial socket out let mounted on suitable galvanised metal box comple with Grid plate and cover plate. The mounting of the socket out let shall be flush mounted . The job includes requied stone cutting on wall , rough plastering / mounted on wooden surface.(MK model no W27451/equivalent)	16	Nos	410.00	No	6560.00

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Contract No. CNT/WSS/GOTN/1994/2010-2011

SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
6.7	Supply installation, testing and commissioning of modular type Bell Push mounted on suitable galvanised metal box complete with Grid plate and cover plate. The job includes required stone cutting on wall, rough plastering / mounted on wooden surface.(MK make/equivalent) including providing suitable calling bell & internal wiring.	15	Nos	1500.00	No	22500.00
7	LIGHTING FIXTURES					
7.1	Portico					
7.1.1	Supply and installation of Portico Luminaire K- Lite model no 2938 /equivalent with twin 18 w round translucent complete with all accessories -choke, starter, tube, etc. suitable for wall mounting or roof mounting.	2	Nos	2147.00	No	4294.00
7.2	Reception					
7.2.1	Supply and installation of Fluorescent light fitting box type K-LITE model no 1626 w /equivalent with two nos of 28 W fluorescent tubelight lamps with powder coated reflector complete with all accessories -choke, starter, etc. suitable for wall mounting or roof mounting.	2	Nos	1956.00	No	3912.00
7.2.2	Supply and installation of three wire flat LED lights model no 7921/equivalent with accessories.	2	Nos	3137.00	No	6274.00
7.2.3	Supply and installation of wall mounting type fancy fitting.	2	Nos	1500.00	No	3000.00
7.2.4	Supply and installation of Mirror optic surface mounted wide spread Luminaire K-Lite model no 1513/equivalent with twin 4 nos of 18 w CFL complete with all accessories for reception counter.	4	Nos	5162.00	No	20648.00
7.3	Corridor					
7.3.1	Supply and installation of Mirror optic surface mounted wide spread Luminaire K-Lite model no 2349/Equivalent with twin 18w CFL EP complete with all accessories for corridor lighting.	24	Nos	1967.00	No	47208.00

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SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
7.3.2	Supply installation, testing and commissioning of modular type foot lamp and lamp holder mounted on suitable galvanised metal box complete with Grid plate and cover plate. The mounting of the lamp shall be flush mounted. The job includes required stone cutting on wall, rough plastering (MK model no W26530/equivalent)	20	Nos	1150.00	No	23000.00
8	Guest rooms, Recreation, & Kitchens					
8.1	Supply, installation testing and commissioning of Luminaire K- Lite model no 1607/Equivalent with 1 nos of 28 w T-5 FTL lamp.	36	Nos	1112.00	No	40032.00
8.2	Supply, installation testing and commissioning of Luminaire K- Lite model no 7377/Equivalent with 1 nos of 13 w CFL lamp.	14	Nos	1337.00	No	18718.00
8.3	Supply, installation testing and commissioning of Luminaire K- Lite model no 2609/Equivalent with 2 nos of 11 w CFL lamps.	16	Nos	1427.00	No	22832.00
8.4	Supply and fixing of 48" sweep AC ceiling fan complete with regulator with 1m down rod (stem pipe) including supplying and fixing of fan clamp with side plates and cross arms.	18	Nos	1710.00	No	30780.00
8.5	Supplying and fixing of 12" sweep AC exhaust fan complete including providing necessary opening in the wall.	15	Nos	1512.00	No	22680.00
8.6	supply, installation, testing and commissioning of 20 liter Gaiser.	14	Nos	6000.00	No	84000.00
9	EAPBX, INTERNET & DISH TV					
9.1	Supply and Laying of 4 pair, 0.05 mmsqmm Telephone wire in suitable in PVC conduit of 2mm thick from EAPBX to Reception, Guest rooms, Recreation room, & Kitchen.	380	Mtr	71.00	Mtr	26980.00
9.2	Supply and Laying of 4 pair, CAT-5 cable in suitable in PVC conduit of 2mm thick from Reception to Guest rooms, Recreation room.	300	Mtr	105.00	Mtr	31500.00

Signature of the tenderer with seal

SCHEDULE

Name of the Work: Renovation works to the existing hostel building and construction of additional rooms in first floor at Training Centre, CMWSSB, Kilpauk, Chennai

Contract No. CNT/WSS/GOTN/1994/2010-2011

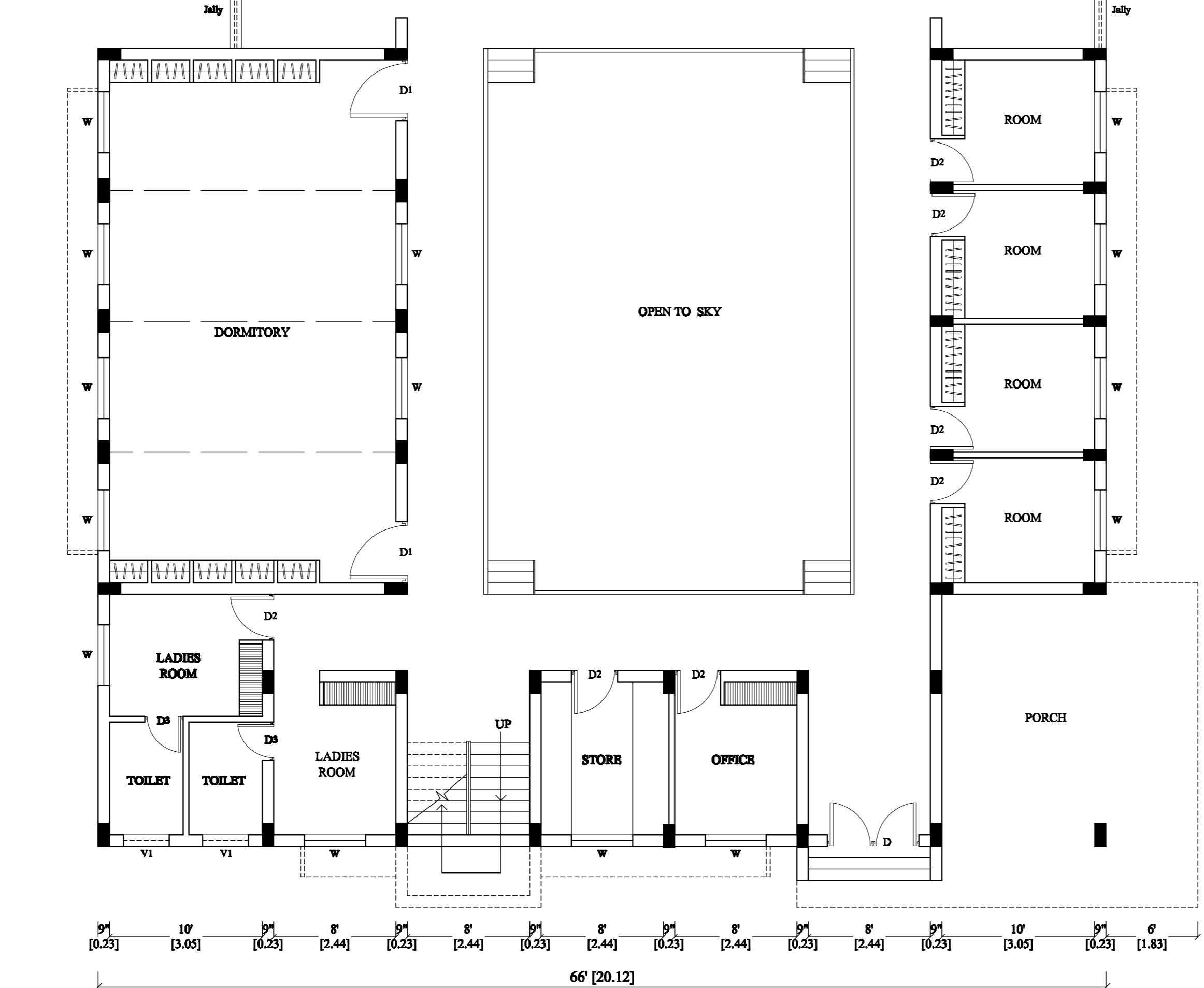
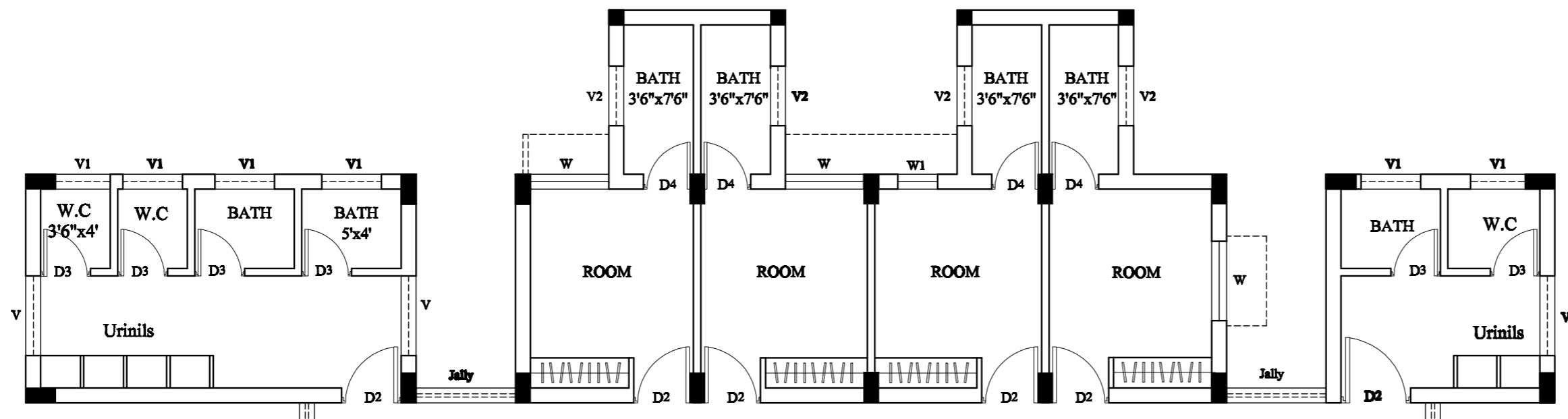
SI No.	Description of works	No.or Qty	Unit	Rate per Unit in Rs. P	unit	Amount in Rs. P
9.3	Supply and Laying of 4 pair, TV Coaxial cable in suitable in PVC conduit of 2mm thick from Reception to Guest rooms, Recreation room.	300	Mtr	100.00	Mtr	30000.00
10	EARTHING					
10.1	Supply and Installation of 2.5Mtr. long 40mm dia GI pipes with holes drilled diametrically opposite to each other once every 150mm in an earth pit of 380mm x 380mm x 3500 mm pit of 380mm x 380mm x 3500 mm filled with salt and charcoal mixed with sand in alternate layers of 150mm each upto a height of 3000mm from bottom. The pipe shall have a provision for watering thro' funnel. It shall also have provision for connecting 50 x 6 mm gi flat on two sides. A masonry structure shall be constructed to a depth of 450mm and a heavy duty ci cover shall be used to cover the pit. The cost of digging and back filling shall also included. LT Panels.	2	Nos	4500.00	No	9000.00
10.2	Supply and installation of 25x3 mm GI flats from Earth pit to body of Control panels.	40	Mtr	70.00	Mtr	2800.00
	Total					1841540.00

Signature of the tenderer with seal

76'-10 $\frac{1}{2}$ " [23.43]

9" 3'-6" 4 $\frac{1}{2}$ " 3'-6" 4 $\frac{1}{2}$ " 5' 4 $\frac{1}{2}$ " 5' 9" 5' 9" 8'-2 $\frac{1}{4}$ " [2.50] 4 $\frac{1}{2}$ " 8'-4 $\frac{1}{2}$ " 4 $\frac{1}{2}$ " 8'-4 $\frac{1}{2}$ " 4 $\frac{1}{2}$ " 8'-4 $\frac{1}{2}$ " 4 $\frac{1}{2}$ " 8'-2 $\frac{1}{2}$ " 9" 5' 9" 5' 4 $\frac{1}{2}$ " 4'-7 $\frac{1}{2}$ " 9"

[0.23] [1.07] [0.11] [1.07] [0.11] [1.52] [0.11] [1.52] [0.23] [1.52] [0.23] [0.11] [2.55] [0.11] [2.55] [0.11] [2.55] [0.11] [2.50] [0.23] [1.52] [0.23] [1.52] [0.11] [1.41] [0.23]



EXISTING GROUND FLOOR PLAN

TITLE
EXISTING HOSTEL BUILDING
GROUND FLOOR PLAN

SCHEDULE OF JOINERY

TYPE	DESCRIPTION	SIZE
D	DOOR	1.80 x 2.10
D1	DOOR	1.20 x 2.10
D2	DOOR	0.90 x 2.10
D3	DOOR	0.75 x 2.10
D4	P.V.C DOOR	0.75 x 2.10
W	WINDOW	1.20 x 1.35
W1	WINDOW	0.60 x 1.35
V	VENTILATOR	1.20 x 0.60
V1	VENTILATOR	0.90 x 0.60
V2	VENTILATOR	0.90 x 0.45
J	R.C.C JALLI	1.50 x 1.35

68'-9" [20.96]

34'-3" [10.44]

9" 5' 9" 8' 4 $\frac{1}{2}$ " 11'-6" 9"

[0.23] [3.05] [0.23] [1.52] [0.23] [2.44] [3.51] [0.23]

9" 10' 9" 8'-2 $\frac{1}{2}$ " 4 $\frac{1}{2}$ " 8'-4 $\frac{1}{2}$ " 4 $\frac{1}{2}$ " 8'-4 $\frac{1}{2}$ " 4 $\frac{1}{2}$ " 8'-4 $\frac{1}{2}$ " 4 $\frac{1}{2}$ " 8'-2 $\frac{1}{2}$ " 9" 20'-6"

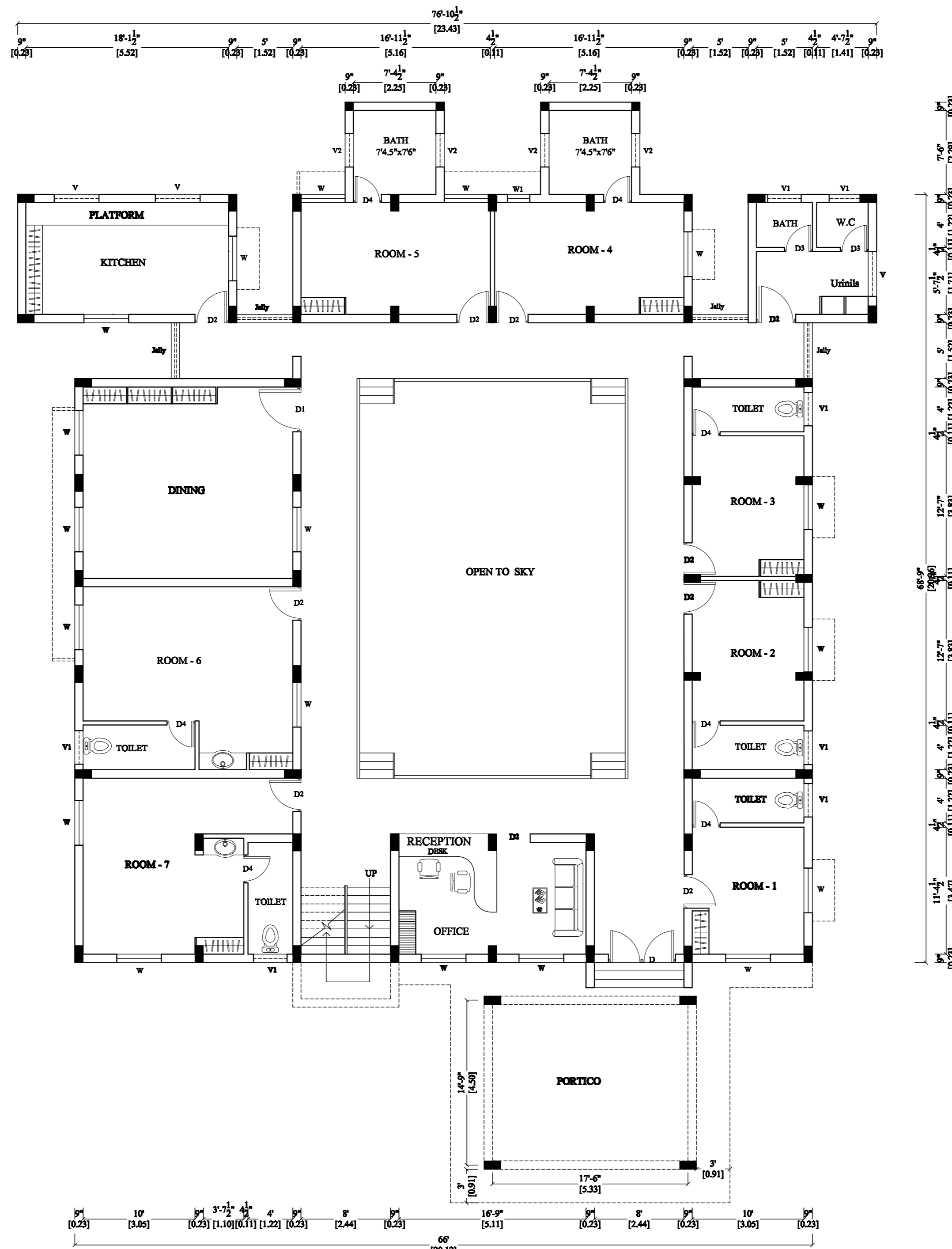
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CHENNAI METROPOLITAN WATER
SUPPLY AND SEWERAGE BOARD

TITLE :-
IMPROVEMENT WORKS TO EXISTING
HOSTEL BUILDING IN TRAINING
CENTRE AT KILPAULK

DRG NO : CMWSSB/TC/HB/001/09-10

SCALE : 1:300



SCHEDULE OF JOINERY		
TYPE	DESCRIPTION	SIZE
D	DOOR	1.80 x 2.10
D1	DOOR	1.20 x 2.10
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D3	DOOR	0.75 x 2.10
D4	P.V.C DOOR	0.75 x 2.10
W	WINDOW	1.20 x 1.35
W1	WINDOW	0.60 x 1.35
V	VENTILATOR	1.20 x 0.60
V1	VENTILATOR	0.90 x 0.60
V2	VENTILATOR	0.90 x 0.45
J	R.C.C JALLI	1.50 x 1.35

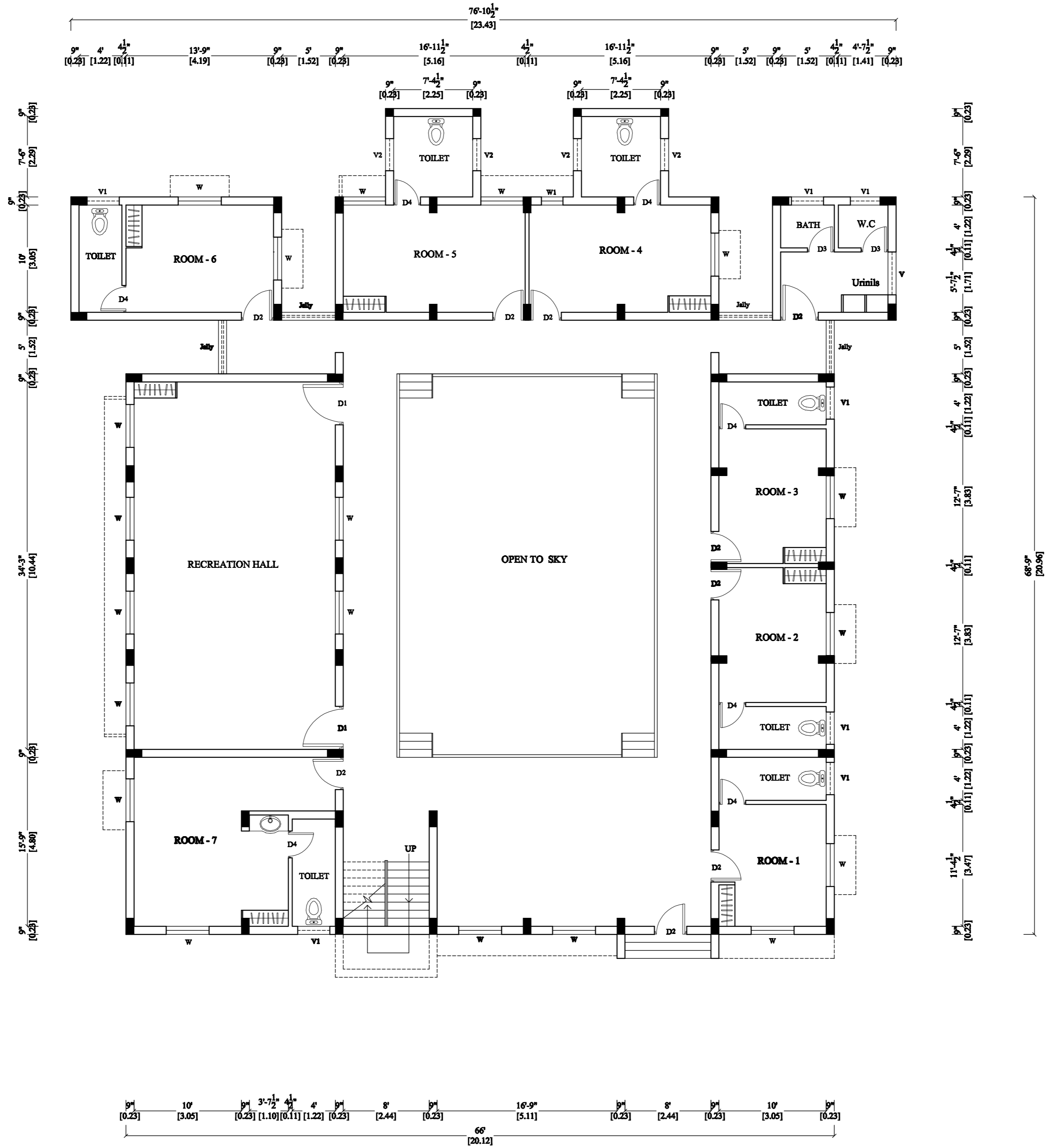
CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD

TITLE :-
IMPROVEMENT WORKS TO EXISTING HOSTEL BUILDING IN TRAINING CENTRE AT KILPAULK

DRG NO : CMWSSB/TC/HB/002/09-10

SCALE : 1:350

MODIFIED GROUND FLOOR PLAN



SCHEDULE OF JOINERY		
TYPE	DESCRIPTION	SIZE
D	DOOR	1.80 x 2.10
D1	DOOR	1.20 x 2.10
D2	DOOR	0.90 x 2.10
D3	DOOR	0.75 x 2.10
D4	P.V.C DOOR	0.75 x 2.10
W	WINDOW	1.20 x 1.35
W1	WINDOW	0.60 x 1.35
V	VENTILATOR	1.20 x 0.60
V1	VENTILATOR	0.90 x 0.60
V2	VENTILATOR	0.90 x 0.45
J	R.C.C JALLI	1.50 x 1.35

CHENNAI METROPOLITAN WATER
SUPPLY AND SEWERAGE BOARD

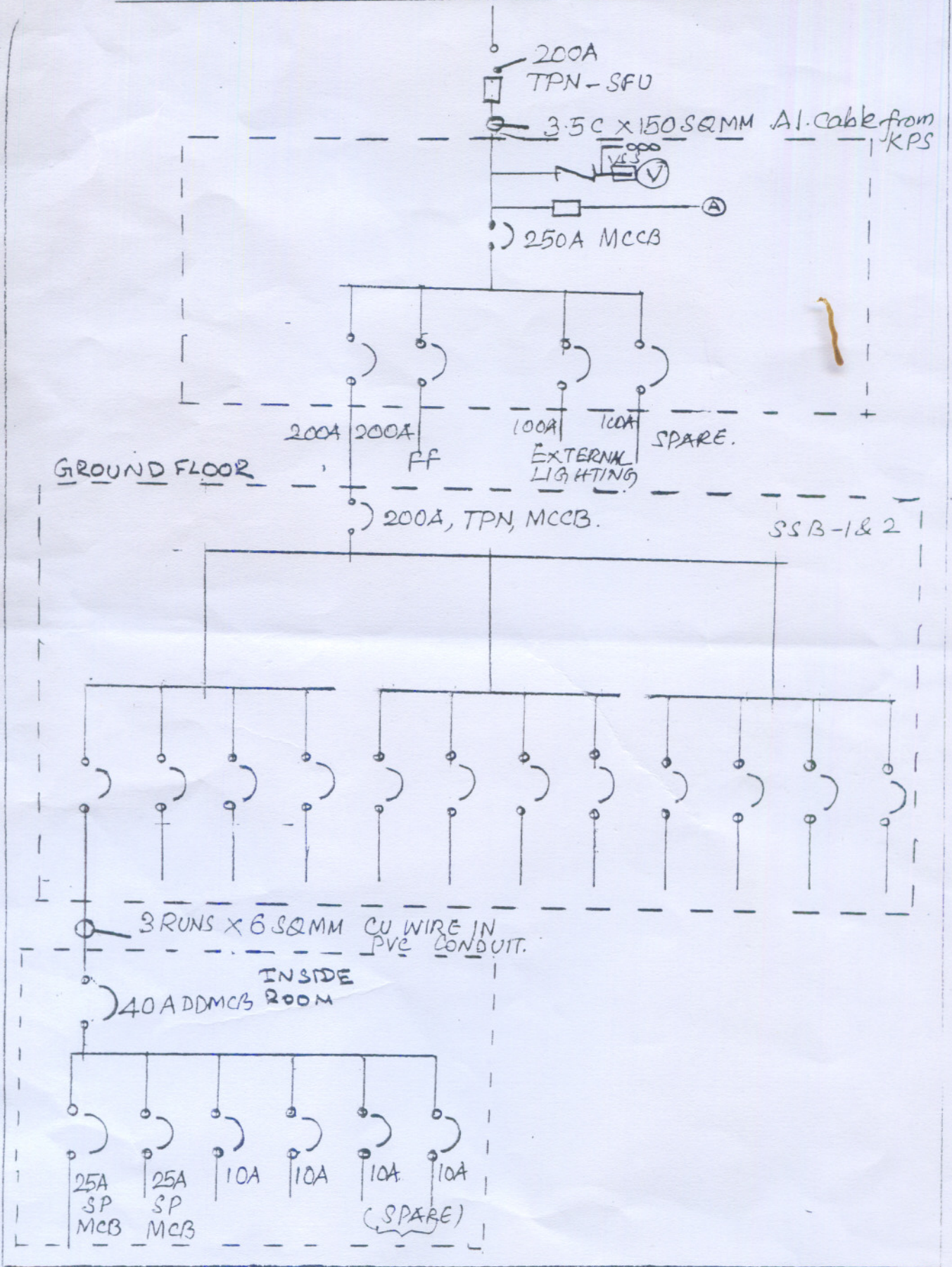
TITLE :-
IMPROVEMENT WORKS TO EXISTING
HOSTEL BUILDING IN TRAINING
CENTRE AT KILPAULK

DRG NO : CMWSSB/TC/HB/003/09-10

SCALE : 1:350

PROPOSED FRIST FLOOR PLAN

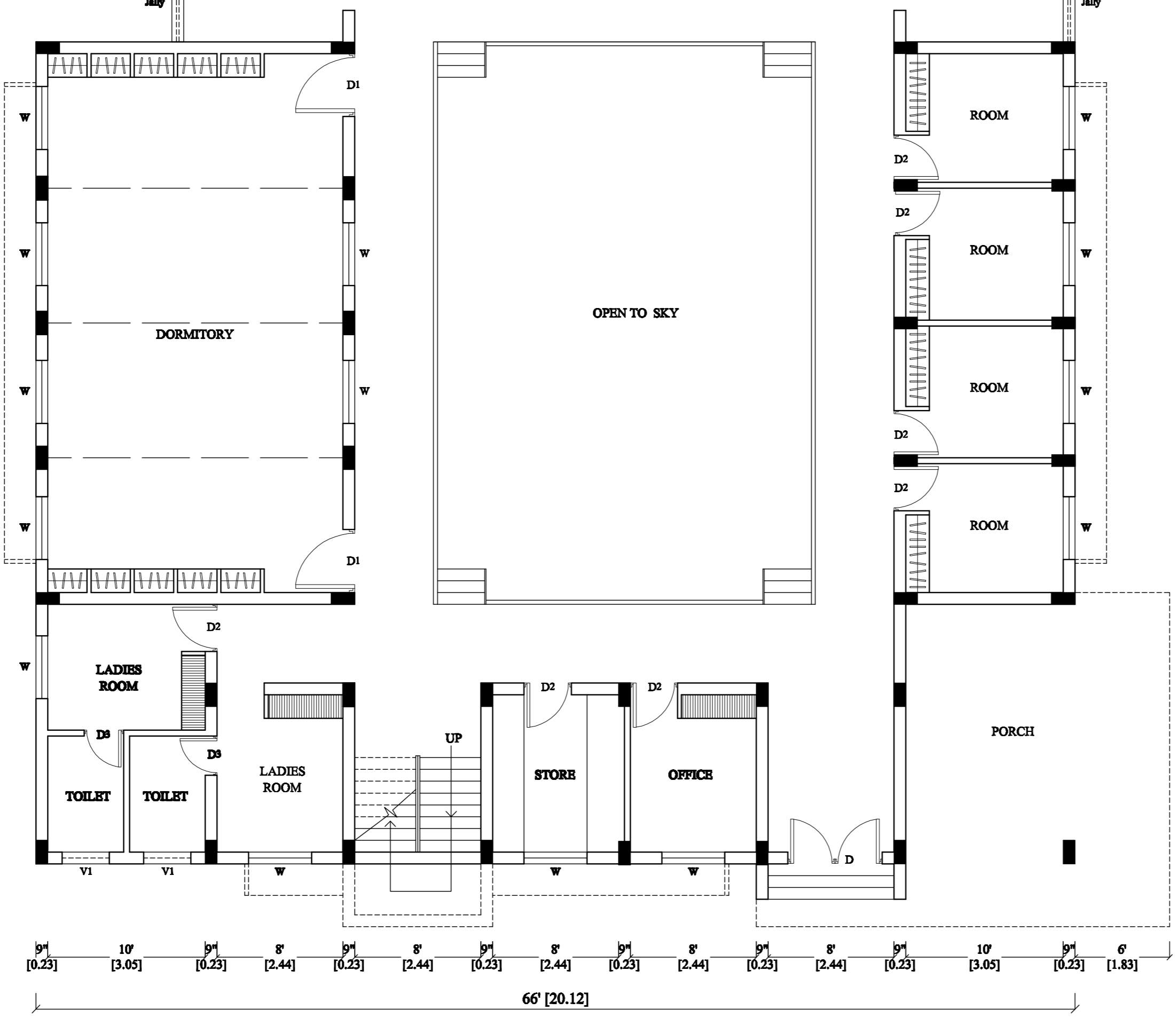
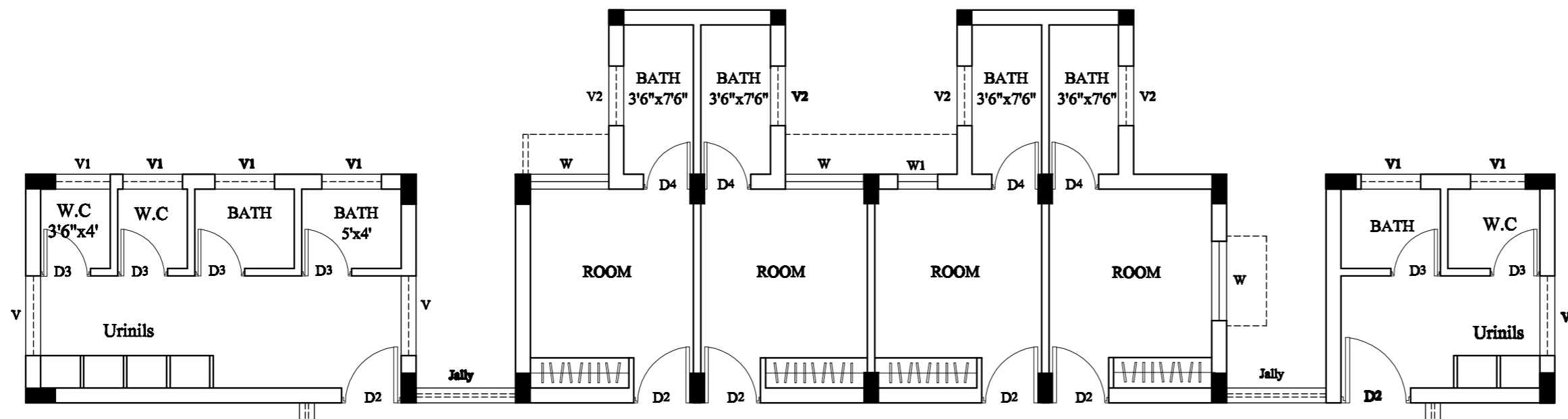
ELECTRICAL WIRING - HOSTEL



76'-10 $\frac{1}{2}$ " [23.43]

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EXISTING GROUND FLOOR PLAN

TITLE
EXISTING HOSTEL BUILDING
GROUND FLOOR PLAN

SCHEDULE OF JOINERY

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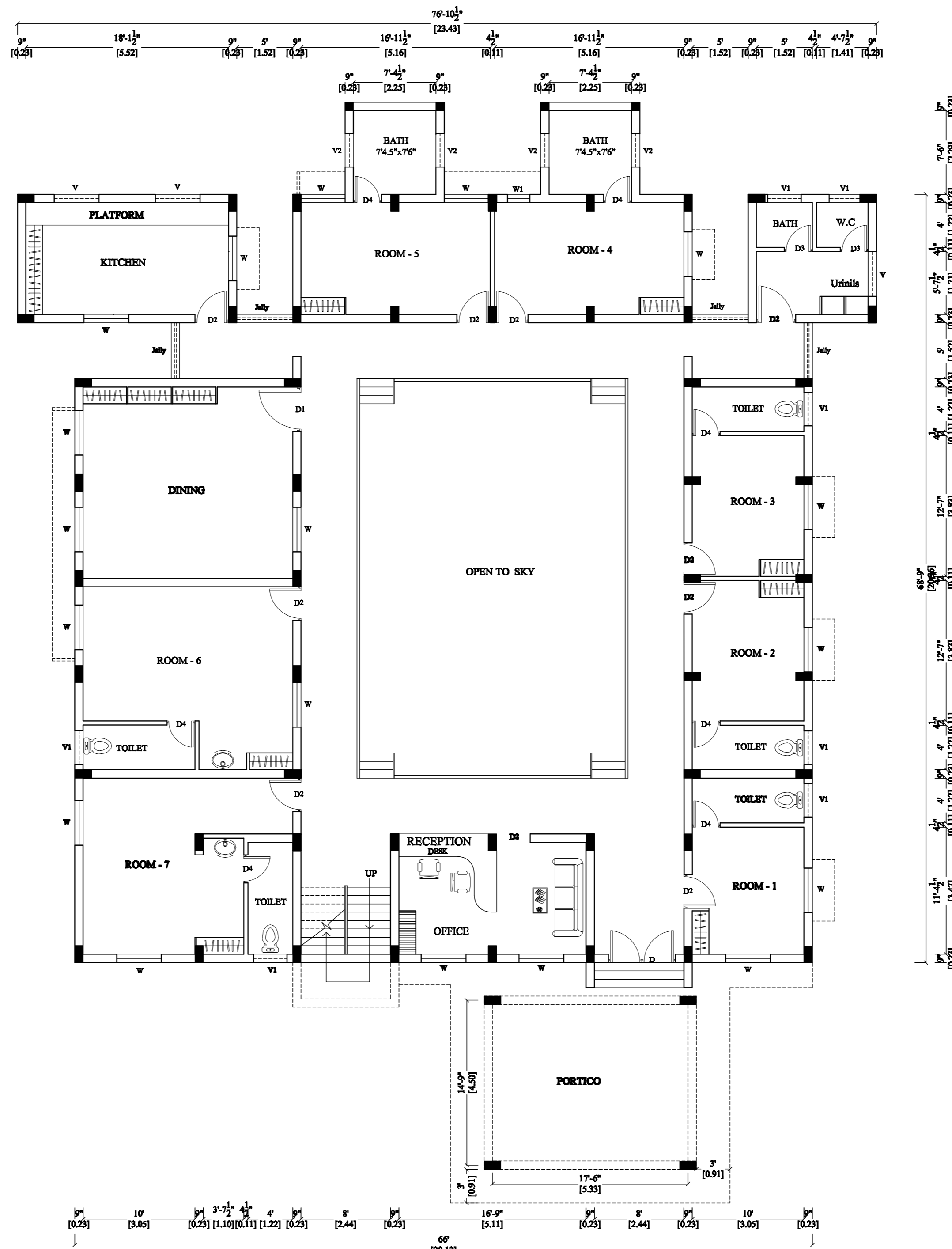
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CHENNAI METROPOLITAN WATER
SUPPLY AND SEWERAGE BOARD

TITLE :-
IMPROVEMENT WORKS TO EXISTING
HOSTEL BUILDING IN TRAINING
CENTRE AT KILPAULK

DRG NO : CMWSSB/TC/HB/001/09-10

SCALE : 1:300



SCHEDULE OF JOINERY		
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D	DOOR	1.80 x 2.10
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W1	WINDOW	0.60 x 1.35
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J	R.C.C JALLI	1.50 x 1.35

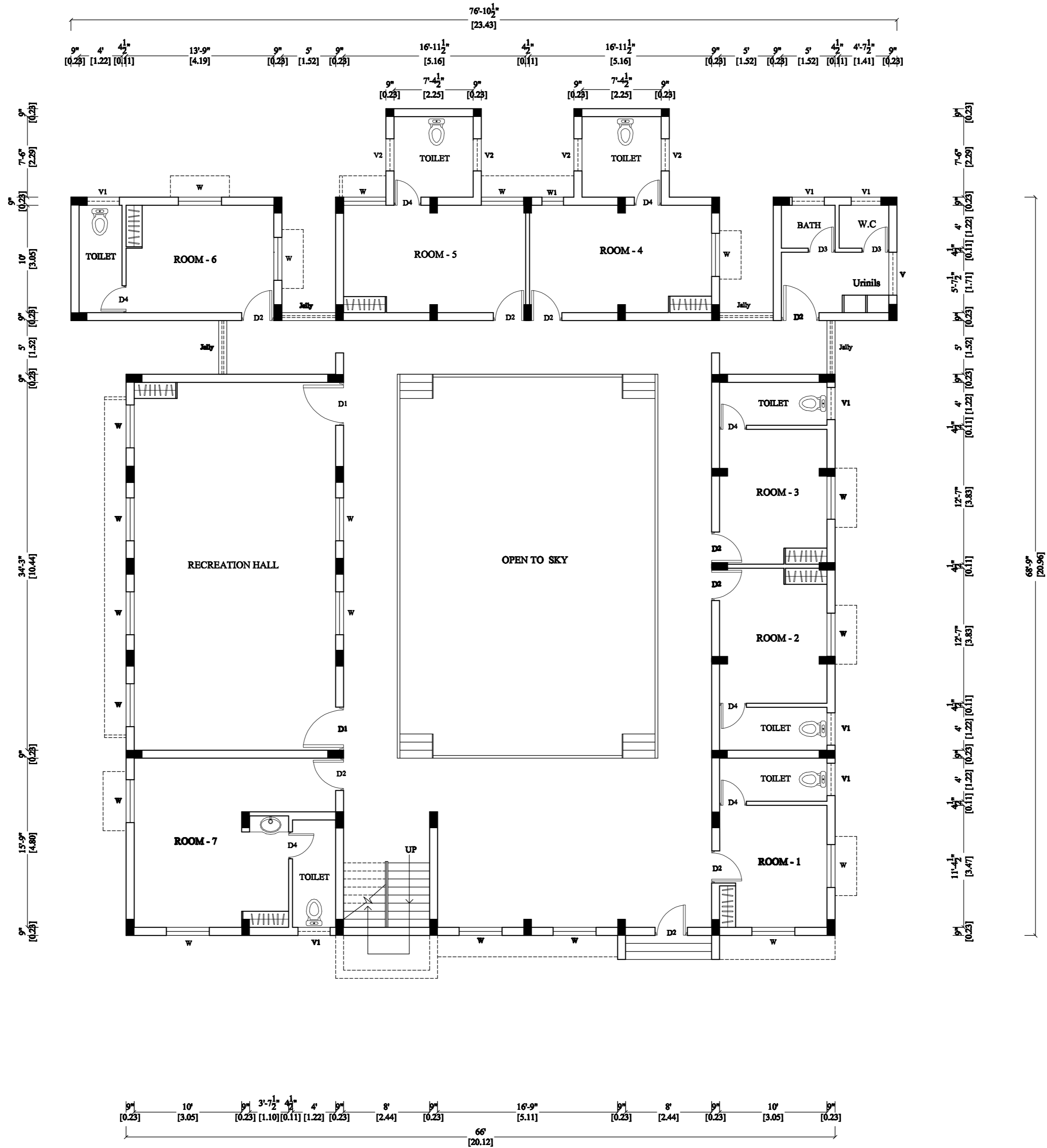
CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD

TITLE :-
IMPROVEMENT WORKS TO EXISTING HOSTEL BUILDING IN TRAINING CENTRE AT KILPAULK

DRG NO : CMWSSB/TC/HB/002/09-10

SCALE : 1:350

MODIFIED GROUND FLOOR PLAN



SCHEDULE OF JOINERY		
TYPE	DESCRIPTION	SIZE
D	DOOR	1.80 x 2.10
D1	DOOR	1.20 x 2.10
D2	DOOR	0.90 x 2.10
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CHENNAI METROPOLITAN WATER
SUPPLY AND SEWERAGE BOARD

TITLE :-
IMPROVEMENT WORKS TO EXISTING
HOSTEL BUILDING IN TRAINING
CENTRE AT KILPAULK

DRG NO : CMWSSB/TC/HB/003/09-10

SCALE : 1:350

PROPOSED FRIST FLOOR PLAN

ELECTRICAL WIRING - HOSTEL

