

INVITATION FOR QUOTATION

Date: 26.08.2024

You are invited to submit your most competitive quotation for the following works: -

Work No.	NAME OF THE WORK	EVC (Rs. In Lakhs approx)
1	Renovation of existing school building - Manjugiri Village, Madakkal GP, Krishnagiri District, Tamil Nadu.	16.83 lakh
2	Renovation of existing school building - Maddakkal Village, Madakkal GP, Krishnagiri District, Tamil Nadu.	18.25 lakh
3	Renovation of existing school building - Gollapalli Village, Madakkal GP, Krishnagiri District, Tamil Nadu.	7.83 lakh

To assist you in the preparation of your quotation, we are enclosing the following:

- a) Layout Drawings of the works.
- b) Detailed Bill of Quantities.
- c) Instructions to Bidders.
- d) Draft Contract Agreement format which will be used for finalizing the agreement for this Contract.

You are requested to provide your offer latest by **31-08-2024 before 5:00** pm.

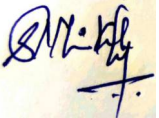
Quotations will be opened in the presence of Bidders or their representatives who choose to attend on 02-09-2024 at 11:00 AM in the office of **BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT, "Kamadhenu", P.B. No. 3, Sharadanagara, Tiptur 572201, Tumkur Dist.**

We look forward to receiving your quotations and thank you for your interest in this project.

For BAIF INTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT



B. Shivarurappa
Regional Director



Instructions to Bidders

1. Scope of Work

**BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT,
Tiptur (EMPLOYER)**

invites quotations for the works as detailed in the table given below.

Work No.	NAME OF THE WORK	EVC (Rs. In Lakhs approx.)
1	Renovation of existing school building- Manjugiri Village, Madakkal GP, Krishnagiri District, Tamil Nadu.	16.83 lakhs
2	Renovation of existing school building - Maddakkal Village, Madakkal GP, Krishnagiri District, Tamil Nadu.	18.25 lakhs
3	Renovation of existing school building - Gollapalli Village, Madakkal GP, Krishnagiri District, Tamil Nadu.	7.83 lakhs

The successful bidder will be expected to complete the works by the intended completion period specified above.

2. Qualification of the bidder:

- a) Financial turnover not less than Rs. 40 Lakhs OR
- b) Satisfactorily completed as prime contractor (or as a sub-contractor duly certified by the employer/main contractor) at least one similar work of value not less than Rs.30 Lakh OR satisfactorily completed as prime contractor (or as a sub-contractor duly certified by the employer/main contractor) at least two similar works of value not less than Rs.15 Lakh.
- c) The following work will be considered as similar - Civil, structural works for RCC Frame Structures and Industrial Sheds. The bidders should produce latest valid GST & Income tax clearance certificate and contractor license valid as on date.

3. Bid Price

- a) The contract shall be for the entire works as described in the Bill of quantities, drawings and technical specifications. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- b) All duties, taxes, and other levies payable by the contractor under the contract shall be included in the total price.
- c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- d) The rates should be quoted in Indian Rupees only.

4. Submission of Quotations

- a) The bidder is advised to visit the site of works at his own expense and obtain all information that may be necessary for preparing the quotation.
- b) Each bidder shall submit only one quotation.
- c) The quotation submitted by the bidder shall comprise of the following:
 1. Quotation in the format given in Annexure I
 2. Signed Bill of Quantities as per Annexure II; and
 3. Audited financial statement and work completion report from the concerned

authorities as proof for items mentioned in clause 2(a) and 2(b).

4. GST & Income tax clearance certificate and contractor license valid as on date

d) Quotations must be received in the office of **BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT, SHARADANAGARA, TIPTUR** not later than the time and date given in the letter of invitation. If the specified date is declared a holiday, quotations shall be received up to the appointed time on the next working day.

e) Any quotation received by **BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT – KARNATAKA, Tiptur**, after the deadline for submission of quotations will be ~~not~~ and returned unopened to the bidder.

5. Validity of Quotation

Quotation shall remain valid for a period not less than 15 days after the deadline date specified for submission.

6. Opening of Quotations

Quotations will be opened in the presence of bidders or their representatives who choose to attend on the date and time and at the place specified in the letter of invitation.

7. Information related to the evaluation of quotations and recommendations for the award of contract shall not be disclosed to bidders or any other persons not officially concerned with the process until the award to the successful bidder is announced.

8. Evaluation of Quotations

The Employer will evaluate and compare the quotations determined to be substantially responsive i.e. which

- a) Meet the qualification criteria specified in clause 2 above.
- b) Are properly signed; and
- c) Conform to the terms and conditions, specifications, and drawings without material deviations.

9. Award of contract

The Employer will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered among the lowest three evaluated quotation prices, who meets the specified qualification criteria, and who agrees comprehensively to all the terms and conditions mentioned in this document and agrees to enter into an agreement as given below. NGST will reserve the rights for the finalization of bidders amongst the lowest three bidders.

- a. The party whose quotation is accepted will be notified of the award of the contract by the Employer prior to the expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
- b. The contract may be given to more than one bidder/s as found suitable if they agree to provide the material at the least price offered.
- c. The contract shall anytime be terminated if the quality of material delivered, the scope of work, and specifications are found not to be satisfactory. The payment for work done till date shall be released in favor of the bidder, only after satisfactory inspection by NGST.
- d. Arrangement of water and electric power and any other machine and equipment (as cranes, excavators, etc.) necessarily required for installation, transportation and

handling, etc. will be in bidders' scope. Bidders are requested to give all such costs included.

- e. The bidder shall submit a work completion report mentioning the amount of work done.

10. Notwithstanding the above, the Employer reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

11. The bidder whose bid is accepted will be notified of the award of contract by the Employer prior to expiration of the quotation validity period.

12. Bid security of unsuccessful bidders will be refunded prior to expiration of the quotation validity period.

13. Performance Security

Within 15 days of receiving letter of acceptance, the successful bidder shall deliver to the **BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT,**

Sharadanagara, Tiptur, the performance security (either a bank guarantee or a bank draft in favour of BAIF INTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT, Sharadanagara, Tiptur – 572201), for an amount equivalent of 2% of the contract price. The Performance Security shall be valid till the expiry of the period of maintenance of the work, specified in clause 14.

14. Period of Maintenance:

The "Period of Maintenance" for the work is **Twelve months** from the date of taking over possession or one full monsoon season whichever occurs later. During the period of maintenance, the contractor will be responsible for rectifying any defects in construction free of cost to the Employer.

15. Purchase of all construction materials including cement and steel as per the specifications (ISI certification marked goods wherever available) shall be the responsibility of the contractor.

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QUOTATION

Annexure I

To:
BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT,
Sharadanagara, Tiptur - 572201

Subject: Quotation for School Infrastructure Development – Krishnagiri District, Tamil Nadu

Reference: Request for quotation dated _____ from BAIF Institute for Sustainable Livelihood Development – Karnataka, Sharada Nagar, Tiptur-572201, Tumkur District,

Sir,

We offer to execute the Works described in your letter referred to above in accordance with the Conditions of Contract enclosed therewith for a total Contract Price of Rs. _____ (as per details of work specifications given in Annexure II attached herewith)

[in figures]

Rs. _____ [in words] including taxes.

This quotation and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any quotation you receive.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

We hereby confirm that this quotation is valid for 45 days as required in Clause 5 of the Instructions to Bidders.

Yours faithfully,

Date: _____

Authorized Signature :

Name & Title of Signatory : _____

Name of Bidder : _____

Address : _____

**LETTER OF ACCEPTANCE (LETTERHEAD OF
THE EMPLOYER) CUM NOTICE TO
PROCEED WITH THE WORK**

Dated: _____

To: _____ [Name and address of the Contractor]

Dear Sirs,

This is to notify you that your Quotation dated _____ for execution of the
_____ for the contract
price of Rupees _____ [Amount
in words and figures], is hereby accepted by us.

You are hereby requested to furnish performance security for an amount of
Rs. _____ (equivalent to 2% of the contract price) within 15 days of the
receipt of the letter. The Performance Security in the form of Bank guarantee or a Bank draft in
favor of.....(Employer) shall be valid till the expiry of
the period of maintenance i.e. up to..... Failure to furnish the
Performance Security will entail cancellation of the award of contract.

You are also requested to sign the agreement form and proceed with the work not later than
_____ under the instructions of the Engineer,
_____ and ensure its completion within the contract period.

With the issuance of this acceptance letter and your furnishing the Performance Security,
contract for the above said work stands concluded.

Yours faithfully,

Authorized Signature
Name and title of Signatory



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(State Office: TAMIL NADU)

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Krishnagiri District - 635118.

E-mail: bisld.tamilnadu@baif.org.in Website: www.bisld.org.in

CIN: U73200PN2012NPL142984

Work – 1: Renovation of existing school building- Manjugiri Village

Annexure - II

Project Name		Renovation of Existing School Infrastructure						
Structure		PUP School						
Village		Manjugiri						
Panchayat		Madakkal						
BOQ Number		Infra - 01						
File Name		Detailed estimate						
S.N.	Description	No.		Length	Breadth	Depth	Qty.	Unit
A	Building painting & art work							
1	Art work: Providing Oil-based Artwork of approved object & colour with two coats enamel painting of approved colour and brand over a coat of primer. Cost including preparation of surface with necessary tools, all labour charges, Transport.							
		2	1	58		3.2	371.2	
	Deduct joineries	-4	1	1.5		1.5	-9	
		-2	1	1.2		1.5	-3.6	
		-2	1	1		2.1	-4.2	
	total						354.4	Sqm
2	School Name board writing: Writing School Name board on a wall in Tamil / English / Kannada / Telugu as per Govt. standards or as guided by the Engineer. Use Asian Apex enamel paints. Provide two coats of enamel paint of approved colour over a coat of base coat primer. Cost including necessary tools, surface preparation, Scaffolding / ladder, working at all levels.	2	1	10		0.9	18	Sqm
3	Exterior painting - APEX: Providing two coats of Exterior Emulsion paint to external plastered surface of approved colour with Asian or equivalent make over a coat of primer specified by the manufacturer and (smooth sanded) to give an even surface etc., including preparation of surface, Tools, scaffolding, etc., complete at all levels, elevations and heights. The surface should be thoroughly prepared and cleaned before painting. The painting must be done as per manufacturer's specification (Ivory 0315 - Above sill level & Wedgewood 0U42 - below sill level)							
	Building 1	1	1	40.92		4.1	167.772	
		1	2	24.2		1.2	58.08	



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	Deduct joineries	-4	1	1.5		1.5	-9	
		-2	1	1.2		1.5	-3.6	
		-2	1	1		2.1	-4.2	
		-1	1	21.4		1.2	-25.68	
							183.372	Sqm
4	Ceiling painting: Providing two coats of Interior Emulsion paint of approved colour to Ceiling surface over a coat of Base coat primer including preparation of surface by thorough cleaning as per manufacturers specification fully to give an even shade. Ceiling - White							
	Building 1	2	1	6.8	6.8		92.48	
		1	1	26	1.4		36.4	
	Total						128.88	Sqm
5	Enamel Painting: Providing two coats of Enamel paint (0U42 Wedgewood) to steel doors & Nickle grey to structural steels over a coat of oil based primer including preparation of surface by thorough cleaning as per manufacturer's specification fully to give an even shade and as directed. (0U42 Wedgewood - Joineries , Nickle Grey - Structural steels)							
	Black board	4	1	26		0.9	93.6	
	Black board	4	1	5		1.2	24	
	Black board	4	1	24		0.9	86.4	
	Black board	4	1	5		1.2	24	
	Joineries							
	Window1	4	2	1.5		1.5	18	
	Window 2	2	2	1.2		1.5	7.2	
	Door	2	2	1		2.1	8.4	
							261.6	Sqm
	Sub total							
B	Drinking water supply							
1	1000 ltr PVC Tank: Supply & fixing of triple layer PVC Tank of approved brand with necessary tank nipples / connectors for inlet, outlet & over flow. Cost including material, Labour charges, Transport, loading & unloading etc.	1	1			1	1.0000	No.
2	Supply & fixing of 1" CPVC pipe with necessary bend, T, Elbow, etc. Cost including material, necessary tools & equipments & all labour charges.							RM
	panchayat line to sump	2	1	6			12.0000	
	Sump to OHT	1	1	18			18.0000	



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	Total						30.0000	
3	Supply & fixing of 3/4" CPVC pipe with necessary bend, T, Elbow, etc. Cost including material, necessary tools & equipments & all labour charges.							RM
	OHT to toilet, handwash	1	1	40			40.0000	
	Total						40.0000	
4	Supply & fixing of SS Taps of Parryware/ any equivalent make.	3	1				3.0000	No.
5	Supply & fixing of 0.5 HP Texmo motor	1	1				1.0000	No.
6	Electrical work for texmo motor	1	1				1.0000	LS
7	Supply & fixing of foot valve for sump motor	1	1				1.0000	LS
8	supply & fixing of 1" CPVC Gate valve of supreme/ any equivalent brand	2	1				2.0000	No.
9	supply & fixing of 3/4" CPVC Gate valve of supreme/ any equivalent brand	2	1				2.0000	No.
10	Earthwork Excavation & back filling in all types of soil upto 1.50m depth by manually and Stacking / Carting of Excavated Soil within the Lead of 0 to 100m. Rate includes Manual Dressing / Trimming after Excavation, Removal of loose Earth inside the Pit, Dewatering, Slush Removal, necessary Shoring / Strutting, back filling etc as directed by the Engineer-In-Charge							Cum
	pipe lines	1	1	30	0.3	0.3	2.7000	
	Total						2.7000	
	Sub total							
C	Paver block platform							
1	Earthwork Excavation in all types of soil upto 1.50m depth by manually and Stacking / Carting of Excavated Soil within the Lead of 0 to 100m. Rate includes Manual Dressing / Trimming after Excavation, Removal of loose Earth inside the Pit, Dewatering, Slush Removal, necessary Shoring / Strutting etc as directed by the Engineer-In-Charge	1	2	20	0.3	0.3	3.6000	
		1	1	15	0.3	0.3	1.3500	
							4.9500	Cum



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2	Providing and laying required thickness of controlled plain concrete of PCC 1:4:8 grade using 20 mm and down size coarse graded hard stone aggregate for levelling course in foundation at any mass concrete and other similar works at all levels and heights, elevations, mechanical mixing, transporting and placing at all lifts, compacting, levelling, curing, dewatering wherever necessary, the cost of all materials, labour, leads and lifts, tools and plant, machineries etc., complete as per specifications.	1	2	20	0.23	0.1	0.9200	
		1	1	15	0.23	0.1	0.3450	
							1.27	Cum
3	Brickwork 230mm and above with FPS Bricks of class designation 35(class B) in cement mortar 1:6, staging, raking of joints, curing of bricks before & after etc, complete in all respect and at all heights for foundation, including Material and Labour cost .	1	2	20	0.12	0.35	1.6800	
		1	1	15	0.12	0.35	0.6300	
							2.31	Cum
4	Interior Plastering: Plastering the interior surface of Brick work with CM 1:4, 12 mm thick and steel trowel finish to inside with neat cement rendering including racking joints, hacking preparation of surface, scaffolding, forming grooves wherever necessary curing etc., complete at all levels, elevations and heights. The rate includes for provision of chicken mesh wherever necessary at junctions of RCC column beams etc., and lapping of the mesh should not be less than 75 mm etc., all complete.	1	2	20		0.46	18.4000	
		1	1	15		0.46	6.9000	
							25.30	Sqm
6	Providing sand filling (M-Sand) for basement of Paverblock works with necessary compaction and laying. Cost including material, Transport, all lead & lift, Water for compaction, Levelling, etc.	1	1	20	5	0.1	2.0000	
		1	1	15	5	0.1	1.5000	
							3.5000	Cum
7	Supply & fixing of 60mm thick paverblock of approved shape & colour with proper compaction through Earth rammer. Cost including transport, Loading/unloading,	1	1	20	5		100	



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2	Providing sand filling (M-Sand) for basement/ Concrete works with necessary compaction and laying. Cost including material, Transport, all lead & lift, Water for compaction , Levelling, etc.						3.5000	Cum
	Long wall	2	1	7.7	0.6	0.1	0.9240	
	Short wall	5	1	1.55	0.6	0.1	0.4650	
	Floor	1	1	6.8	1.8	0.15	1.8360	
	Total						3.2250	Cum
3	Providing and laying required thickness of controlled plain concrete of PCC 1:4:8 grade using 20 mm and down size coarse graded hard stone aggregate for levelling course in foundation at any mass concrete and other similar works at all levels and heights, elevations, mechanical mixing, transporting and placing at all lifts, compacting, levelling, curing, dewatering wherever necessary, the cost of all materials, labour, leads and lifts, tools and plant, machineries etc., complete as per specifications.						3.4000	Cum
	Long wall	2	1	7.7	0.6	0.1	0.9240	
	Short wall	5	1	1.55	0.6	0.1	0.4650	
	Floor	1	1	6.8	1.8	0.15	1.8360	
		1	1	0.9	0.8	0.15	0.1080	
	Total						3.3330	
4	RR Masonry: Providing & laying of RR masonry using size stones with necessary bond stones in CM 1:6. Cost including material, Transport, Loading & unloading, laying, CM & curing etc. complete						14.0000	Cum
	Long wall	2	1	7.7	0.45	1.2	8.3160	
	Short wall	2	1	1.8	0.45	1.2	1.9440	
	Partition wall	3	1	1.8	0.45	1.2	2.9160	
		1	1	2	0.45	0.6	0.5400	
	Total						13.7160	



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5	RCC 1:2:4 Providing and laying of machine mixed Reinforced Cement Concrete of Mix ratio 1:2:4 with minimum cement content of 323 Kg/Cum. Use OPC 53 Grade cement of Ultratech/JSW/ Zuari/Dalmia. Use 20mm HBG coarse aggregate, M-Sand for concrete. The cost includes labours, Materials, Mixer machine, Vibrator for compaction, finishing, Curing, all lead & lift and all necessary tools. Complete all as per instructions of the Engineer.						1.9000	Cum
	Slab	1	1	2.5	2.85	0.1	0.7125	
	Long wall	2	1	7.7	0.45	0.1	0.6930	
	Short wall	2	1	1.8	0.45	0.1	0.1620	
	Partition wall	3	1	2	0.45	0.1	0.2700	
	Total						1.8375	
6	Reinforcement work: Supplying, fabricating and fixing in position MS bars conforming to IS-432/ High yield strength deformed bars conforming to IS-1786 of Fe 500 Grade of all dia for reinforcement in all RCC in situ works including flooring and precast works at all levels and heights above finished floor level etc., including cost of straightening, cutting, bending to shape fabricating and tying with 18 gauge GI binding wire, providing and fixing PVC cover blocks, dewatering wherever necessary etc., all complete as per drawings and specifications and as directed by the Engineer. The rate to include cost of spacer bar, chairs, binding wire, PVC cover blocks, all cuts and wastes which will not be measured. Only laid weight will be measured including authorized laps. Cuts and wastes will not be measured for payment.						210.0000	Kg
	12 mm - Slab	1	1	2.5	2.85	15	106.8750	
	Beam	1	1	24.4		4	97.6000	
	Total						204.4750	
7	Brickwork 230mm and above with FPS Bricks of class designation 35 (class B) in cement mortar 1:6, staging, raking of joints, curing of bricks before & after etc, complete in all respect and at all heights for foundation, including Material and Labour cost .						13.0000	Cum
	Long wall	2	1	7.5	0.23	2	6.9000	
	Short wall	2	1	2	0.23	2		



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							1.8400	
	Short wall	3	1	2	0.15	2	1.8000	
	Partition wall	2	1	2.4	0.115	1.4	0.7728	
	urinal	2	1	2	0.6	0.115	0.2760	
	Boys urinal	1	1	2	0.115	0.23	0.0529	
	Steps	1	1	3.1	0.23	0.23	0.1640	
	Steps	1	1	3.1	0.23	0.4	0.2852	
	Steps	1	1	0.9	0.23	0.4	0.0828	
	Steps	1	1	1.1	0.3	0.23	0.0759	
	Steps	1	1	1.68	0.115	0.2	0.0386	
	Steps	1	1	1.68	0.3	0.115	0.0580	
	Hand wash	2	1	0.5	0.115	0.55	0.0633	
	Hand wash	1	1	1.7	0.95	0.2	0.3230	
	Hand wash	1	1	1.8	0.115	0.115	0.0238	
	Total						12.7562	
8	Exterior Plastering: Two coats of plaster for surfaces with base coat having the following Mix & thickness adding with water proofing compound and finishing with base coat of 10 mm thick in C.M 1:4 with water proofing compound (mixing ratio 1:50,1kg water proofing compound:50 Kg cement)and finishing coat of 10 mm thick in C.M 1:3 after roughening the surface of first coat in green condition with wire brush and clearing of loose particles with sponge finish (washed sand finish) all complete as per specification and as directed. Rate shall include for scaffolding, formwork as necessary and curing etc., complete.						126.0000	Sqm
	Long wall	2	1	7.5		2.1	31.5000	
	long wall inner	2	1	6.25		2.1	26.2500	
	Short wall outer	2	1	2.5		2.1	10.5000	
	Short wall inner	8	1	2		2.1		



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							33.6000	
	Partition wall	2	1	2.4		1.4	6.7200	
	Steps	1	1	3.2		0.5	1.6000	
	Steps	2	1	3.2		0.15	0.9600	
	Steps	1	1	0.9		0.8	0.7200	
	Steps	1	1	0.3		1.1	0.3300	
	foundation	1	1	23		0.2	4.6000	
	Roof	1	1	2.85	2.5		7.1250	
	Wall top	1	1	23	0.23		5.2900	
	Deductions							
	Door	-2	2	0.25		1.88	(1.8800)	
		-2	2	0.25		1.65	(1.6500)	
	Total						125.6650	
9	Ceiling Plastering: Plastering the under sides of slab and all other RCC surfaces with CM 1:3, 12 mm thick including hacking, preparation of surface, scaffolding, forming grooves wherever necessary, neat finishing, curing etc., complete at all levels, elevations and heights.	2	1	1.1	2		4.4000	Sqm
10	Exterior painting - APEX: Providing two coats of Exterior Emulsion paint to external plastered surface of approved colour with Asian or equivalent make over a coat of primer specified by the manufacturer and (smooth sanded) to give an even surface etc., including preparation of surface, Tools, scaffolding, etc., complete at all levels, elevations and heights. The surface should be thoroughly prepared and cleaned before painting. The painting must be done as per manufacturer's specification (Ivory 0315 - Above sill level & Wedgewood 0U42 - below sill level)						90.0000	Sqm
	Long wall	2	1	7.5		1.88	28.2000	
	long wall inner	2	1	6.25		0.95	11.8750	
	Short wall outer	2	1	2.5		1.88	9.4000	
	Short wall inner	2	1	2		0.95	3.8000	



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	Short wall inner	6	1	2.4		0.9	12.9600	
	Partition wall	2	1	3.2		1.2	7.6800	
	foundation	1	1	23		0.15	3.4500	
	Wall top	1	1	23	0.23		5.2900	
	Deductions							
	Door	-2	1	0.25		1.88	(0.9400)	
	Door	-2	1	0.25		0.9	(0.4500)	
	Door	-2	1	0.25		1.88	(0.9400)	
	Door	-2	1	0.25		0.9	(0.4500)	
	Total						79.8750	
11	Providing two coat of Interior primer paint to ceiling as per the specification mentioned by the manufacturer. Cost including surface preparation, Formwork, necessary tools & equipments, etc.	2	1	1.1	2.2		5.0000	Sqm
12	Plumbing & sanitary work							
	Supply & fixing of 3/4" CPVC Concealed pipe line with necessary bend, T, Elbow, etc. Cost including all material, necessary tools & equipments & all labour charges, Groove cutting for pipe line & refilling with CM 1:4.	1	1	6			6.0000	Rm
	Supply & fixing of 4" PVC pipe with necessary bend, T, Elbow, etc. Cost including material, necessary tools & equipments & all labour charges.	1	1	6			6.0000	Rm
	Supply & fixing of IWC of Parryware brand with necessary bend, U-trap. Cost including all material, labour, Excavation / breaking, Transport, loading & unloading and finishing the surface with Cement Mortar, etc., complete	2	1				2.0000	No.
	Supply & fixing of Urinal of Parryware brand / equivalent with necessary fittings. Cost including all material, labour, Transport, loading & unloading and finishing the surface with Cement Mortar, etc., complete	3	1				3.0000	No.
	SS Tap - Parryware supply & fixing	6	1				6.0000	No.
	SS Grating with u trap - supply & fixing	4	1				4.0000	No.



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13	Structural Steel work: Supply, Fabrication and erection of structural steels / metal door with one coat primer and two coat enamel painting as per design including labour charges, welding, cutting, grinding and other fittings, etc. The Cost including material transport, all lead and lift, form work & fixing at all levels. complete all as directed by the engineer in charge							
	Doors 4 No. 0.75 x 1.85 m						180.000	
	Total						180.000	kg
14	Floor Tile work: Providing Floor Tiles with best quality EURO or approved equivalent make as mentioned in the approved list, Non-slippery Vitrified tiles of size 300 x 300 mm - 10mm thick set in CM 1:4, 20 mm thick with 2mm / 3mm spacer and pointing the joints with 'Roff Tile' filler compound as per Manufacturer's Specification and as directed. Rate shall include for preparation of base surface, and finished the surface, cleaning the surface, and protecting and with Gypsum / POP layer over Plastic sheet and removing the same before handing over, work at all levels etc. complete. Basic price of tiles is Rs. 40 per sq. ft.						28	Sqm
	Toilet floor	1	1	7.5	2		15.0000	
	Existing Toilet Floor	1	1	4	3		12.0000	
	Total						27.0000	
15	Wall Tile work: Providing Wall Tiles with best quality EURO or approved equivalent make as mentioned in the approved list, Non-slippery Vitrified tiles of size 300 x 200 mm - 10mm thick set in CM 1:4, 20 mm thick with 2mm / 3mm spacer and pointing the joints with 'Roff Tile' filler compound as per Manufacturer's Specification and as directed. Rate shall include for preparation of base surface, and finished the surface, cleaning the surface, and protecting and with Gypsum / POP layer over Plastic sheet and removing the same before handing over, work at all levels etc. complete. Basic price of tiles is Rs 40 per SQ.FT						40	Sqm
	Toilet Construction	1	1	28.6		0.9	25.7400	
	Existing Toilet Wall	1	1	15		0.9	13.5000	
	Total						39.2400	



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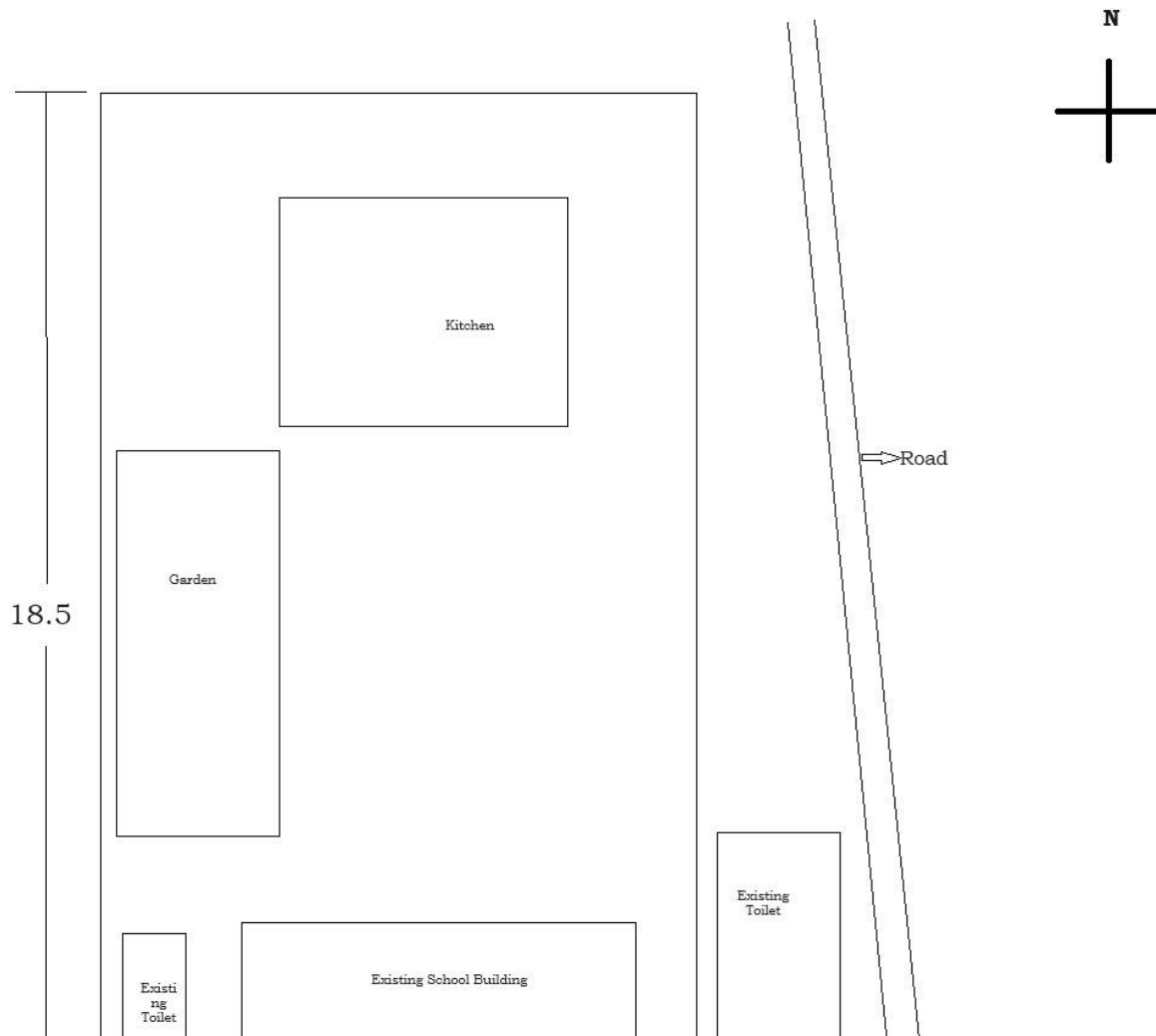
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Manjugiri School Layout Plan



Work – 2: Renovation of existing school Infrastructure – Madakkal Village

Project Name		Renovation of Existing School Infrastructure						
Structure		PUP School						
Village		Madakkal						
Panchayat		Madakkal						
BOQ Number		Infra - 02						
File Name		Detailed estimate						
SN	Description	No.		Length	Breadth	Depth	Qty.	Unit
A	Roof leakage arrest work							
1	Labour charges for dismantling & disposal of existing damaged weathering coarse. Cost including all labour, tools, lead & lift, tractor charges, loading & unloading, working at all levels etc.	1	1	1.5	2		3	Sqm
2	Concrete Terrace Water proofing: Providing Two coats of Dr. Fixit Pidipin 2K paint over terrace concrete & Provide two coat of New coat (Dr. Fixit) over a base coat primer. Concrete Surface to be cleaned with Hi pressure water wash with necessary cracks sealent application. Cracks should be filled with Sealent/ URP/ 41G to the size of 5mm x 10mm with necessary groove cutting & cleaning. Parapet wall side corner to be angle plastered (3") with CM 1:3 (30% pidigrout + 70% water admixture). Application process & mixing ratio of Sealent, Dr. Fixit Pidipin 2K are as per the manufactures specification to claim warranty. Cost including necessary tools, Surface preparation, water, application at all levels, transport, all labour charges, lead & lift, loading & unloading.	1	1	1.5	2		3	Sqm
3	Supply and providing granolithic flooring 50 mm thick (average) Cement concrete 1: 2:4 using 6 mm and downgraded HBG stone jelly including finishing the top surface to the required level and smoothness including material and Labour Cost.	1	1	5	5		25	Sqm
4	Exterior Plastering: Two coats of plaster for surfaces with base coat having the following Mix & thickness adding with water proofing compound and finishing with base coat of 10 mm thick in C.M 1:4 with water proofing compound (mixing ratio 1:50,1kg water proofing compound:50 Kg cement)and finishing coat of 10 mm thick in C.M 1:3 after roughening the surface of first coat in green condition with wire brush and clearing of loose particles with sponge finish (washed sand finish) all complete as per specification and as directed. Rate shall include for scaffolding,	1	1	1.5	0.75		1.125	Sqm



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	formwork as necessary and curing etc., complete.							
5	4" PVC Rain water Pipe supply & laying with fittings	4	1	12			48	Rft
	Sub total							
B	Flooring							
1	Labour charges for dismantling & disposal of existing damaged floor to the depth of 125mm. Cost including all labour, tools, lead & lift, tractor charges, loading & unloading etc.	1	1	6.8	6.8		46.24	Sqm
		1	1	14.6	1.6		23.36	Sqm
2	Providing and laying required thickness of controlled plain concrete of PCC 1:4:8 grade using 20 mm and down size coarse graded hard stone aggregate for levelling course in foundation at any mass concrete and other similar works at all levels and heights, elevations, mechanical mixing, transporting and placing at all lifts, compacting, levelling, curing, dewatering wherever necessary, the cost of all materials, labour, leads and lifts, tools and plant, machineries etc., complete as per specifications.	1	1	6.7	6.3	0.1	4.221	Cum
		1	1	14.6	1.6	0.1	2.336	Cum
3	Floor Tile work: Providing Floor Tiles with best quality EURO or approved equivalent make as mentioned in the approved list, on slippery Vertified tiles of size 600 x 600 mm - 10mm thick set in CM 1:4, 20 mm thick with 2mm / 3mm spacer and pointing the joints with 'Roff Tile' filler compound as per Manufacturer's Specification and as directed. Rate shall include for preparation of base surface, and finished the surface, cleaning the surface, and protecting and with Gypsum / POP layer over Plastic sheet and removing the same before handing over, work at all levels etc. complete. Basic price of tiles is Rs 60 per SQ.FT	1	1	7	6.6		46.2	Sqm
	Vertified Tiles for Verandah	1	1	14.6	1.6		23.36	Sqm
	Skirting Tiles including verandah	1	1	38.5		0.1	3.85	Sqm
							73.41	



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	Sub total							
C	Toilet Construction			7.5	2.5	2.1		
1	Demolition of Existing Toilet (12.2*1.8) including use of vibrator, machinery tools, and vehicles used for demolition and transportation of lead debris 0 to 100km, loading, unloading, cleaning labor, etc...	1	1	4.4	2.5		11.0000	
		1	1	6	2		12.0000	
							23.0000	Sqm
1	Earthwork Excavation in all types of soil upto 1.50m depth by manually and Stacking / Carting of Excavated Soil within the Lead of 0 to 100m. Rate includes Manual Dressing / Trimming after Excavation, Removal of loose Earth inside the Pit, Dewatering, Slush Removal, necessary Shoring / Strutting etc as directed by the Engineer-In-Charge						18.0000	Cum
	Long wall	2	1	7.7	0.6	1	9.2400	
	Short wall	5	1	1.55	0.6	1	4.6500	
	Soak pit	2	1	1.2	1.2	1.4	4.0320	
	Total						17.9220	
2	Providing sand filling (M-Sand) for basement/ Concrete works with necessary compaction and laying. Cost including material, Transport, all lead & lift, Water for compaction , Levelling, etc.						3.5000	Cum
	Long wall	2	1	7.7	0.6	0.1	0.9240	
	Short wall	5	1	1.55	0.6	0.1	0.4650	
	Floor	1	1	6.8	1.8	0.15	1.8360	
	Total						3.2250	Cum
3	Providing and laying required thickness of controlled plain concrete of PCC 1:4:8 grade using 20 mm and down size coarse graded hard stone aggregate for levelling course in foundation at any mass concrete and other similar works at all levels and heights, elevations, mechanical mixing, transporting and placing at all lifts, compacting, levelling, curing, dewatering wherever necessary, the cost of all materials, labour, leads						3.4000	Cum



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	and lifts, tools and plant, machineries etc., complete as per specifications.							
	Long wall	2	1	7.7	0.6	0.1	0.9240	
	Short wall	5	1	1.55	0.6	0.1	0.4650	
	Floor	1	1	6.8	1.8	0.15	1.8360	
		1	1	0.9	0.8	0.15	0.1080	
	Total						3.3330	
4	RR Masonry: Providing & laying of RR masonry using size stones with necessary bond stones in CM 1:6. Cost including material, Transport, Loading & unloading, laying, CM & curing etc. complete						14.0000	Cum
	Long wall	2	1	7.7	0.45	1.2	8.3160	
	Short wall	2	1	1.8	0.45	1.2	1.9440	
	Partition wall	3	1	1.8	0.45	1.2	2.9160	
		1	1	2	0.45	0.6	0.5400	
	Total						13.7160	
5	RCC 1:2:4 Providing and laying of machine mixed Reinforced Cement Concrete of Mix ratio 1:2:4 with minimum cement content of 323 Kg/Cum. Use OPC 53 Grade cement of Ultratech/JSW/ Zuari/Dalmia. Use 20mm HBG coarse aggregate , M-Sand for concrete. The cost includes labours, Materials, Mixer machine, Vibrator for compaction, finishing, Curing, all lead & lift and all necessary tools. Complete all as per Engineer instructions.						1.9000	Cum
	Slab	1	1	2.5	2.85	0.1	0.7125	
	Long wall	2	1	7.7	0.45	0.1	0.6930	
	Short wall	2	1	1.8	0.45	0.1	0.1620	
	Partition wall	3	1	2	0.45	0.1	0.2700	



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	Total						1.8375	
6	Reinforcement work: Supplying, fabricating and fixing in position MS bars conforming to IS-432/ High yield strength deformed bars conforming to IS-1786 of Fe 500 Grade of all dia for reinforcement in all RCC in situ works including flooring and precast works at all levels and heights above finished floor level etc., including cost of straightening, cutting, bending to shape fabricating and tying with 18 gauge GI binding wire, providing and fixing PVC cover blocks, dewatering wherever necessary etc., all complete as per drawings and specifications and as directed by the Engineer. The rate to include cost of spacer bar, chairs, binding wire, PVC cover blocks, all cuts and wastes which will not be measured. Only laid weight will be measured including authorized laps. Cuts and wastes will not be measured for payment.						210.0000	Kg
	12 mm - Slab	1	1	2.5	2.85	15	106.8750	
	Beam	1	1	24.4		4	97.6000	
	Total						204.4750	
7	Brickwork 230mm and above with FPS Bricks of class designation 35(class B) in cement mortar 1:6, staging, raking of joints, curing of bricks before & after etc, complete in all respect and at all heights for foundation, including Material and Labour cost.						13.0000	Cum
	Long wall	2	1	7.5	0.23	2	6.9000	
	Short wall	2	1	2	0.23	2	1.8400	
	Short wall	3	1	2	0.15	2	1.8000	
	Partition wall	2	1	2.4	0.115	1.4	0.7728	
	urinal	2	1	2	0.6	0.115	0.2760	
	Boys urinal	1	1	2	0.115	0.23	0.0529	
	Steps	1	1	3.1	0.23	0.23	0.1640	
	Steps	1	1	3.1	0.23	0.4	0.2852	
	Steps	1	1	0.9	0.23	0.4	0.0828	



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	Steps	1	1	1.1	0.3	0.23	0.0759	
	Steps	1	1	1.68	0.115	0.2	0.0386	
	Steps	1	1	1.68	0.3	0.115	0.0580	
	Hand wash	2	1	0.5	0.115	0.55	0.0633	
	Hand wash	1	1	1.7	0.95	0.2	0.3230	
	Hand wash	1	1	1.8	0.115	0.115	0.0238	
	Total						12.7562	
8	Exterior Plastering: Two coats of plaster for surfaces with base coat having the following Mix & thickness adding with water proofing compound and finishing with base coat of 10 mm thick in C.M 1:4 with water proofing compound (mixing ratio 1:50,1kg water proofing compound:50 Kg cement)and finishing coat of 10 mm thick in C.M 1:3 after roughening the surface of first coat in green condition with wire brush and clearing of loose particles with sponge finish (washed sand finish) all complete as per specification and as directed. Rate shall include for scaffolding, formwork as necessary and curing etc., complete.						126.0000	Sqm
	Long wall	2	1	7.5		2.1	31.5000	
	long wall inner	2	1	6.25		2.1	26.2500	
	Short wall outer	2	1	2.5		2.1	10.5000	
	Short wall inner	8	1	2		2.1	33.6000	
	Partition wall	2	1	2.4		1.4	6.7200	
	Steps	1	1	3.2		0.5	1.6000	
	Steps	2	1	3.2		0.15	0.9600	
	Steps	1	1	0.9		0.8	0.7200	
	Steps	1	1	0.3		1.1	0.3300	
	foundation	1	1	23		0.2	4.6000	
	Roof	1	1	2.85	2.5		7.1250	
	Wall top	1	1	23	0.23		5.2900	



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	Deductions							
	Door	-2	2	0.25		1.88	(1.8800)	
		-2	2	0.25		1.65	(1.6500)	
	Total						125.6650	
9	Ceiling Plastering: Plastering the under sides of slab and all other RCC surfaces with CM 1:3, 12 mm thick including hacking, preparation of surface, scaffolding, forming grooves wherever necessary, neat finishing, curing etc., complete at all levels, elevations and heights.	2	1	1.1	2		4.4000	Sqm
10	Exterior painting - APEX: Providing two coats of Exterior Emulsion paint to external plastered surface of approved colour with Asian or equivalent make over a coat of primer specified by the manufacturer and (smooth sanded) to give an even surface etc., including preparation of surface, Tools, scaffolding, etc., complete at all levels, elevations and heights. The surface should be thoroughly prepared and cleaned before painting. The painting must be done as per manufacturer's specification (Ivory 0315 - Above sill level & Wedgewood 0U42 - below sill level)						90.0000	Sqm
	Long wall	2	1	7.5		1.88	28.2000	
	long wall inner	2	1	6.25		0.95	11.8750	
	Short wall outer	2	1	2.5		1.88	9.4000	
	Short wall inner	2	1	2		0.95	3.8000	
	Short wall inner	6	1	2.4		0.9	12.9600	
	Partition wall	2	1	3.2		1.2	7.6800	
	foundation	1	1	23		0.15	3.4500	
	Wall top	1	1	23	0.23		5.2900	
	Deductions							
	Door	-2	1	0.25		1.88	(0.9400)	
	Door	-2	1	0.25		0.9	(0.4500)	
	Door	-2	1	0.25		1.88	(0.9400)	
	Door	-2	1	0.25		0.9		



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							(0.4500)	
	Total						79.8750	
11	Providing two coat of Interior primer paint to ceiling as per the specification mentioned by the manufacturer. Cost including surface preparation, Formwork, necessary tools & equipments, etc.	2	1	1.1	2.2		5.0000	Sqm
12	Plumbing & sanitary work							
	Supply & fixing of 3/4" CPVC Concealed pipe line with necessary bend, T, Elbow, etc. Cost including all material, necessary tools & equipments & all labour charges, Groove cutting for pipeline & refilling with CM 1:4.	1	1	6			6.0000	Rm
	Supply & fixing of 4" PVC pipe with necessary bend, T, Elbow, etc. Cost including material, necessary tools & equipments & all labour charges.	1	1	6			6.0000	Rm
	Supply & fixing of IWC of Parryware brand with necessary bend, U-trap. Cost including all material, labour, Excavation / breaking, Transport, loading & unloading and finishing the surface with Cement Mortar, etc, complete	2	1				2.0000	No.
	Supply & fixing of Urinal of Parryware brand / equivalent with necessary fittings. Cost including all material, labour, Transport, loading & unloading and finishing the surface with Cement Mortar, etc, complete	3	1				3.0000	No.
	SS Tap - Parryware supply & fixing	6	1				6.0000	No.
	SS Grating with u trap- supply & fixing	4	1				4.0000	No.
13	Structural Steel work: Supply, Fabrication and erection of structural steels / metal door with one coat primer and two coat enamel painting as per design including labour charges, welding, cutting, grinding and other fittings, etc. The Cost including material transport, all lead and lift, form work & fixing at all levels. complete all as directed by the engineer in charge							
	Doors 4 No. 0.75x1.85 m						180.0000	
	Total						180.0000	kg



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14	Floor Tile work: Providing Floor Tiles with best quality EURO or approved equivalent make as mentioned in the approved list, Non slippery Vitrified tiles of size 300 x 300 mm - 10mm thick set in cm 1:4, 20 mm thick with 2mm / 3mm spacer and pointing the joints with 'Roff Tile' filler compound as per Manufacturer's Specification and as directed. Rate shall include for preparation of base surface and finished the surface, cleaning the surface, and protecting and with Gypsum / POP layer over Plastic sheet and removing the same before handing over, work at all levels etc. complete. Basic price of tiles is Rs 40 per SQ.FT						15	Sqm
	Toilet floor	1	1	7.5	2		15.0000	
	Total						15.0000	
15	Wall Tile work: Providing Wall Tiles with best quality EURO or approved equivalent make as mentioned in the approved list, on slippery Vitrified tiles of size 300 x 200 mm - 10mm thick set in CM 1:4, 20 mm thick with 2mm / 3mm spacer and pointing the joints with 'Roff Tile' filler compound as per Manufacturer's Specification and as directed. Rate shall include for preparation of base surface, and finished the surface, cleaning the surface, and protecting and with Gypsum / POP layer over Plastic sheet and removing the same before handing over, work at all levels etc. complete. Basic price of tiles is Rs 40 per SQ.FT						26	Sqm
	Toilet Construction	1	1	28.6		0.9	25.7400	
	Total						25.7400	
16	Supply & fixing of size 3' dia x 1.5' depth x 2" thickness. Cost including material, Transport, Loading & unloading, erection of rings in pit, etc. complete	2	4				8.0000	No.
17	Shuttering & Centring work for RCC concrete works. Cost including Material, Transport and material fixing and removing labour charges	2	1	2.85	2.5		14.2500	Sqm



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18	GI Sheet+structural steels: Supply, Fabrication & erection of Corrugated Galvalume Iron Sheet of 0.5mm thickness with structural steels of approved brand and colour. Cost including all labour charges, tools & machineries, Screws , Transport, lead & lift etc. complete all as directed	2	1	3.5	2.7		18.9000	Sqm
19	Toilet side Weld mess partition boys and girls toilet	1	2	6		0.3	3.6000	Sqm
	Sub total							
D	Building painting & Art work							
1	Art work: Providing Oil based Art work of approved object & colour with two coat enamel painting of approved colour and brand over a coat of primer. Cost including preparation of surface with necessary tools, all labour charges, Transport.							
	Entrance	1	1	14.6		2.2	32.12	
	class room -1 & 2	1	1	55.2		3.2	176.64	
	Deduct joineries	-4	1	1.5		1.5	-9	
		-2	1	1.2		1.5	-3.6	
		-2	1	1		2.1	-4.2	
	total						191.96	Sqm
2	School Name board writing: Writing School Name board on a wall in Tamil / English/ Kannada / Telugu as per Govt. standards or as guided by the Engineer. Use Asian Apex enamel paints. Provide two coat of enamel paint of approved colour over a coat of base coat primer. Cost including necessary tools, surface preparation, Scaffolding / ladder, working at all levels.	1	1	10		1.5	15	Sqm
3	Exterior painting - APEX: Providing two coats of Exterior Emulsion paint to external plastered surface of approved colour with Asian or equivalent make over a coat of primer specified by the manufacturer and (smooth sanded) to give an even surface etc., including preparation of surface, Tools, scaffolding, etc., complete at all levels, elevations and heights. The surface should be thoroughly prepared and cleaned before painting. The painting must be done as per manufacturer's specification (Ivory 0315 - Above sill level & Wedgewood 0U42 - below sill level)							
	Building 1	1	1	131.4		4.1	538.74	



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		1	1	29.7		1.2	35.64	
	Deduct joineries	-4	1	1.5		1.5	-9	
		-2	1	1.2		1.5	-3.6	
		-2	1	1		2.1	-4.2	
		-1	1	21.4		1.2	-25.68	
							531.9	Sqm
4	Ceiling painting: Providing two coat of Interior Emulsion paint of approved colour to Ceiling surface over a coat of Base coat primer including preparation of surface by thorough cleaning as per manufacturers specification fully to give an even shade. Ceiling - White							
	Building 1	2	1	6.8	6.8		92.48	
		1	1	21.4	1.4		29.96	
	Total						122.44	Sqm
5	Enamel Painting: Providing two coats of Enamel paint (0U42 Wedgewood) to steel doors & Nickle grey to structural steels over a coat of oil based primer including preparation of surface by thorough cleaning as per manufacturer's specification fully to give an even shade and as directed. (0U42 Wedgewood - Joineries , Nickle Grey - Structural steels)							
	Black board	2	1	26		0.9	46.8	
	Black board	2	1	5		1.2	12	
	Black board	2	1	24		0.9	43.2	
	Black board	2	1	5		1.2	12	
	Joineries							
	Window1	4	2	1.5		1.5	18	
	Window 2	2	2	1.2		1.5	7.2	
	Door	2	2	1		2.1	8.4	
							147.6	Sqm
	Sub total							
E	Sump Construction							
1	Earthwork Excavation in all types of soil upto 1.50m depth by manually and Stacking / Carting of Excavated Soil within the Lead of 0 to 100m. Rate includes Manual Dressing / Trimming after Excavation, Removal of loose Earth inside the Pit, Dewatering, Slush Removal, necessary Shoring / Strutting etc as directed by the Engineer-In-Charge	1	1	1.500	1.500	1.500	3.3750	Cum



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2	Providing sand filling (M-Sand) for basement/ Concrete works with necessary compaction and laying. Cost including material, Transport, all lead & lift, Water for compaction , Levelling, etc.	1	1	1.500	1.500	0.100	0.2250	Cum
3	Providing and laying required thickness of controlled plain concrete of PCC 1:4:8 grade using 20 mm and down size coarse graded hard stone aggregate for levelling course in foundation at any mass concrete and other similar works at all levels and heights, elevations, mechanical mixing, transporting and placing at all lifts, compacting, levelling, curing, dewatering wherever necessary, the cost of all materials, labour, leads and lifts, tools and plant, machineries etc., complete as per specifications.	1	1	1.500	1.500	0.100	0.2250	Cum
4	1000 Ltr water Tank in first quality with above three layer and pressure resistant in below GL. Including Transport	1	1					LS
5	Earth work excavation	1	1	4.000	0.3	0.300	0.3600	Cum
6	PCC 1:4:8	1	1	4.000	0.3	0.100	0.1200	Cum
7	Brickwork 230mm and above with FPS Bricks of class designation 35(class B) in cement mortar 1:6, staging, raking of joints, curing of bricks before & after etc, complete in all respect and at all heights for foundation, including Material and Labour cost .	1	1	4.000	0.23	0.350	0.3220	Cum
8	Exterior Plastering: Two coats of plaster for surfaces with base coat having the following Mix & thickness adding with water proofing compound and finishing with base coat of 10 mm thick in C.M 1:4 with water proofing compound (mixing ratio 1:50,1kg water proofing compound:50 Kg cement)and finishing coat of 10 mm thick in C.M 1:3 after roughening the surface of first coat in green condition with wire brush and clearing of loose particles with sponge finish (washed sand finish) all complete as per specification and as directed. Rate shall include for scaffolding, formwork as necessary and curing etc., complete.	1	1	4.000		0.930	3.7200	Sqm
9	Mane Hole (4*4) Feet with SFRC Cover including Transport	1	1					LS
	Sub total							
F	Drinking water supply							



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1	1000 ltr PVC Tank: Supply & fixing of triple layer PVC Tank of approved brand with necessary tank nipples / connectors for inlet, outlet & over flow. Cost including material, Labour charges, Transport, loading & unloading etc.	1	1			1	1.0000	No.
2	Supply & fixing of 1" CPVC pipe with necessary bend, T, Elbow, etc. Cost including material, necessary tools & equipments & all labour charges.							RM
	panchayat line to sump	2	1	6			12.0000	
	Sump to OHT	1	1	18			18.0000	
	Total						30.0000	
3	Supply & fixing of 3/4" CPVC pipe with necessary bend, T, Elbow, etc. Cost including material, necessary tools & equipments & all labour charges.							RM
	OHT to toilet, handwash,	1	1	40			40.0000	
	Total						40.0000	
4	Supply & fixing of SS Taps of Parryware/ any equivalent make.	3	1				3.0000	No.
5	Supply & fixing of 0.5 HP Texmo motor	1	1				1.0000	No.
6	Electrical work for texmo motor	1	1				1.0000	LS
7	Supply & fixing of foot valve for sump motor	1	1				1.0000	LS
8	supply & fixing of 1" CPVC Gate valve of supreme/ any equivalent brand	2	1				2.0000	No.
9	supply & fixing of 3/4" CPVC Gate valve of supreme/ any equivalent brand	2	1				2.0000	No.
10	Earthwork Excavation & back filling in all types of soil upto 1.50m depth by manually and Stacking / Carting of Excavated Soil within the Lead of 0 to 100m. Rate includes Manual Dressing / Trimming after Excavation, Removal of loose Earth inside the Pit, Dewatering, Slush Removal, necessary Shoring / Strutting, back filling etc as directed by the Engineer-In-Charge							Cum
	pipe lines	1	1	30	0.3	0.3	2.7000	
	Total						2.7000	
	Sub total							
G	Compound Wall							



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1	Brickwork 230mm and above with FPS Bricks of class designation 35(class B) in cement mortar 1:6, staging, raking of joints, curing of bricks before & after etc, complete in all respect and at all heights for foundation, including Material and Labour cost .							
	Front Entrance Wall including repair work for cracks use admixture during plastering	1	1	6	0.23	2	2.76	Cum
	Mason	3	1				3.00	No.
	Mazdoor	3	1				3.00	No.
2	Entrance Gate	1	1				180.00	Kg
3	Enamel Painting for Gate	1	1	5.3		2	10.60	Sqm
4	Painting for entire wall	2	1	90		2	360.00	Sqm
	Sub total							
H	Hand wash stage							
1	Earthwork Excavation in all types of soil upto 1.50m depth by manually and Stacking / Carting of Excavated Soil within the Lead of 0 to 100m. Rate includes Manual Dressing / Trimming after Excavation, Removal of loose Earth inside the Pit, Dewatering, Slush Removal, necessary Shoring / Strutting etc as directed by the Engineer-In-Charge	1		3.5	1.5		5.25	Cum
2	Providing and laying required thickness of controlled plain concrete of PCC 1:4:8 grade using 20 mm and down size coarse graded hard stone aggregate for levelling course in foundation at any mass concrete and other similar works at all levels and heights, elevations, mechanical mixing, transporting and placing at all lifts, compacting, levelling, curing, dewatering wherever necessary, the cost of all materials, labour, leads and lifts, tools and plant, machineries etc., complete as per specifications.							
	Stage area	1		3	1.2	0.1	0.36	Cum
3	Brickwork 230mm and above with FPS Bricks of class designation 35(class B) in cement mortar 1:6, staging, raking of joints, curing of bricks before & after etc, complete in all respect and at all heights for foundation, including Material and Labour cost .							



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	Stage area	1	3	1.2	0.35	1.26	
		1	3	0.6	0.23	0.41	
		4	0.23	0.6	1	0.55	
		1	5	0.15	0.15	0.11	
	Total					2.34	Cum
4	Plastering the surface of Brick work with CM 1:4, 12 mm thick and steel trowel finish to inside with neat cement rendering including racking joints, hacking preparation of surface, scaffolding, forming grooves wherever necessary curing etc., complete at all levels, elevations and heights. The rate includes for provision of chicken mesh wherever necessary at junctions of RCC column beams etc., and lapping of the mesh should not be less than 75 mm etc., all complete.						
	Stage area	1	3	1.2		3.60	
		1	3		0.23	0.69	
		8	0.6		1	4.80	
		1	5	0.3		1.50	
	Total					10.59	Sqm
5	Floor Tile work: Providing Floor Tiles with best quality EURO or approved equivalent make as mentioned in the approved list, on slippery Vitrified tiles of size 300 x 300 mm - 10mm thick set in CM 1:4, 20 mm thick with 2mm / 3mm spacer and pointing the joints with 'Roff Tile' filler compound as per Manufacturer's Specification and as directed. Rate shall include for preparation of base surface, and finished the surface, cleaning the surface, and protecting and with Gypsum / POP layer over Plastic sheet and removing the same before handing over, work at all levels etc. complete. Basic price of tiles is Rs 40 per SQ.FT						
		1	1	3	1.2	3.60	Sqm



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6	Wall Tile work: Providing Wall Tiles with best quality EURO or approved equivalent make as mentioned in the approved list, on slippery Vitrified tiles of size 300 x 200 mm - 10mm thick set in CM 1:4, 20 mm thick with 2mm / 3mm spacer and pointing the joints with 'Roff Tile' filler compound as per Manufacturer's Specification and as directed. Rate shall include for preparation of base surface, and finished the surface, cleaning the surface, and protecting and with Gypsum / POP layer over Plastic sheet and removing the same before handing over, work at all levels etc. complete. Basic price of tiles is Rs 40 per SQ.FT	1	1	4	6		24.00	Sqm
	Sub total							
I	Paver block platform							
1	Earthwork Excavation in all types of soil upto 1.50m depth by manually and Stacking / Carting of Excavated Soil within the Lead of 0 to 100m. Rate includes Manual Dressing / Trimming after Excavation, Removal of loose Earth inside the Pit, Dewatering, Slush Removal, necessary Shoring / Strutting etc as directed by the Engineer-In-Charge	1	2	20	0.3	0.3	3.6000	
		1	1	10	0.3	0.3	0.9000	
							4.5000	Cum
2	Providing and laying required thickness of controlled plain concrete of PCC 1:4:8 grade using 20 mm and down size coarse graded hard stone aggregate for levelling course in foundation at any mass concrete and other similar works at all levels and heights, elevations, mechanical mixing, transporting and placing at all lifts, compacting, levelling, curing, dewatering wherever necessary, the cost of all materials, labour, leads and lifts, tools and plant, machineries etc., complete as per specifications.	1	2	20	0.23	0.1	0.9200	
		1	1	10	0.23	0.1	0.2300	
							1.15	Cum
3	Brickwork 230mm and above with FPS Bricks of class designation 35(class B) in cement mortar 1:6, staging, raking of joints, curing of bricks before & after etc, complete in all respect and at all heights for foundation, including	1	2	20	0.12	0.35	1.6800	



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	Material and Labour cost .							
		1	1	10	0.12	0.35	0.4200	
							2.10	Cum
4	Interior Plastering: Plastering the interior surface of Brick work with CM 1:4, 12 mm thick and steel trowel finish to inside with neat cement rendering including racking joints, hacking preparation of surface, scaffolding, forming grooves wherever necessary curing etc., complete at all levels, elevations and heights. The rate includes for provision of chicken mesh wherever necessary at junctions of RCC column beams etc., and lapping of the mesh should not be less than 75 mm etc., all complete.	1	2	20		0.46	18.4000	
		1	1	10		0.46	4.6000	
							23.00	Sqm
6	Providing sand filling (M-Sand) for basement of Paverblock works with necessary compaction and laying. Cost including material, Transport, all lead & lift, Water for compaction , Levelling, etc.	1	1	20	1.5	0.1	2.0000	
		1	1	10	2.5	0.1	1.0000	
							3.0000	Cum
7	Supply & fixing of 60mm thick paverblock of approved shape & colour with proper compaction through Earth rammer. Cost including transport, Loading/unloading, lead & lift.	1	1	20	1.5		30	
		1	1	15	2.5		37.5	
							67.5	Sqm
8	Exterior painting - APEX: Providing two coats of Exterior Emulsion paint to external plastered surface of approved colour with Asian or equivalent make over a coat of primer specified by the manufacturer and (smooth sanded) to give an even surface etc., including preparation of surface, Tools, scaffolding, etc., complete at all levels, elevations and heights. The surface should be thoroughly prepared and	1	2	20		0.45	18.0000	



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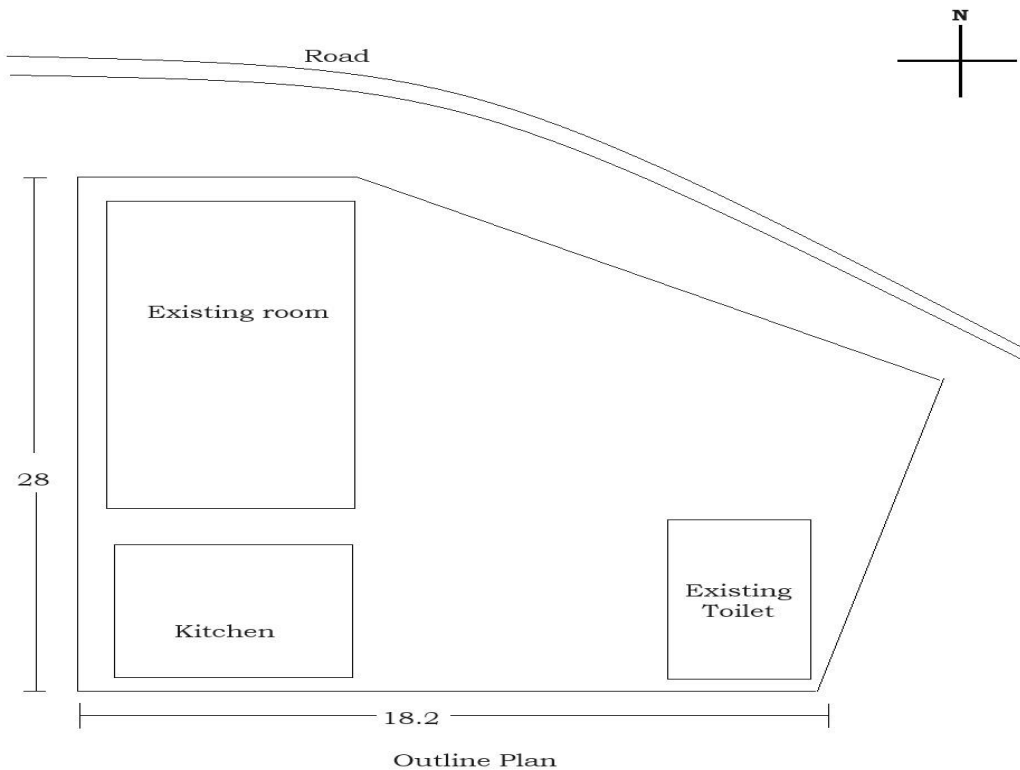
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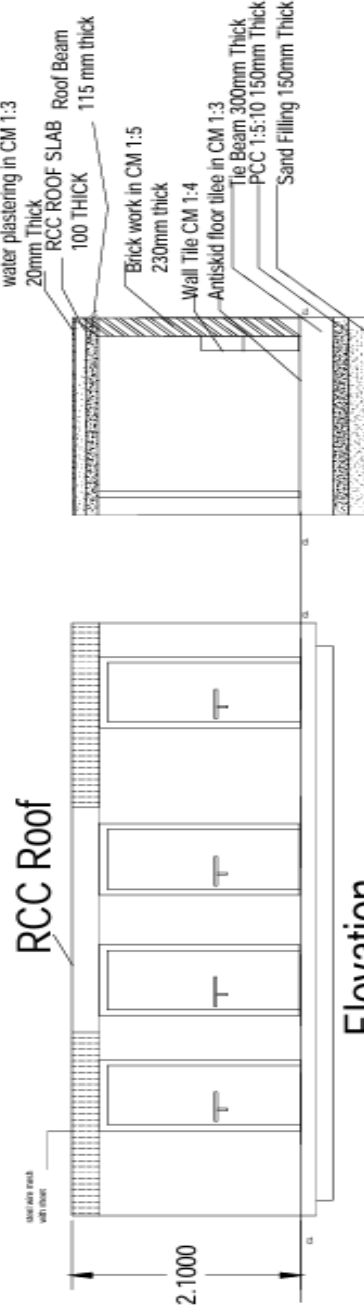
CIN: U73200PN2012NPL142984

	cleaned before painting. The painting must be done as per manufacturer's specification (Ivory 0315 - Above sill level & Wedgewood 0U42 - below sill level)							
		1	2	10		0.45	9.0000	
							27.00	Sqm

Madakkal School Layout Plan



Tamil Nadu - Proposed Boys & Girls Toilet Year 2024-2025

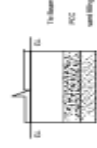


Note :

D-0.9*2.10

V-0.3*0.45

All Dimension in M

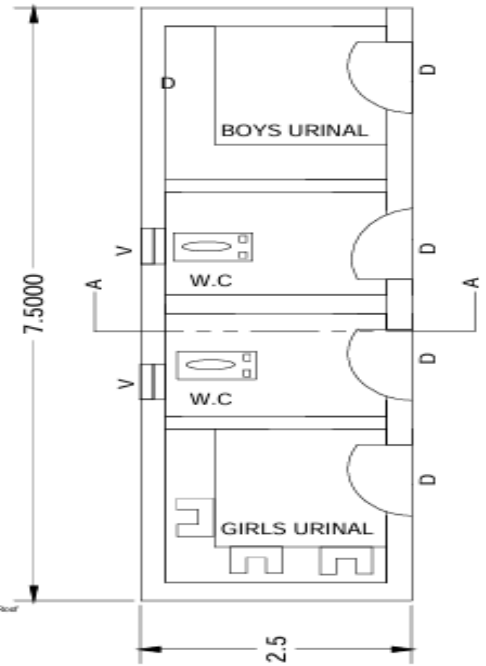


Foundation

TIE BEAM
12mm dia bar @ 2Nos
8mm dia bar strips @ 6*c/c
12mm dia bar @ 2 Nos

Roof Beam
12mm dia bar 4 Nos
8mm dia bar strips @ 6*c/c

Elevation



PLAN



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	Short wall	2	1	7.7	0.6	0.1	0.9240	
	Floor	5	1	1.55	0.6	0.1	0.4650	
	Total	1	1	6.8	1.8	0.15	1.8360	
	Providing and laying required thickness of controlled plain concrete of PCC 1:4:8 grade using 20 mm and down size coarse graded hard stone aggregate for levelling course in foundation at any mass concrete and other similar works at all levels and heights, elevations, mechanical mixing, transporting and placing at all lifts, compacting, levelling, curing, dewatering wherever necessary, the cost of all materials, labour, leads and lifts, tools and plant, machineries etc., complete as per specifications.						3.2250	Cum
3 4	Long wall						3.4000	Cum
	Short wall	2	1	7.7	0.6	0.1	0.9240	
	Floor	5	1	1.55	0.6	0.1	0.4650	
		1	1	6.8	1.8	0.15	1.8360	
	Total	1	1	0.9	0.8	0.15	0.1080	
	RR Masonry: Providing & laying of RR masonry using size stones with necessary bond stones in CM 1:6. Cost including material, Transport, Loading & unloading, laying, CM & curing etc. complete						3.3330	
4 5	Long wall						14.0000	Cum



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	Short wall	2	1	7.7	0.45	1.2	8.3160	
	Partition wall	2	1	1.8	0.45	1.2	1.9440	
		3	1	1.8	0.45	1.2	2.9160	
	Total	1	1	2	0.45	0.6	0.5400	
	RCC 1:2:4 Providing and laying of machine mixed Reinforced Cement Concrete of Mix ratio 1:2:4 with minimum cement content of 323 Kg/Cum. Use OPC 53 Grade cement of Ultratech/JSW/Zuari/Dalmia. Use 20mm HBG coarse aggregate, M-Sand for concrete. The cost includes labours, Materials, Mixer machine, Vibrator for compaction, finishing, Curing, all lead & lift and all necessary tools. Complete all as per Engineer instructions.						13.7160	
5 6	Slab						1.9000	Cum
	Long wall	1	1	2.5	2.85	0.1	0.7125	
	Short wall	2	1	7.7	0.45	0.1	0.6930	
	Partition wall	2	1	1.8	0.45	0.1	0.1620	
	Total	3	1	2	0.45	0.1	0.2700	
	Reinforcement work: Supplying, fabricating and fixing in position MS bars conforming to IS-432/ High yield strength deformed bars conforming to IS-1786 of Fe 500 Grade of all dia for reinforcement in all RCC in situ works including flooring and precast works at all levels and heights above finished floor level etc., including cost of straightening, cutting, bending to shape fabricating and tying with 18 gauge GI binding wire, providing and fixing PVC cover blocks, dewatering wherever necessary etc., all complete as per drawings and specifications and as directed by the Engineer. The rate to include cost of spacer bar, chairs, binding wire, PVC cover blocks, all cuts and wastes which will not be measured. Only laid weight will be measured including authorized laps. Cuts and wastes will not be measured for payment.						1.8375	



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6 7	12 mm - Slab						210.0000	Kg
	Beam	1	1	2.5	2.85	15	106.8750	
	Total	1	1	24.4		4	97.6000	
	Brickwork 230mm and above with FPS Bricks of class designation 35(class B) in cement mortar 1:6, staging, raking of joints, curing of bricks before & after etc, complete in all respect and at all heights for foundation, including Material and Labour cost .						204.4750	
7 8	Long wall						13.0000	Cum
	Short wall	2	1	7.5	0.23	2	6.9000	
	Short wall	2	1	2	0.23	2	1.8400	
	Partition wall	3	1	2	0.15	2	1.8000	
	urinal	2	1	2.4	0.115	1.4	0.7728	
	Boys urinal	2	1	2	0.6	0.115	0.2760	
	Steps	1	1	2	0.115	0.23	0.0529	
	Steps	1	1	3.1	0.23	0.23	0.1640	
	Steps	1	1	3.1	0.23	0.4	0.2852	
	Steps	1	1	0.9	0.23	0.4	0.0828	
	Steps	1	1	1.1	0.3	0.23	0.0759	
	Steps	1	1	1.68	0.115	0.2	0.0386	
	Hand wash	1	1	1.68	0.3	0.115	0.0580	
	Hand wash	2	1	0.5	0.115	0.55	0.0633	



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	Hand wash	1	1	1.7	0.95	0.2	0.3230	
	Total	1	1	1.8	0.115	0.115	0.0238	
	Exterior Plastering: Two coats of plaster for surfaces with base coat having the following Mix & thickness adding with water proofing compound and finishing with base coat of 10 mm thick in C.M 1:4 with water proofing compound (mixing ratio 1:50,1kg water proofing compound:50 Kg cement)and finishing coat of 10 mm thick in C.M 1:3 after roughening the surface of first coat in green condition with wire brush and clearing of loose particles with sponge finish (washed sand finish) all complete as per specification and as directed. Rate shall include for scaffolding, formwork as necessary and curing etc., complete.						12.7562	
8 9	Long wall						126.0000	Sqm
	long wall inner	2	1	7.5		2.1	31.5000	
	Short wall outer	2	1	6.25		2.1	26.2500	
	Short wall inner	2	1	2.5		2.1	10.5000	
	Partition wall	8	1	2		2.1	33.6000	
	Steps	2	1	2.4		1.4	6.7200	
	Steps	1	1	3.2		0.5	1.6000	
	Steps	2	1	3.2		0.15	0.9600	
	Steps	1	1	0.9		0.8	0.7200	
	foundation	1	1	0.3		1.1	0.3300	
	Roof	1	1	23		0.2	4.6000	
	Wall top	1	1	2.85	2.5		7.1250	
	Deductions	1	1	23	0.23		5.2900	



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CIN: U73200PN2012NPL142984

	Door							
		-2	2	0.25		1.88	(1.8800)	
	Total	-2	2	0.25		1.65	(1.6500)	
	Ceiling Plastering: Plastering the under sides of slab and all other RCC surfaces with CM 1:3, 12 mm thick including hacking, preparation of surface, scaffolding, forming grooves wherever necessary, neat finishing, curing etc., complete at all levels, elevations and heights.						125.6650	
10	Exterior painting - APEX: Providing two coats of Exterior Emulsion paint to external plastered surface of approved colour with Asian or equivalent make over a coat of primer specified by the manufacturer and (smooth sanded) to give an even surface etc., including preparation of surface, Tools, scaffolding, etc., complete at all levels, elevations and heights. The surface should be thoroughly prepared and cleaned before painting. The painting must be done as per manufacturer's specification (Ivory 0315 - Above sill level & Wedgewood 0U42 - below sill level)	2	1	1.1	2		4.4000	Sqm
10 11	Long wall						90.0000	Sqm
	long wall inner	2	1	7.5		1.88	28.2000	
	Short wall outer	2	1	6.25		0.95	11.8750	
	Short wall inner	2	1	2.5		1.88	9.4000	
	Short wall inner	2	1	2		0.95	3.8000	
	Partition wall	6	1	2.4		0.9	12.9600	
	foundation	2	1	3.2		1.2	7.6800	
	Wall top	1	1	23		0.15	3.4500	
	Deductions	1	1	23	0.23		5.2900	
	Door							
	Door	-2	1	0.25		1.88		



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						(0.9400)	
	Door	-2	1	0.25		0.9	(0.4500)
	Door	-2	1	0.25		1.88	(0.9400)
	Total	-2	1	0.25		0.9	(0.4500)
	Providing two coat of Interior primer paint to ceiling as per the specification mentioned by the manufacturer. Cost including surface preparation, Formwork, necessary tools & equipments, etc.						79.8750
12	Plumbing & sanitary work	2	1	1.1	2.2		5.0000 Sqm
12 13	Supply & fixing of 3/4" CPVC Concealed pipe line with necessary bend, T, Elbow, etc. Cost including all material, necessary tools & equipments & all labour charges, Groove cutting for pipe line & refilling with CM 1:4.						
	Supply & fixing of 4" PVC pipe with necessary bend, T, Elbow, etc. Cost including material, necessary tools & equipments & all labour charges.	1	1	6			6.0000 Rm
	Supply & fixing of IWC of Parryware brand with necessary bend, U-trap. Cost including all material, labour, Excavation / breaking, Transport, loading & unloading and finishing the surface with Cement Mortar, etc., complete	1	1	6			6.0000 Rm
	Supply & fixing of Urinal of Parryware brand / equivalent with necessary fittings. Cost including all material, labour, Transport, loading & unloading and finishing the surface with Cement Mortar, etc., complete	2	1				2.0000 No.
	SS Tap - Parryware supply & fixing	3	1				3.0000 No.
	SS Grating with u trap- supply & fixing	6	1				6.0000 No.
	Structural Steel work: Supply, Fabrication and erection of structural steels / metal door with one coat primer and two coat enamel painting as per design including labour charges, welding, cutting, grinding and other fittings, etc. The Cost including material transport, all lead and lift, form work & fixing at all levels. complete all as directed by the engineer in charge	4	1				4.0000 No.



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13	Doors 4 No. 0.75 x 1.85 m						
14							
	Total					180.000	
	Floor Tile work: Providing Floor Tiles with best quality EURO or approved equivalent make as mentioned in the approved list, Non-slippery Vitrified tiles of size 300 x 300 mm - 10mm thick set in CM 1:4, 20 mm thick with 2mm / 3mm spacer and pointing the joints with 'Roff Tile' filler compound as per Manufacturer's Specification and as directed. Rate shall include for preparation of base surface, and finished the surface, cleaning the surface, and protecting and with Gypsum / POP layer over Plastic sheet and removing the same before handing over, work at all levels etc. complete. Basic price of tiles is Rs 40 per SQ.FT					180.000	kg
	Toilet floor					15	Sqm
	Total	1	1	7.5	2		
						15.0000	
15	Wall Tile work: Providing Wall Tiles with best quality EURO or approved equivalent make as mentioned in the approved list, Non-slippery Vitrified tiles of size 300 x 200 mm - 10mm thick set in CM 1:4, 20 mm thick with 2mm / 3mm spacer and pointing the joints with 'Roff Tile' filler compound as per Manufacturer's Specification and as directed. Rate shall include for preparation of base surface, and finished the surface, cleaning the surface, and protecting and with Gypsum / POP layer over Plastic sheet and removing the same before handing over, work at all levels etc. complete. Basic price of tiles is Rs 40 per SQ.FT					15.0000	



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	Toilet Construction						26	Sqm
	Total	1	1	28.6			0.9	25.7400
16	Supply & fixing of size 3' dia x 1.5' depth x 2" thickness. Cost including material, Transport, Loading & unloading, erection of rings in pit, etc. complete							25.7400
17	Shuttering & Centring work for RCC concrete works. Cost including Material, Transport and material fixing and removing labour charges	2	4					8.0000 No.
18	GI Sheet+structural steels: Supply, Fabrication & erection of Corrugated Galvalume Iron Sheet of 0.5mm thickness with structural steels of approved brand and colour. Cost including all labour charges, tools & machineries, Screws , Transport, lead & lift etc. complete all as directed	2	1	2.85	2.5			14.2500 Sqm
19	Toilet side Weld mess partition boys and girls' toilet	2	1	3.5	2.7			18.9000 Sqm
	Sub total	1	2	6			0.3	3.6000 Sqm
B	Electrical works							
1	LED Tube light (Phillips) - supply							
2	9W LED bulb (Phillips) - Supply	1	2					2.00 No.
3	Bulkhead lamp	5	1					5.00 No.
4	RCCB	2	1					2.00 No.
5	6A Switches	1	1					1.00 No.
6	Indicator	6	3					18.00 No.
7	8M Switch box	2	2					4.00 No.
8	16A 5pin Socket with switch	1	2					2.00 No.
9	2.5 Cr cable	2	2					4.00 No.



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10	1.5 Cr cable	1	1				1.00	Coil
11	PVC pipe	1	1				1.00	Coil
12	other Fittings, Screws, clamp, elbow, bend	10	3				30.00	length
13	Labour charges	1	1				1.00	LS
	Electrician							
	Helper	3	2				6.00	Day
	Sub total	3	2				6.00	Day
I	Hand wash stage							
1	Earthwork Excavation in all types of soil upto 1.50m depth by manually and Stacking / Carting of Excavated Soil within the Lead of 0 to 100m. Rate includes Manual Dressing / Trimming after Excavation, Removal of loose Earth inside the Pit, Dewatering, Slush Removal, necessary Shoring / Strutting etc as directed by the Engineer-In-Charge							
2	Providing and laying required thickness of controlled plain concrete of PCC 1:4:8 grade using 20 mm and down size coarse graded hard stone aggregate for levelling course in foundation at any mass concrete and other similar works at all levels and heights, elevations, mechanical mixing, transporting and placing at all lifts, compacting, levelling, curing, dewatering wherever necessary, the cost of all materials, labour, leads and lifts, tools and plant, machineries etc., complete as per specifications.	1		3.5	1.5		5.25	Cum
2 3	Stage area							
	Brickwork 230mm and above with FPS Bricks of class designation 35(class B) in cement mortar 1:6, staging, raking of joints, curing of bricks before & after etc, complete in all respect and at all heights for foundation, including Material and Labour cost .	1		3	1.2	0.1	0.36	Cum



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3	Stage area						
4		1	3	1.2	0.35	1.26	
		1	3	0.6	0.23	0.41	
		4	0.23	0.6	1	0.55	
	Total	1	5	0.15	0.15	0.11	
	Plastering the surface of Brick work with CM 1:4, 12 mm thick and steel trowel finish to inside with neat cement rendering including racking joints, hacking preparation of surface, scaffolding, forming grooves wherever necessary curing etc., complete at all levels, elevations and heights. The rate includes for provision of chicken mesh wherever necessary at junctions of RCC column beams etc., and lapping of the mesh should not be less than 75 mm etc., all complete.					2.34	Cum
4	Stage area						
5		1	3	1.2		3.60	
		1	3		0.23	0.69	
		8	0.6		1	4.80	
	Total	1	5	0.3		1.50	
	Floor Tile work: Providing Floor Tiles with best quality EURO or approved equivalent make as mentioned in the approved list, Non-slippery Vitrified tiles of size 300 x 300 mm - 10mm thick set in CM 1:4, 20 mm thick with 2mm / 3mm spacer and pointing the joints with 'Roff Tile' filler compound as per Manufacturer's Specification and as directed. Rate shall include for preparation of base surface, and finished the surface, cleaning the surface, and protecting and with Gypsum / POP layer over Plastic sheet and removing the same before handing over,					10.59	Sqm



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	work at all levels etc. complete. Basic price of tiles is Rs. 40 per SQ.FT						
5 6							
	Wall Tile work: Providing Wall Tiles with best quality EURO or approved equivalent make as mentioned in the approved list, Non-slippery Vitrified tiles of size 300 x 200 mm - 10mm thick set in CM 1:4, 20 mm thick with 2 mm / 3 mm spacer and pointing the joints with 'Roff Tile' filler compound as per Manufacturer's Specification and as directed. Rate shall include for preparation of base surface, and finished the surface, cleaning the surface, and protecting and with Gypsum / POP layer over Plastic sheet and removing the same before handing over, work at all levels etc. complete. Basic price of tiles is Rs. 40 per SQ.FT	1	1	3	1.2	3.60	Sqm



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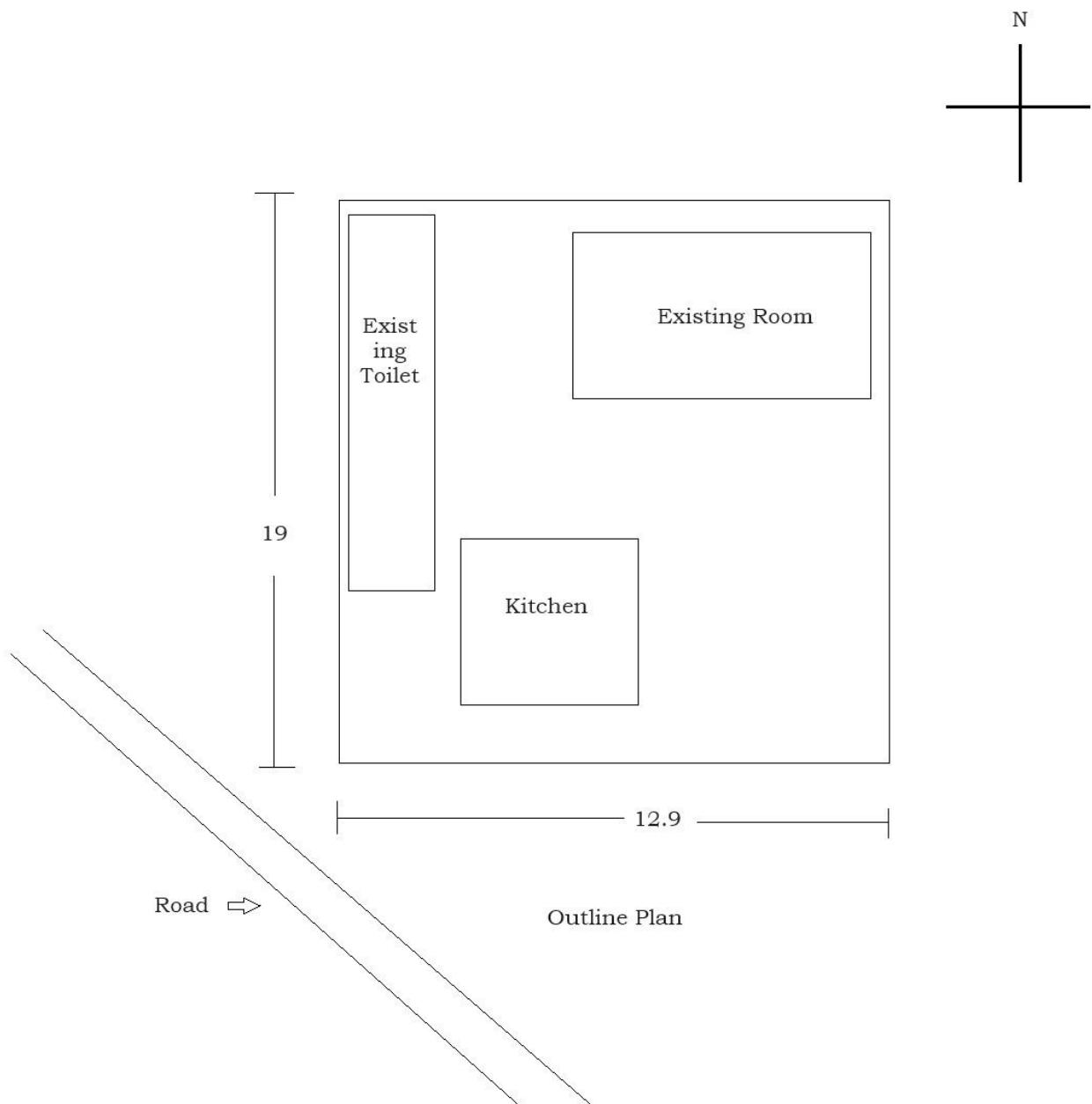
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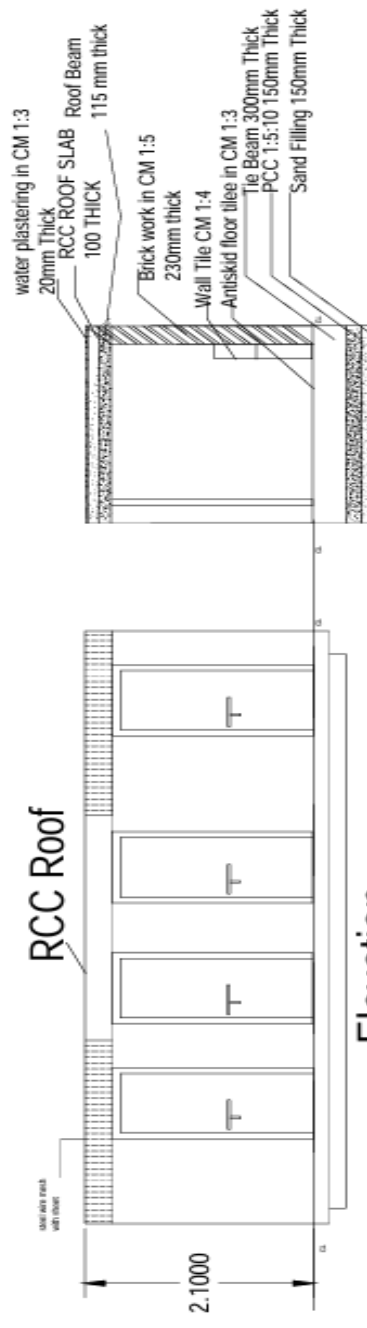
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M. Gollapalli School Layout



Tamil Nadu - Proposed Boys & Girls Toilet Year 2024-2025



Section AA

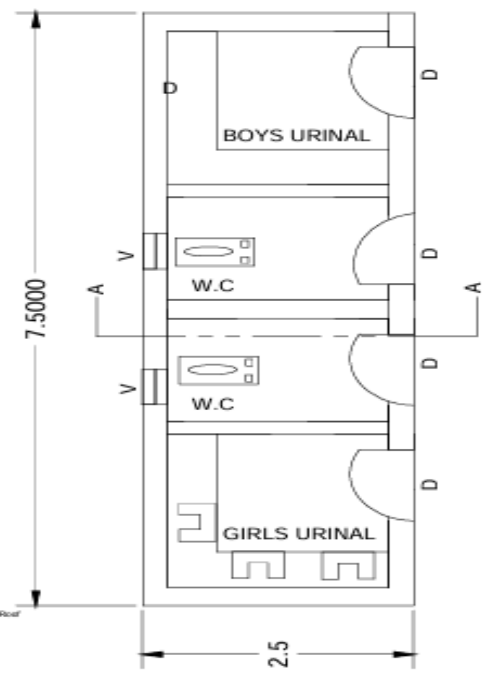
Note :
 D-0.9*2.10
 V-0.3*0.45
 All Dimension in M



Foundation

- TIE BEAM: 12mm dia bar @2Nos, 8mm dia bar strips @ 6"c/c, 12mm dia bar @ 2 Nos
- Roof Beam: 12mm dia bar 4 Nos, 8mm dia bar strips @ 6"c/c

Elevation



PLAN
