

INVITATION FOR QUOTATION

Date: 26.10.2023

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

Brief Description of the Works	EVC (Rs. In Lakhs approx.)	Period of Completion
Renovation of existing school Building – T. Sulagunta Village, Madakkal GP, Krishnagiri District, Tamil Nadu	16.2 lakhs	1.5 (one & half) Months

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 31.10.2023 before 5:00 PM.

Quotations will be opened in the presence of Bidders or their representatives who choose to attend on 01.11.2023 at 11:00 AM in the office of **BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT, "Kamadhenu", P.B. No.3, Shardanagara, Tiptur 572201, Tumkur Dist.**

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

For BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT.



B. Shivarudrappa
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.

Brief Description of the Works	EVC (Rs. In Lakhs approx.)	Period of Completion
Renovation of existing school Building – T. Sulagunta Village, Madakkal GP, Krishnagiri District, Tamil Nadu	16.10 lakhs	1.5 (one & half) Months

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

2. Qualification of the bidder:

- Financial turnover not less than Rs.40 Lakh OR
- 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.
- 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.

3. Bid Price

- 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.
- All duties, taxes, and other levies payable by the contractor under the contract shall be included in the total price.
- 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.
- The rates should be quoted in Indian Rupees only.

4. Submission of Quotations

- 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.
- Each bidder shall submit only one quotation.
- The quotation submitted by the bidder shall comprise of the following:-
 - Quotation in the format given in Annexure I
 - Signed Bill of Quantities as per Annexure II; and
 - 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 rejected and returned unopened to the bidder.

f) Quotation should be addressed to **BAIF / BISLD Karnataka “Kamadhenu” P.B. No. 3, Sharadanagara, Tiptur 572201 Karnataka Telephone: 08134-250658 / 251337**

E-mail: bisld.karnataka@baif.org.in

manikandan.s@baif.org.in

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 relating to 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 expiry of the validity period of the quotation. 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 be terminated any time if the quality of material delivered, the scope of work and specifications are not found to be satisfactory. The payment for work done till date shall be released in favour of the bidder, only after satisfactory inspection by NGST.
- d. Arrangement of water and electric power and any other machine and equipment (cranes and excavators) necessarily required for installation, transportation and

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

- 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 quotation and to cancel the bidding process and reject all quotations 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 expiry of the validity period of the quotation.

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

13. Performance Security

Within 15 days of receiving letter of acceptance, the successful bidder shall deliver to **BAIF INTITUTE 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

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 10-09-2019 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 (ON 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 favour 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



BAIF INSTITUTE FOR SUSTAINABLE LIVELIHOODS AND DEVELOPMENT

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Email: bisld.karnataka@baif.org.in Website: www.bisld.org.in

CIN: U73200PN2012NPL142984 GST: 29AAFCB0909D1Z0

Work: 1 – Renovation of Existing School Structure: T Sulagunta PUP school. Madakkal GP, Anchetty TK, Krishnagiri Dt.

Sr. No.	Description	Qty.	Unit	Unit Rate	Amount
A	Roof leakage arrest work				
1	Labour charges for dismantling and disposal of existing damaged weathering coarse. Cost including all labour, tools, lead and lift, tractor charges, loading and unloading, working at all levels, etc.	141.24	Sqm		
		42	Sqm		
2	Concrete Terrace Water proofing: Providing two coats of Dr. Fixit Pidipin 2K paint over terrace concrete and Provide two coats of New coat (Dr. Fixit) over a base coat primer. Concrete Surface to be cleaned with Hi pressure water wash with necessary cracks sealant application. Cracks should be filled with Sealent / URP/ 41G of the size 5 x 10 mm with necessary groove cutting and cleaning. Parapet wall side corner to be angle plastered (3") with CM 1:3 (30% pidigrout + 70% water admixture). Application process and mixing ratio of Sealent, Dr. Fixit Pidipin 2K are as per the manufacture's specification to claim warranty. Cost including necessary tools, surface preparation, water, application at all levels, transport, all labour charges, lead and lift, loading and unloading.	141.24	Sqm		
		42	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.	141.24	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 thickness 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 charges for scaffolding, formwork as necessary and curing, complete.	42	Sqm		
5	4" PVC Rain water Pipe supply and laying with fittings	48	Rft		



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	Sub total				
B	Flooring				
1	Labour charges for dismantling and disposal of existing damaged floor to the depth of 125 mm. Cost including all labour, tools, lead & lift, tractor charges, loading & unloading etc.	126.63	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.	12.663	Cum		
3	Floor Tile work: Providing Floor Tiles with best quality EURO or approved equivalent make as mentioned in the approved list, Non slippery Vetrified tiles of size 600 x 600 mm – 10 mm 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 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.	138.6	Sqm		
	Sub total				
C	Toilet Construction				
1	Earthwork Excavation in all types of soil upto 1.50 m depth by manually and Stacking / Carting of Excavated Soil within the Lead of 0 to 100 m. 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	9.3000			
	Short wall	4.6500			
	Soak pit	4.0320			
	Total	17.9820			



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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.	3.2500	Cum		
	Long wall	0.9300			
	Short wall	0.4650			
	Floor	1.8495			
	Total	3.2445	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	0.9300			
	Short wall	0.4650			
	Floor	1.8495			
		0.1080			
	Total	3.3525			
4	RR Masonry: Providing and laying of RR masonry using size stones with necessary bond stones in CM 1:6. Cost including material, Transport, Loading and unloading, laying, CM and curing etc. complete	14.0000	Cum		
	Long wall	8.3700			
	Short wall	1.9440			
	Partition wall	2.9160			
		0.5400			
	Total	13.7700			



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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 labour, Materials, Mixer machine, Vibrator for compaction, finishing, Curing, all lead and lift and all necessary tools. Complete all as per Engineer's instructions.	1.9000	Cum		
	Slab	0.7125			
	Long wall	0.6975			
	Short wall	0.1620			
	Partition wall	0.2700			
	Total	1.8420			
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	106.8750			
	Beam	98.0000			
	Total	204.8750			
7	Brickwork 230 mm and above with FPS Bricks of class designation 35 (class B) in cement mortar 1:6, staging, raking of joints, curing of bricks before and after, complete in all respect and at all heights for foundation including Material and Labour cost.	13.0000	Cum		



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	Long wall	6.9460			
	Short wall	1.8400			
	Short wall	1.8000			
	Partition wall	0.7728			
	Urinal	0.2760			
	Boys urinal	0.0529			
	Steps	0.1640			
	Steps	0.2852			
	Steps	0.0828			
	Steps	0.0759			
	Steps	0.0386			
	Steps	0.0580			
	Hand wash	0.0633			
	Hand wash	0.3230			
	Hand wash	0.0238			
	Total	12.8022			
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, 1 kg 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 scaffolding, formwork as necessary and curing, complete.	125.0000	Sqm		
	Long wall	31.7100			



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	long wall inner	26.4600			
	Short wall outer	10.5000			
	Short wall inner	33.6000			
	Partition wall	6.7200			
	Steps	1.6000			
	Steps	0.9600			
	Steps	0.7200			
	Steps	0.3300			
	Foundation	4.6000			
	Roof	7.1250			
	Wall top	5.2900			
	Deductions				
	Door	(1.8800)			
		(1.6500)			
	Total	126.0850			
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.	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		



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	Long wall	28.3880			
	long wall inner	11.9700			
	Short wall outer	9.4000			
	Short wall inner	3.8000			
	Short wall inner	12.9600			
	Partition wall	7.6800			
	Foundation	3.4500			
	Wall top	5.2900			
	Deductions				
	Door	(0.9400)			
	Door	(0.4500)			
	Door	(0.9400)			
	Door	(0.4500)			
	Total	80.1580			
11	Providing two coats of Interior primer paint to ceiling as per the specifications mentioned by the manufacturer. Cost includes surface preparation, Formwork, necessary tools and equipment.	5.0000	Sqm		
12	Plumbing and sanitary work				
	Supply and fixing of 3/4" CPVC concealed pipe line with necessary bend, T, Elbow, etc. Cost including all material, necessary tools & equipment and all labour charges, Groove cutting for pipe line and refilling with CM 1:4.	6.0000	Rm		
	Supply and fixing of 4" PVC pipe with necessary bend, T, Elbow, etc. Cost including material, necessary tools and equipment and all labour charges.	6.0000	Rm		
	Supply and 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, complete	2.0000	No.		



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	Supply and fixing of Urinal of Parryware brand / equivalent with necessary fittings. Cost including all material, labour, Transport, loading and unloading and finishing the surface with Cement Mortar, etc., complete	3.0000	No.		
	SS Tap - Parryware supply and fixing	6.0000	No.		
	SS Grating with u trap- supply and fixing	4.0000	No.		
13	Structural Steel work: Supply, Fabrication and erection of structural steels / metal door with one coat primer and two coats of 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 and fixing at all levels. complete all as directed by the engineer in charge				
	Doors - 4 No. 0.75 x 1.85 m	180.0000			
	Total	180.0000	Kg		
14	Floor Tile work: Providing Floor Tiles with best quality EURO or approved equivalent make as mentioned in the approved list, Non-slippery Vetrified tiles of size 300 x 300 mm – 10 mm 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 preparation of base surface, and finished surface, cleaning the surface, and protecting 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	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, Non slippery Vetrified tiles of size 300 x 200 mm – 10 mm 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 surface, cleaning the surface and protecting with Gypsum / POP layer over Plastic sheet and	26	Sam		



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	removing the same before handing over work at all levels etc. complete. Basic price of tiles is Rs.40 per Sq.				
	Toilet Construction	25.7400			
	Total	25.7400			
16	Supply and fixing of size 3' dia x 1.5' depth x 2" thickness. Cost including material, Transport, Loading and unloading, erection of rings in pit, etc. complete	8.0000	No.		
17	Shuttering & Centering work for RCC concrete works. Cost including Material, Transport and material fixing and removing, labour charges	14.2500	Sqm		
18	GI Sheet+structural steels: Supply, Fabrication and erection of Corrugated Galvalume Iron Sheet of 0.5 mm thickness with structural steels of approved brand and colour. Cost including all labour charges, tools and machineries, Screws, Transport, lead and lift etc. complete all as directed	18.9000	Sqm		
	Sub total				
D	Sump Construction		Cum		
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 100 m. 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	15.6587	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.	0.9211	Cum		



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3	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.				
	Bottom slab	1.0415			
	Top slab	0.4447			
	Construction joint	0.1508			
	Total	1.6369	Kg		
4	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.				
	Foundation slab				
	Main rod 12 mm - Bottom	48.5940			
	Main rod 12 mm - Bottom	48.0333			
	Top slab				
	Main rod 12 mm - Bottom	39.7385			
	Main rod 12 mm - Bottom	39.2312			
	Total	175.5970	Cum		



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5	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 and after etc, complete in all respect and at all heights for foundation, including Material and Labour cost .				
	Long wall	1.7750			
	Short wall	1.4200			
	Total	3.1950	Sqm		
6	Tank Inner Plastering: Two coats of plaster for surfaces with base coat having the following Mix and 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, 1 kg 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.				
	Floor	3.7440			
	Ceiling	3.7440			
	Long wall	6.4350			
	Short wall	6.3360			
	Total	20.2590	Sqm		
7	Outer Tank Plastering: 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.				
	Roof slab	5.9290			



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	Long wall	8.5750			
	Short wall	8.4700			
	Total	22.9740	No.		
8	Supply and fixing of man hole cover 2'x2'	1.0000	No.		
9	Supply and fixing of PVC Steps	3.0000	Sqm		
10	Shuttering and Centering work for RCC concrete works. Cost including Material, Transport and material fixing and removing, labour charges				
	Ceiling	3.7440			
	Sides	0.7305			
	Total	4.4745	Sqm		
	Sub total				
E	Building painting and art work				
1	Art work: Providing Oil based Art work of approved object and colour with two coats of enamel painting of approved colour and brand over a coat of primer. Cost including preparation of surface with necessary tools, all labour charges, Transport.				
		108.9			
		22.5			
		99			
		22.5			
	Total	252.9	Sqm		
2	School Name board writing: Writing School Name board on a wall in Tamil / English / Kannada / Telugu as per Government 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.	18	Sqm		



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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 and Wedgewood 0U42 - below sill level)				
	Building 1	226			
		58.08			
	Deduct joineries	-13.5			
		-5.4			
		-6.3			
		-25.68			
		233.2	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	126.63			
		29.96			
	Total	156.59	Sqm		
5	Enamel Painting: Providing two coats of Enamel paint (0U42 Wedgewood) to steel doors and 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	70.2			
	Black board	18			
	Black board	64.8			
	Black board	18			
	Joineries				
	Window1	54			
	Window 2	21.6			
	Door	25.2			
		271.8	Sqm		



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	Sub total				
F	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	6.0000	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.	1.1500	Cum		
3	Brickwork 230 mm and above with FPS Bricks of class designation 35 (class B) in cement mortar 1:6, staging, raking of joints, curing of bricks before and after etc, complete in all respect and at all heights for foundation, including Material and Labour cost.	2.0125	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.	17.5000	Sqm		
6	Providing sand filling (M-Sand) for basement of Paver block works with necessary compaction and laying. Cost including material, Transport, all lead and lift, Water for compaction , Levelling, etc.	2.5000	Cum		
7	Supply and fixing of 60 mm thick paver block of approved shape and colour with proper compaction through Earth rammer. Cost includes transport, Loading/unloading, lead and lift.	30	Sqm		



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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 cleaned before painting. The painting must be done as per manufacturer's specification (Ivory 0315 - Above sill level & Wedgewood 0U42 - below sill level)	17.5000	Sqm		
G	Drinking water supply				
1	1000 ltr PVC Tank: Supply and fixing of triple layer PVC Tank of approved brand with necessary tank nipples / connectors for inlet, outlet and over flow. Cost including material, Labour charges, Transport, loading and unloading etc.	1.0000	No.		
2	Supply and fixing of 1" CPVC pipe with necessary bend, T, Elbow, etc. Cost including material, necessary tools and equipment and all labour charges.		RM		
	Panchayat line to sump	12.0000			
	Sump to OHT	18.0000			
	Total	30.0000			
3	Supply and fixing of 3/4" CPVC pipe with necessary bend, T, Elbow, etc. Cost includes material, necessary tools and equipment and all labour charges.		RM		
	OHT to toilet, handwash	40.0000			
	Total	40.0000			
4	Supply and fixing of SS Taps of Parryware / any equivalent make.	3.0000	No.		
5	Supply and fixing of 0.5 HP Texmo motor	1.0000	No.		
6	Electrical work for texmo motor	1.0000	LS		
7	Supply and fixing of foot valve for sump motor	1.0000	LS		
8	Supply and fixing of 1" CPVC Gate valve of supreme/any equivalent brand	2.0000	No.		



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9	supply and fixing of 3/4" CPVC Gate valve of supreme/ any equivalent brand	2.0000	No.		
10	Earthwork Excavation and back filling in all types of soil upto 1.50 m 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	2.7000			
	Total	2.7000			
	Sub total				
H	Electrical works				
1	LED Tube light (Phillips) - supply	18.0000	No.		
2	9W LED bulb (Phillips) - Supply	6.0000	No.		
3	Bulkhead lamp	3.0000	No.		
4	RCCB	1.0000	No.		
5	6A Switches	18.0000	No.		
6	Indicator	3.0000	No.		
7	8M Switch box	3.0000	No.		
8	16A 5pin Socket with switch	3.0000	No.		
9	2.5 Cr cable	1.0000	Coil		
10	1.5 Cr cable	1.0000	Coil		
11	PVC pipe	30.0000	length		
12	other Fittings, Screws, clamp, elbow, bend	1.0000	LS		
13	Labour charges	-			
	Electrician	6.0000	Day		
	Helper	6.0000	Day		
	Sub total				



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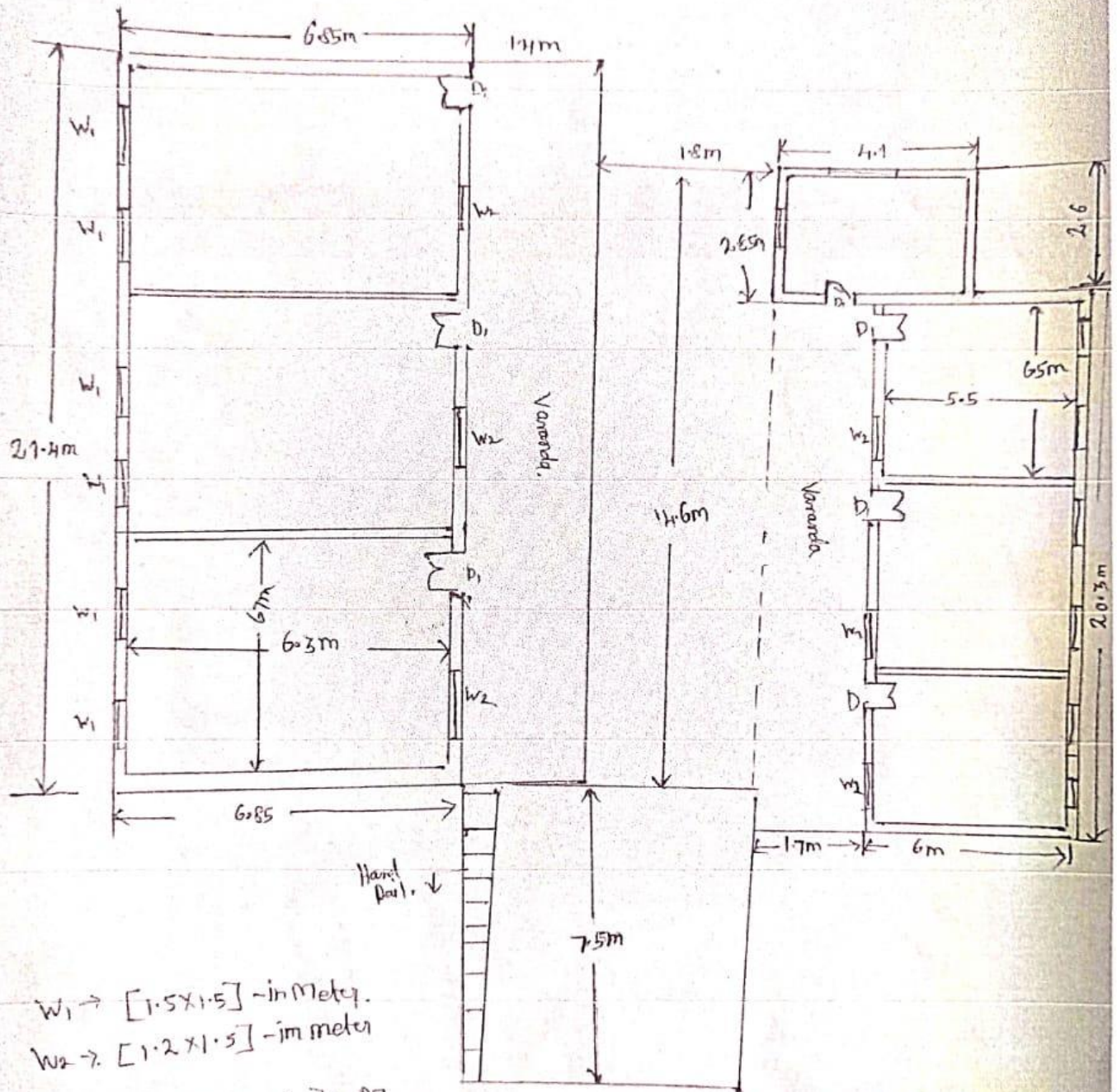
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Sulabhatta School - Line Plan.



$W_1 \rightarrow [1.5 \times 1.5]$ - in Meter.

$W_2 \rightarrow [1.2 \times 1.5]$ - in meter

Sun Shade $\rightarrow [2 \times 0.65]$ in M.

h in Meter.



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Sulabha's Plan - outline

