

Tele : 0532-2420772
E-mail : armyschoolalld@gmail.com

Army Public School
New Cantt Allahabad-211 001

5077/Activity Room

23 Dec 21

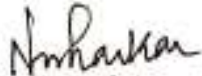
M/S -----

INVITATION OF TENDER

**CONSTRUCTION OF ONE ACTIVITY ROOM WITH VERANDAH OF SINGLE
STORY (PUFF WALL - SHEET ROOFING) AT ARMY PUBLIC SCHOOL, NEW
CANTT, ALLAHABAD**

1. You are invited by the Management of Army Public School, Allahabad to submit Tender for the above-mentioned work described in the accompanying documents.
2. Your tender duly completed may be put in the tender box kept in school administrative block on or before **13 Jan 2022 (17:30 hours)** together with all relevant documents sealed in an envelope duly quoted your rates.
3. The following documents are included with this tender invitation: -
 - (a) Part I – General Information about the Tender
 - (b) Part II- Technical Bid
 - (c) Part III- Price Bid
 - (d) Part IV- Terms and Conditions
 - (e) Part V- Specifications of Building Work.
 - (f) Part VI- Drawing
4. The management Army Public school, Allahabad doesn't bind itself to accept the lowest nor any tender and may cancel tendering process at any time.
5. Wherever there is difference between specifications and drawings, specifications will supersede the drawings.

Signature of Contractor

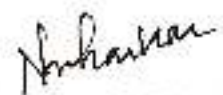

Signature of Principal
Army Public School
New Cantt, Allahabad

Principal
Army Public School
New Cantt, Allahabad

PART I – GENERAL INFORMATION ABOUT THE TENDER

S.No.	Tender for the work of	Construction of One activity room with verandah (single story puff sheet roofing) at Army Public School, Allahabad, Size 60 x 25 ft. Verandah Size 30 x 7 ft.
1	Earnest Money Deposited	Rs. 48,000/- (Refundable). Bank draft to be made in favour of Army Public School New Cantt, Allahabad. To be enclosed with technical tender documents
2	Date of Issue of Tender	23 Dec 2021 to 13 Jan 2022
3	Last Date of Receipt of Tender	13 Jan 2022 by 17:30 hrs
4	This Tender Contains	18 pages and Drawings two Nos and scope of works – three pages
5	Time allotted for work	30 days from date of placing of work order.
6	Site of the Work	Army Public School, New Cantt, Allahabad.
7	Tender cost	Rs 500/- not refundable. Bank draft to be made in favour of Army Public School New Cantt, Allahabad. To be enclosed with technical tender documents. Tender cost may be deposited in cash with School Bank Account. Cash will not be accepted by school in any circumstances

Signature of Contractor


Signature of Principal
Army Public School
New Cantt. Allahabad

Principal
Army Public School
New Cantt. Allahabad

- Name of The Firm :
- 2 Address Of The Head/ Registerd / Branch Office :
- 3 Phone NO :
- 4 FAX NO. :
- 5 Mobile NO. :
- 6 PAN NO. : (Enclose Proof)
- 7 GSTN NO. : (Enclose copy of GSTN No. Registration)
- 8 Registered with govt. Agencies : (Enclose Proof)
- 9 Your Bank Account NO. :
- 10 Name & Address Of Bank :
- 11 Category of Trade :
- 12 Name of The Partners / Proprietor :
- 13 Experience In Years In The Respective Trade :
- (Attach work orders executed in past two years)
- 14 Single Work Order During The Last Two Financial Years :
- 15 Payment Details (Earnest Money) : DRAFT No DATE.....
AMOUNT
ISSUING BANK NAME AND BRANCH

CERTIFICATE

In consideration of my being contractor, I hereby agree that I shall not withdraw, amend or attach any conditions to my tenders submitted to the school authorities before **30 DAYS** from the date of issuing work order. Said tenders of acceptance, and I do so, the Principal Army Public School, Allahabad shall be entitled to forfeit our earnest money deposit along with the tender and remove us from the school work contract without prejudice to any other right or remedy by school for such breach on our part.

DECLARATION

I (Proprietor/ Partner/Manager) do here by declare that the entire declaration made in the application form is true to the best of my knowledge. [NOTE :- If there any changes in the construction of working of firm, the affecting accuracy of the answer now given, should be promptly communicated to The Principal, Army Public School, Allahabad.

Signature of Contractor
With rubber stamp

Place :

Date :

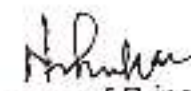
PART II – TECHNICAL SPECIFICATIONS

CONSTRUCTION OF ONE ACTIVITY ROOM OF SINGLE STORY (SHEET ROOFING) AT ARMY PUBLIC SCHOOL, NEW CANTT, ALLAHABAD

S.No.	ITEMS OF WORKS
1	Excavation of foundation trenches of required size and shape with all tools and plants for proper completion of work as per the drawing, details & specification.
2	Providing & applying ante termite treatment in foundation trenches, Plinth, Apron etc. as per the drawing, details & specification by the Architect.
3	Providing & Preparation of foundation bed of required size and shape in PCC 1:4:8 type D-2 (1 Cement: 4 coarse sands: 8 – 40 mm size stone Aggregate) as per the drawing, details & specification.
4	Providing and cutting bending and placing fixing of all types of mild steel TMT reinforcement bars for foundation, columns, all types of beams etc. as per the drawing, details & specification.
5	Providing and casting of 40 mm thick D.P.C. with recommended water proof chemical in PCC 1:2:4 type B-0 as per the drawing, details & specification, as applicable.
6	Providing, Preparation and casting of all type of R.C.C. work in M-25 concrete (design mix) for the foundations, Beams, Columns, Slabs, Chajjas etc. with all tools and plants for proper completion of work, as per the drawing, details, direction and specification, as applicable.
7	Providing and fixing mild steel angle 40X40X6 mm door frame with 35mm thick waterproof ISI marked flush door of approved brand with all fixture and fasteners as per the drawing, details, direction and specification.
8	
9	Providing and fixing windows of sliding type made of Color Coated Galvanized Steel or color Coated Aluminum Windows with 8mm thick square bar mild steel or aluminum grill. and 5mm thick clear transparent glass fixed and stainless-steel fly/mosquito proof jail as per the drawing, details, direction and specification.
10	Supply and fixing of 35 mm thick factory-made standard quality (ISI) flush doors with complete iron fittings of ISI marked heavy quality.
11	Providing, preparation and fixing all types of form work, shuttering, scaffolding, centering with required tools, plants and shuttering material for proper completion of work as per the drawing, details, direction and specification as applicable

Signature of Contractor

Principal


Signature of Principal

Army Public School

12	Providing and plastering in CM 1:4 cement & sand mortar plaster work in interior, columns, beams with all tools & plants for proper completion of work as per the drawing, details, direction and details specification , as applicable.
13	<p>(a) 52 mm thick cement concrete flooring DIVIDING WITH 40 mm wide glass strips, concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix: 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete. as per the drawing, details, direction and details specification , as applicable.</p> <p>(b) Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement: 3 coarse sand), finished with a floating coat of neat cement. as per the drawing, details, direction and details specification , as applicable.</p>
14	<p>(a) Fabrication, Supply & Fixing truss work/ m.s. pipe as per design, purlins, rafters and trusses complete with priming ; painting and fixing all complete.</p> <p>(b) Supply and fixing of color coated Aluminum -Zinc Alloy coated steel (Aluminum -around 55% & Zinc -43%) rib profile sheets of 0.50 mm thick (TCT) having effective width 1000 mm +/- 10 mm, crest 25-32 mm and 200-250 mm pitch C/c with male female side laps and anti siphoning features at male end, minimum Yield strength 550 MPA and confirming standards AS 1397 , ASTM A 792 in approved color and make including accessories such as Gutter Flashing, ridge pieces, barge boards, Crimped curves and with xylon coated self-tapping / self-drilling screws with EPDM washers etc., all works complete as per drawings, specifications and instructions of Engineer in charge . Rate includes cost of all materials against supply, Carriage Erection, Installation for roofing at all heights up to 13.00 m above from Ground level, labor, tools & plants and all other incidental charges etc. complete. (Payment will be done on covered area basis)as per the design, drawing, direction and details specification , as applicable.</p>
15	<p>(a) Fixing of Electrical Fans, Tube lights, or other Light fixtures of standard quality make- Havel's, Orient, Bajaj as per approved by the Architect and as per the electrical design, details, direction and detailed specification. Appliances will be provided by the contractor , as applicable.</p> <p>(b) Providing and fixing of electrical Concealed 25mm dia P.V.C. conduits in slab, walls for electrical circuit wiring as per the electrical design, details, direction and details specification , as applicable.</p> <p>(c) Providing and fixing of modular switch board boxes of approved size, shape and make at required location with proper finishing as per the electrical design, details, direction and details specification, as applicable.</p> <p>(d) Providing, fixing and laying of modular electrical switch and multi strand cooper wiring of approved make-Havel's, RR cable, or standard, design, color and size as per electrical design, details, and directions and detail specification , as applicable.</p> <p>(e) Providing laying, connection distribution board with outdoor main electrical supply as per electrical design, details, and directions and detail specification, as applicable.</p> <p>(e) Providing 3 phase electrical connection from overhead main line.</p>

Signature of Contractor

Principal -- *N. S. S. S.*
Signature of Principal
Army Public School

7

PART III – PRICE BID

CONSTRUCTION OF ONE ACTIVITY ROOM WITH VERANDAH OF SINGLE STORY (PUFF WALL - SHEET ROOFING) AT ARMY PUBLIC SCHOOL, NEW CANTT. ALLAHABAD

S.No.	PARTICULARS	UNIT	NO OF UNIT REQUIRED	RATE PER UNIT	TOTAL AMOUNT
1	Construction of One Activity room with verandah of single story (Sheet Roofing and Gypsum False ceiling) at Army Public School, Allahabad as per details and specifications shown in the drawings. Size of each room 60 x 25 ft. Verandah size 30 ft x 7 ft.	1 Job	1		

Defect Liability Period:-

1. The defect liability period for the job is **one year** from date of completion of work. The Contractor shall be liable to repair any defect noticed during defect liability period without payment of any extra cost to school. The Contractor shall be responsible to attend the defect within 15 days from notice given in writing, failing which the defects will be rectified through another agency at the risk and cost of the Contractor and amount recovered from the Performance Guarantee.

2. 5% of the total contract amount will be kept as performance Guarantee and will be paid after defect liability period after checking by a Board of Officers.

Signature of Contractor


Signature of Principal
Army Public School
New Cantt, Allahabad

PART - IV

TERMS AND CONDITIONS

(GENERAL INFORMATION, INSTRUCTIONS AND CONDITIONS APPLIED)

1. Last date and time for depositing this Tender is **13 Jan 2022 by 1730 Hrs.** Tender Bids received after this date and time even by post/ courier will not be entertained.
2. Sealed Bids by authorized contractor should be dropped in the Tender Box. No. responsibility will be taken for postal delay or non-delivery/ non receipt of Bid documents. Bid sent by FAX or e-mail will not be considered. If the tenderer withdraws the tender before the said period or issue of letter of acceptance whichever is earlier or makes modifications in the terms & Condition of the tender which are not acceptable to the competent authority then the competent authority will be at liberty to forfeit 50% of the said earnest money.
3. Location of the Tender Box : Principal's Office Corridor.
4. Forwarding of Bids: - Bids should be forwarded by contractors on the prescribed format attached with the tender separately as technical and price bids. The technical bid should include the following details: -
 - (a) Technical Specifications.
 - (b) GSTN Number.
 - (c) Bank Account No.
 - (d) Bank Address
 - (e) Complete Postal Address of Office.
 - (f) Office Landline and Mobile Phone Nos.
 - (g) E-mail Address of office (Optional).
5. Rejection of Bids. Canvassing by the Contractors in any form, Unsolicited letter and post tender correction may invoke summary rejection with forfeiture of Earnest Money Deposit(EMD) conditional tenders will be rejected.
6. Validity of Bids. The Bids should remain valid for 90 days from the date of submission of bids.
7. Earnest Money Deposit: The tenderers' have to submit **Rs 48,000/-** in the form of Bank Draft in favor of "ARMY PUBLIC SCHOOL, NEW CANTT, ALLAHABAD" payable at Allahabad as EMD. The unsuccessful Contractors will be returned to them without any interest at the earliest on or before the 30th day after the award of the contract.
8. Architectural, structural drawings and consultancy charges will be deducted from the contractor's payment @ 3.0 % of total cost of project. These charges will be deducted from each bill of the contractor.
9. All the Tax will be deducted at the time of any payments as per defined/ eligible tax rate and authority will give proper documents of depositing the same amount to contractor/ suppliers.
10. The tenderers have to quote their rates both in figures and words. The rates quoted in the tender should be inclusive of all freight, taxes, service tax, GST and other incidental charges if any (i.e. F.O.R. School campus). **In case of variation of quotes in words and figures, quote mentioned in words will be final.**

10. Every page of the tender should be signed (full signature) and rubber stamped by the tenderer. It should also be signed wherever there is overwriting and cutting.
11. All works services will be according to specification as per tender paper or subject to approval by the Board of Officers.
12. The successful contractor is solely responsible for the materials and labor necessary for the completion of work.
13. The Contractor is responsible for periodic cleaning of the site during the construction process and removal of all construction material and debris at all time necessary, during and at the end of construction period.
- 14. The Contractor is responsible for ensuring all safety and security measure to be adhered to on site during the construction process including the safety of all students, staff and workmen along with the security of the site. Contractor will ensure that necessary screens are erected at work site to segregate the construction area from the school premises.**
15. The Contractor is required to ensure that measures are put in place to mitigate against all potential social and environmental impacts that can arise as a result of the use of equipment's and machinery associated with the construction of the project. **Covid 19 Protocols will be strictly followed.**
16. The Contractor shall be deemed to have examined al documents, conditions of contract and to have acquainted himself with the detailed descriptions of the work to be done and the way in which they are to be carried out.
17. The Contractor shall be deemed to have visited the site before preparing his tender and to have examined for himself the conditions under which the works will process and all other matters affecting the carrying out the work and cost thereof.
18. The Contractor will maintain records of minimum wages to their labour any dispute in this regard will be dealt with directly by him and not by the school.
19. The tender forms will be issued to the interested parties only after receipt of application for issue of tender from Contractor and after satisfying the credentials of the person/ party.
20. **The construction work should be completed within 30 days** from the date of placing of work order. The counting will start from the first after giving work order.
21. In case the work is not completed within the stipulated time frame, liquidated charges at the rate of 1% per week will be imposed on the Contractor subject to maximum of 10% of contract value. This amount will be adjusted from the bill of the Contractor.
22. The competent authority doesn't bind to accept the lowest or any other tender and reserves right to reject any or all the tenders received without the assignment of a person.
23. The Contractor shall submit minimum four progress report during the execution of work. This report shall be prepared in direct relation to the time stated in the contract documents for completion of items of work. A separate report will be given by the Contractor be made in writing by the Contractor.

Signature of Contractor

Principal
Signature of Principal
Army Public School

Contractor will depute a Technical Representative on full-time basis having minimum qualification of Diploma holder in Civil Engineering with minimum 05 years of experience in building works. In the event of non-fulfilling the condition, recovery shall be made from the contractor of Rs.15,000/- (Rupees Fifteenthousand only) per month.

25. **Terms of Payments :-**

(a) 15% of total contract amount will be paid after completion of Plinth beam including all foundation work and earth filling of ground floor.

(b) 15% of total contract amount will be paid after completion of work up to roof level including erection of columns, Brick work etc of Ground Floor.

(c) 25% of total contract amount will be paid after completion of Sheet roofing work including fabrication of truss etc

(d) 25% of total contract amount will be paid after completion of flooring, plastering, electrification, fitment of windows & doors, water supply etc.

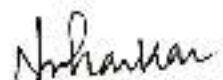
(e) 10% of total contract amount will be paid after completion of all works including lighting, finishing like painting, white washing etc.

(f) 5% of total contract amount will be paid after checking and satisfactory report by BOO during taking over of building.

(g) Balance 5% of total contract amount shall be paid after completion of defect liability period of contract i.e. one year after successful completion of the work and rectification of defects if noticed during the defect liability period.

26. **In case of any dispute, the decision given by the Management /Principal will be final and binding.**

Signature of Contractor


Signature of Principal
Arjun Public School
New Cantonment, Allahabad
New Cantonment, Allahabad

PART V--DETAILED SPECIFICATIONS OF BUILDING WORK

Earth Work

- (a) All layout work with proper bench marking of center lines of columns.
- (b) Excavation of earth for trenches to construct footing as per details and size and refilling of trenches with excavated earth.
- (c) Anti-termite in foundation before preparation of foundation bed.
- (d) Earth filling of plinth floor area and deep watering, compaction, Leveling etc.

2. Anti Termite Treatment

(a) Providing and injecting chemical emulsion for constructional anti-termite treatment and creating a chemical barrier under and all-around the column pit, walls trenches, excavation top surface of plinth filling junction wall and floor along the external perimeter of binding expansion joints, surrounding of pipes and conduit etc.

(b) Chlorpyrifos solution shall be used in 1:19 mix proportion (1 Liter Chemical:19 Liter water) in foundation trenches, plinth floor area, apron all around the building etc. as per detail and direction.

(c) 5 liters of chlorpyrifos solution in per Sq.m. area of foundation and 7.5 liters of chlorpyrifos per sq.m. of Plinth floor area shall be used.

3. Foundation Base 150 mm thick foundation base in P.C.C. 1 : 4: 8 type D-2 (1 cement : 4 course sand : 8 graded stone aggregate 40mm nominal size stone ballast) in trenches, well compacted.

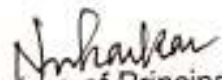
4. R.C.C. Work & Sheet Roofing

(a) The foundation, columns, all level beams, etc. shall be of R.C.C. The design mix of concrete shall be M -25(design mix) and as per the details and direction.

(b) Material used in R.C.C. foundation, column, all level beams, Slabs, chajjas and other places shall be approved by the Architect or Engineer-in-Charge.

(c) The mix proportion of cement, coarse sand, Aggregate for R.C.C. works shall be M -25(design mix) and as per design details and direction.

Signature of Contractor

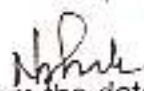

Signature of Principal
Army Public School
New Cantt, Allahabad

Principal
Army
New

- (d) Mechanical mixture machine and vibrator shall be used for any type and quantity of R.C.C. work at any level.
- (e) The P.P.C. cement of approved make shall be used confirming all IS Code. Make of Cement : ACC/JP/Birla
- (f) Provide form work and plywood shuttering for R.C.C. columns, slabs and beams as per design, details and direction.
- (g) The T.M.T. mild steel bars shall be used in R.C.C. work confirming all I.S. Codes.
- (h) Providing binding, bending, cutting, placing, lifting of all type of mild steel reinforcement for R.C.C. or other work.
- (j) Make and size of mild steel reinforcement used for R.C.C. or other work shall be approved by Architect or Engineer in charge, confirming all IS code.
- (k) Proper water curing of all R.C.C. work up to seven days from the date of casting regularly.
- (l) Quality of course sand and 20 mm size granite quartz aggregate shall be used as approved by Architect or Engineer Incharge.
- (m) Fabrication, Supply & Fixing truss work/ m.s. pipe as per design, purlins, rafters and trusses will be ISI mark M.S.members with priming , painting and fixing all complete **per the design, drawing, direction and details specification..**
- (n) Supply and fixing of color coated Aluminum –Zinc Alloy coated steel (Aluminum –around 55% & Zinc -43%) rib profile sheets of 0.50 mm thick (TCT) having effective width 1000 mm +/- 10 mm, crest 25-32 mm and 200-250 mm pitch C/c with male female side laps and anti-siphoning features at male end, minimum Yield strength 550 MPA and confirming standards AS 1397 , ASTM A 792 in approved color and make including accessories such as Gutter Flashing, ridge pieces, barge boards, Crimped curves and with nylon coated self tapping / self drilling screws with EPDM washers etc.All works will be completed as per drawings, specifications and instructions of Engineer in charge/Architect. Rate includes cost of all materials against supply, Carriage Erection, Installation for roofing at all heights upto max 8.00 m above from Ground level including labor, tools & plants and all other incidental charges etc complete **as per the design, drawing, direction and details specification.**

5. Brick Work in Foundation, Plinth and Super Structure etc.

- (a) Provide and constructed 230 mm thick brick wall in 1: 6 cement, medium sand, mix mortar with first class locally available bricks in foundation, plinth wall in super structure wall etc. as per details and direction.
- (b) Provide and constructed 115mm thick (4.5") brick work in 1: 4 cement, medium sand mortar in super structure with 2 nos. 6mm dia MS bars at every 8 coarse of brick work, as per details and direction.
- (c) Provide and prepare all type of scaffolding work and other tools and plants for proper completion for brick work as per direction.
- (d) Proper water curing all type of brick masonry work up to seven days from the date of construction


 Principal
 An
 B

6. **Plastering Work**

- (a) 15 mm thick cement sand plastering work on walls ceiling, beams, columns etc inside and outside of the building as per direction.
- (b) Provide 10 mm wide groove in plaster at every joints of beam, slab and columns with brick work.
- (c) All the plaster edges shall be in plumb line and sharp.
- (d) Plastering on ceiling and external exposed surface shall be in 1:4 cement, medium sand mortar mix as per specified thickness.
- (e) Internal plastering shall be in 1:4 cement, medium sand mix mortar as per specified thickness.

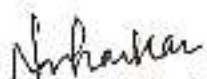
7. **Form Work, Shuttering, Centering, Scaffolding Work.**

- (a) Provide, prepare all type of plywood/ steel form work for R.C.C. columns, footings, etc , **as applicable.**
- (b) Provide and prepare all type of scaffolding for all type of work as per requirement and direction , **as applicable.**

8. **Damp Proof Course**

- (a) Provide and construct 40 mm thick D.P.C. on entire top surface of plinth beam and wall with recommended water proof chemical as per detail and direction.
- (b) The damp proof coarse shall be casted with P.C.C. 1:2:4 type B-O concrete mix using 12.5 mm size stone aggregate.
- (c) The water proof chemical used for D.P.C. shall be confirm IS code and the proportion or dosage of chemical as described by make or brand.
- (d) The make or brand of water proof chemical shall be as per direction of Architect or Engineer In charge. Make : Ace proof/ Ace/ Impermo

Signature of Contractor


Signature of Principal
Army Public School,
New Cantt Allahabad

Principal
Army Public School
New Cantt Allahabad

Walls

(a) Up to Plinth. Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure upto plinth level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand), **as applicable**.

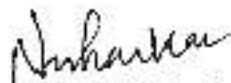
(b) Puff Panel Wall. Providing and fixing in position, 60 mm thick factory made sandwiched puff panels between two Engineered sheets of pre coated profiles sheet of 0.45 mm (+ 0.05 %) with plain on both the sides total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation. The sand witch panel core shall consist of 50 mm thick puff of density not less than 40 kg/ per cum(+/-2). Fixing operations of wall panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge, **as applicable**.

10. Flooring and Skirting Work

(a) Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colors and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm. **as per the drawing, details, direction and details specification, as applicable**.

(b) Vitrified Tiles skirting up to 15 cm height as above in flooring. **as per the drawing, details, direction and details specification, as applicable**.

Signature of Contractor


Signature of Principal
Army Public School
New Cantt, Allahabad

Principal
Army Public School
New Cantt, Allahabad

11. False Ceiling Work

- (a) Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge, **as applicable**.
- (b) 12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fiber conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non-woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing , **as applicable**.

12. DOORS, WINDOWS AND MILD STEEL GRILL AND RAILING

- (a) All door frames shall be made of mild steel angle section 40 mm x 40 mm x 6 mm or as per details and design.

Provide and fixing 35 mm thick Boiling water proof ISI Marked flush door with all fixtures and accessories of heavy quality approved make, size, shape, design, color and confirming IS code and priming painting both sides complete **as per the drawing, details, direction and details specification, as applicable**.

- (b) Providing and fixing in position three track aluminum window of extruded modular and anodized approved colour, shade and finish aluminum sections of Jindal or equivalent approved make and of size 92mmx31.75mmx1.9mm thk (wt1.336kg/Rm) for bottom and 92mmx31.75mmx1.9mm thk. (wt1.174kg/Rm) for top The shutter comprising of bearing bottom and top of size 48mmx20mmx1.30mmthk (wt.0.539Kg/Rm) Interlocking section of size 50mmx29mmx 1.28mmthk. (Wt0.594kg /Rm) and hand sides of 50mm x 20mm x 1.50mmthk (wt.0.571kg/Rm) with 5mm thick Clear plain glass of Saint Gobain/ Asahi make fixed in shutter including approved quality neoprene gasket, fixtures, fastenings and accessories like PVC taffon bearing of MITI or Approved Make, 6" Star locks etc. Stainless steel screws, complete as directed by Engineer-in-charge, **as applicable**.

- (c) Additional Shutter for mosquito net the shutter comprising of bearing bottom and top of size 48mmx20mmx1.30mmthk (wt.0.539Kg/Rm) Interlocking section of size 50mmx29mmx 1.28mmthk. (Wt0.594kg /Rm) and hand sides of 50mm x 20mm x 1.50mmthk (wt.0.571kg/Rm). Stainless steel Aries Net. U Channel 8mm X 8mm for Fixing Net

13. **Painting Work.** All Material use in painting work shall be of approved make, shade, colour, texture and confirming IS code , **as applicable.**

(a) **In Internal Surface**

(i) Providing and painting one coat of white cement of J.K. white cement or Birla white cement on wall and Ceiling surface as a Primer coat use 3.84 kg white cement for per 10 Sq.m. of surface including supply all tools plants etc for proper completion of work, **as applicable.**

(ii) Providing and applying **Birla white or J.K. white wall care make putty** on wall and Ceiling surface in two coats including rubbing and smoothing the surface properly to make in uniform and even including supply of all tools and plants for proper completion of work, **as applicable.**

(iii) Providing and painting one coat of primer over the putty finished surface.

(iv) Providing and painting in two coats oil bound distemper over the wall and ceiling surface, of approved brand, colour, shade confirming IS code, as per detail and direction of Architect or Engineer In charge. , **as applicable.**

(c) **In External Surface**

(i) Providing and painting one coat of white cement of J.K. white cement or Birla white cement as a Primer coat use 3.84 kg white cement for per 10 Sq.m. of surface including supply all tools plants etc for proper completion of work, **as applicable.**

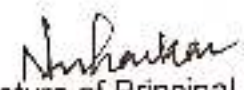
(ii) Providing and painting of all exterior wall surfaces, etc with exterior emulsion paint as Apex Ultima or Equivalent and all interior wall surface ceiling with all interior wall surface & ceiling with Oil bound distemper of approved color, shade, and texture with all tools plants etc for proper completion of work as **per details, design, pattern, directions and detail specification, as applicable.**

(iii) Provide and painting with two coat synthetic enamel paint over one coat red oxide primer on all structural steel members, truss or where ever provided of approved make and colour etc. As per direction, **as applicable.**

(iv) Providing and painting Asian Paint or Nerolac Made enamel paint of approved colour and shad in two coats on all structural steel members, window grill and truss etc. as per details and design, **as applicable.**

(v) Providing and painting Asian paint or Nerolac made wood primer and enamel paint in two coats of approved colour, shad as per details and direction, **as applicable.**

Signature of Contractor

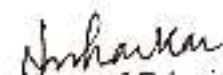

Signature of Principal
Army Public School
New Cantt. Allahabad



14. Electrical Work

- (a) All material used for electrical work shall confirming the IS code.
- (b) Providing, laying and fixing of Electrical fan boxes and P.V.C. 25mm dia. Electrical concealed conduits in slab and walls of approved make as per the electrical design details and direction and confirming IS code , **as applicable.**
- (c) Providing and fixing of electrical 25mm dia. P.V.C. conduits in wall for concealed electrical circuit wiring as per the details and direction. The P.V.C. pipe shall be of approved make and confirming IS code , **as applicable.**
- (d) Providing and laying copper wiring in electrical circuit of approved make and size confirming IS code, **as applicable :-**
- (i) All light and fan circuit wiring shall be with 1.5 Sq.mm. multistrand copper wire and 1.5 Sq.mm. copper earth wire. The wire shall be of approved make and confirming IS code.
- (ii) All power point circuit wiring shall be with 2.5 Sq.mm. multistrand copper wire and 1.5 sq.mm. multistoried copper earth wire. The wire shall be of approved make and confirming IS code.
- (iii) Providing and fixing 5amp., 15 amp electrical switches and socket in circuits of approved make design, shape, colour and confirming I.S. code.
- (iv) The location and numbers of switches boards, power points, tube light points, fan points etc shall be as per details drawing and direction.
- (e) Providing, fixing and making distribution board for electrical supply to all circuits with using M.C.B. & E.C.B. etc. of approved make confirming IS code.
- (f) The electrical fixtures and accessories like tube light, ceiling fans etc. are included in the quoted rate.
- (g) Providing laying, electrical connection to distribution board with outdoor main electrical supply.
- (h) Providing and fixing 12 Nos of ceiling fan of ISI Brand, Bajaj, Havel, Crompton etc.

Signature of Contractor


 Signature of Principal
 Army Public School
 New Cantt, Allahabad
Principal
 Army Public School
 New Cantt, Allahabad

15. **Plinth Protection.** Provide and construct 750 mm wide and 75 mm thick P.C.C. 1:2:4 type B -2 Bed as plinth protection over the 100 mm thick P.C.C. 1:4:8 type D -2 (1 Cement :4 Course Sand : 8 – 40 mm stone ballast) bed, as per details and direction all around the building.

16. **Approach Path**

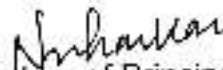
(a) Providing and laying 3 meters wide with 60 mm thick M-35 grade interlocking tiles approach path over 100 mm thick PCC 1:4:8 type D -2 base at both end of building connected to inside campus road.

(b) The make design, colour, shape, pattern of Interlocking tiles shall be approved by Architect or Engineer in charge and confirming I.S. Code.

17. **Drawing and Design Charges.** Architectural, structural drawings and consultancy charges will be deducted from the contractor's payment @3.0% of total cost of project plus GST as applicable.

18. **Testing Charges.** All testing charges for brick, cement, material, design mix etc shall be paid by the Contractor without any extra cost to school.


Signature of Contractor


Signature of Principal
Army Public School
New Cantt, Allahabad
Principal
Army Public School
New Cantt., Allahabad

PART VI -DRAWING OF THE TWO ACTIVITY ROOMS.

Attached Drawings two Nos (Ser 01 to 4) and scope of works three pages.

Signature of Contractor


Signature of Principal
Army Public School,
New Cantt Allahabad
Date : 23 Dec 21

Principal
Army Public School
New Cantt, Allahabad

PROJECT: REPAIR AND MAINTENANCE OF
 ARMY SCHOOL, CANNI, BILAHAI

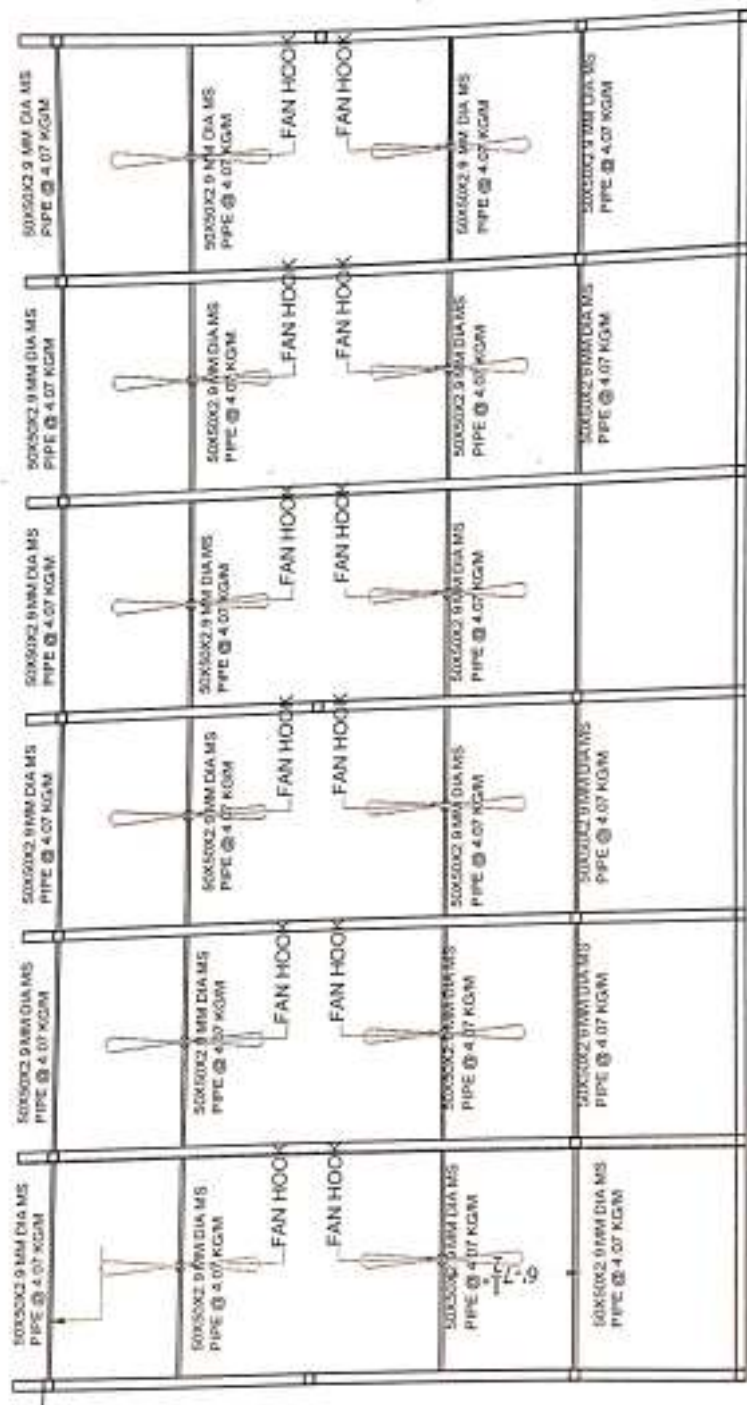
General Notes:-

1. Contractors shall be responsible for all work shown on this drawing.
2. Any addition or deletion to the work shall be in accordance with the approved drawings.
3. This drawing is to be used for the purpose of the contract only.
4. Drawings are not to be used for any other purpose without the written consent of the Engineer.
5. All dimensions are in meters unless otherwise stated.
6. All work shall be done in accordance with the specifications of the relevant codes of practice.
7. All materials shall be of the best quality and shall be approved by the Engineer.
8. All work shall be done in accordance with the approved drawings.
9. All work shall be done in accordance with the approved drawings.
10. All work shall be done in accordance with the approved drawings.
11. All work shall be done in accordance with the approved drawings.
12. All work shall be done in accordance with the approved drawings.
13. All work shall be done in accordance with the approved drawings.
14. All work shall be done in accordance with the approved drawings.
15. All work shall be done in accordance with the approved drawings.

NO.	DESCRIPTION	QTY	UNIT
1	FAN SUSPENDER		
2			
3			
4			
5			

STRUCTURE: TYP
 Er. Anur Kuma
 M.E. (Structural)
 ARPIT DESI
 ARCHITECT
 10/10, VISHVAKARMA
 BANGALORE, KARNATAKA

DATE	DESCRIPTION



PLAN SHOWING ME MEMBER FOR FAN HOOK

Anur Kuma
 Anur Kuma
 10/10, VISHVAKARMA
 BANGALORE, KARNATAKA

DRAWING NO. - 04