


**SPECIFICATIONS FOR FURNITURES, RACKS AND LECTURE  
STAND FOR SCHOOL LIBRARY**

S No	Item	Qty	Description
1.	LIBRARY SLIDING BOOK SHELFs	Complete work	Overall size: length : 3300mm, height : 2400mm and depth : 350mm Carcass made up of Hdh mr with 0.72mm liner pasted on hotpress with the use of D3 glue of marine grade. Edges to be edgeband with 1.3mm tape fixed with glue. Shutters in aluminium profile of glass finish of 6mm. Sliding channel with double profile track on top and bottom. Profile lighting of 19mm groove inside the wardrobe
2	Reading tables(hexagonal	01	4ftx4ft(metal base with wooden top )
3	Chairs	01	14 inchx14 inch(total height 24 inch)plastic/wooden

Note :- 1. 10% payment will be deducted for non supply of items within stipulated time.

2. 03 to 05 years warranty.

3. Price negotiation will be carry by the School.

  
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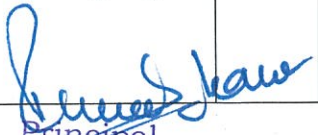
**SPECIFICATIONS FOR PARTITION AND WALL RACKS IN OFFICE  
COMPLEX, FEE CLK & IT ROOM**

Technical Details

Fabrication, Supply and installation of Modular Workstations and other furniture at APS, Jammu Cantt.

Sr.No.	Brief Specification	Qty.	Remark
A	<b>OFFICE COMPLEX</b>		
	<p>Scope of Work;- Manufacture Supply &amp; Installation in position 'L' shape Cubical Workstation as directed workstation comprising of partitions, work surface, will be made of Complete steel structure of table with frame &amp; Top for 19 mm thick ply wood with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 with matching PVC edge band on edges pested by hotmelt glue on required, , All the corners shall be rounded off, keeping in mind of child safety as following Technical Specification</p> <p>Technical Specifications: - (Iron frame with wooden made workstation)</p> <ul style="list-style-type: none"> <li>• Fabrications of the table frame structure in built-up tubular (round, square or rectangular hollow tubes etc.) main frame with Bottom Chord and Top Chord members shall be built up 40x40x3mm / 32x32x3 mm as per design, tube section, and Tie and Web members shall be built up 50x50x3mm tube section.</li> <li>• Front and side panel with perforated for 19 mm thick ply wood with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 with matching PVC edge.</li> <li>• Table with Top 600mm width shall be maked 19 mm thick Ply with laminated, 1mm thick laminates, all edge (40m mm) shall be provided with machine pressed minimum 1mm thick PVC lipping/ edge binding including Hardware as where required. All the corners shall be rounded off, keeping in mind of child safety</li> </ul>		

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- Wooden partitions with 19 mm thick Ply both sides, 1mm thick laminates, all edge shall be provided with machine pressed minimum 1mm thick PVC lipping. As per drawing.
- Leg Space with foot rest 300 mm wide 19 mm thick Ply with laminated, 1mm thick laminates to parallel from Table Top.
- Glass partitions with 10 mm thick taughtened glass on table top to fixed with SS clamp, Height 300mm with wooden frame support.
- Electrical Trunking:- Box structure single side with provision for Modular Switch, socket and Data Point fittings. (Under Table)
- Supplying and fixing following Modular type switch/ socket on the existing Switch box/ cover including connections etc. as required.
- Supply and drawing following sizes of FR LS PVC insulated copper conductor, single core cable in Lab Furniture, & sockets etc.
- CAT-6 wire for Data Point
- Painting with synthetic enamel paint of approved brand and manufacture of required color with a minimum of two coats including one coat of red oxide primer all-steel structure with GI sheet etc.

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**Drawer box Structure: -**

Drawer boxes of size 685mm ht., 390mm width and 450mm deep, The outer casing (except back) and drawer fronts of these pedestals are made from 19 mm thick ply Grade II & Type-II The box drawers have an external fascia height of approx. 150mm and filing drawers have an external fascia height of approx. 300mm. The drawer movement is on full-panel type drawer runners having rollers, which also form the sides of the drawer tray.

  
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- 19mm thick Ply/ board - Counter size as per the drawing
- Color of work top shall be approved prior to fabrication (Wooden Grain Textured)
- Counter shall have both side laminated - Outer sides 1mm thick laminates & inner sides 0.8mm thick laminates
- All edge shall be provided with machine pressed minimum 1mm thick PVC lipping/ edge binding
- The cable manager on the work top shall be of flexible plastic component for easy and safe passage of wires Top & Front Modesty Panel:



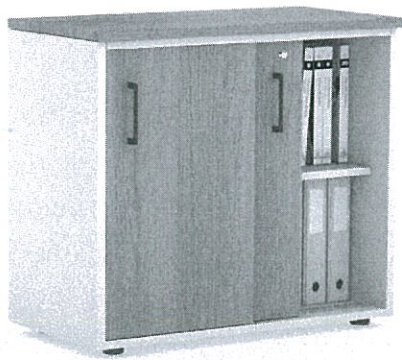
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*Sundar Kaur*  
Principal  
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Technical Specifications: - (Wooden made Independent File Storage Units)

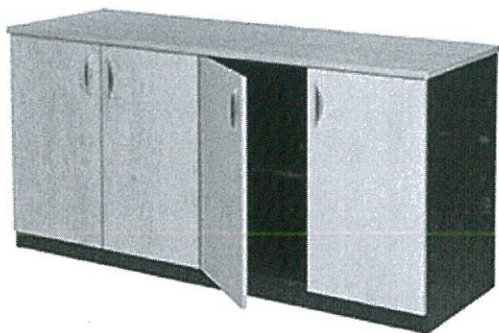
File storage cabinet will be as per module nomenclature. Filing cabinet shall be provided with double leaved hinged shutters made of made of 19 mm thick ply wood with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 with matching PVC edge. All edges having 2mm thk edge banding to match the fascia and on the inside to match the inside color of the box.

- 19mm thick Ply/ board
- Cabinet size as per the drawing
- Top & top edge of the counter shall be 19mm thick acrylic solid surface
- Color of acrylic solid surface shall be approved prior to fabrication
- Color of cabinet shall be approved prior to fabrication (Wooden Grain Textured)
- Cabinet shall have both side laminated
- Outer sides 1mm thick laminates & inner sides 0.8mm thick laminates
- All edge shall be provided with machine pressed minimum 1mm thick PVC lipping/ edge binding
- Cabinet shall have latest technology Locking system with 2 keys for each lock
- Locker Cabinets shall be of Pre-laminated MDF board
- 18mm thick on all sides and back 12mm thick - Shutters per unit shall be as per drawing



Wooden file cabinet Size – 900 (L) x 450(W) x 900(H)

  
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Wooden made Independent File Storage Units 1500 (L) x 450(W) x 750(H)

1.	(L – Shape wooden office Table) (Size: 2100 (W) x 2100 (D) 750 (H) (As per above technical Specification and Scope of work with reference of images)	2.0 Nos	
2.	(U – Shape wooden work station) (Size: 6000 (L) x 1500 (W) x 750 (H) (As per above technical Specification and Scope of work with reference of images)	1.0 Nos	
3.	Wooden made Independent File Storage Units 1500 (L) x 450(W) x 750(H) (As per above technical Specification and Scope of work with reference of images)	2.0 Nos	
3.	Wooden file cabinet Size – 900 (L) x 450(W) x 900(H) (As per above technical Specification and Scope of work with reference of images)	2.0 Nos	
<b>B</b>	<b>IT SECTION</b>		
1	Scope of Work;- Manufacture Supply & Installation in position 'L' shape Cubical Workstation as directed workstation comprising of partitions, work surface, will be made of Complete steel structure of table with frame & Top for 19 mm thick ply wood with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 with matching PVC edge band on edges pested by hotmelt glue on required, , All the corners shall be rounded		

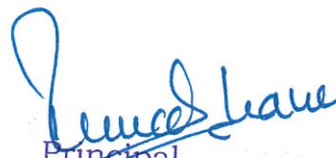
off, keeping in mind of child safety as following Technical Specification

Technical Specifications: - (Iron frame with wooden made workstation)

- Fabrications of the table frame structure in built-up tubular (round, square or rectangular hollow tubes etc.) main frame with Bottom Chord and Top Chord members shall be built up 40x40x3mm / 32x32x3 mm as per design, tube section, and Tie and Web members shall be built up 50x50x3mm tube section.
- Front and side panel with perforated for 19 mm thick ply wood with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 with matching PVC edge.
- Table with Top 600mm width shall be made 19 mm thick Ply with laminated, 1mm thick laminates, all edge (40mm) shall be provided with

machine pressed minimum 1mm thick PVC lipping/ edge binding including Hardware as where required. All the corners shall be rounded off, keeping in mind of child safety

- Wooden partitions with 19 mm thick Ply both sides, 1mm thick laminates, all edge shall be provided with machine pressed minimum 1mm thick PVC lipping. As per drawing.
- Leg Space with foot rest 300 mm wide 19 mm thick Ply with laminated, 1mm thick laminates to parallel from Table Top.
- Glass partitions with 10 mm thick taughtened glass on table top to fixed with SS clamp, Height 300mm with wooden frame support.

  
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- Electrical Trunking:- Box structure single side with provision for Modular Switch, socket and Data Point fittings. (Under Table)
- Supplying and fixing following Modular type switch/ socket on the existing Switch box/ cover including connections etc. as required.
- Supply and drawing following sizes of FR LS PVC insulated copper conductor, single core cable in Lab Furniture, & sockets etc.
- CAT-6 wire for Data Point
- Painting with synthetic enamel paint of approved brand and manufacture of required color with a minimum of two coats including one coat of red oxide primer all-steel structure with GI sheet etc.

**Drawer box Structure: -**

Drawer boxes of size 685mm ht., 390mm width and 450mm deep, The outer casing (except back) and drawer fronts of these pedestals are made from 19 mm thick ply Grade II & Type-II The box drawers have an external fascia height of approx. 150mm and filing drawers have an external fascia height of approx. 300mm. The drawer movement is on full-panel type drawer runners having rollers, which also form the sides of the drawer tray.

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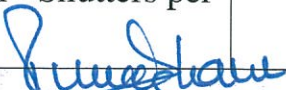


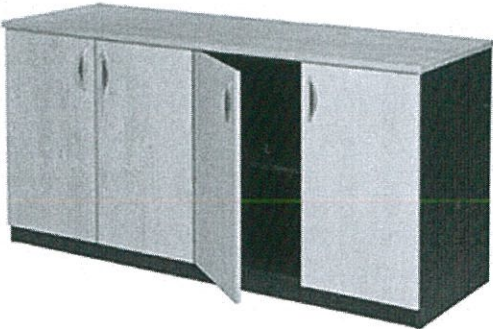


**Technical Specifications: - (Wooden made Independent File Storage Units)**

File storage cabinet will be as per module nomenclature. Filing cabinet shall be provided with double leaved hinged shutters made of made of 19 mm thick ply wood with one side decorative and other side balancing lamination Grade I, Type II exterior grade IS : 12823 with matching PVC edge. All edges having 2mm thk edge banding to match the fascia and on the inside to match the inside color of the box.

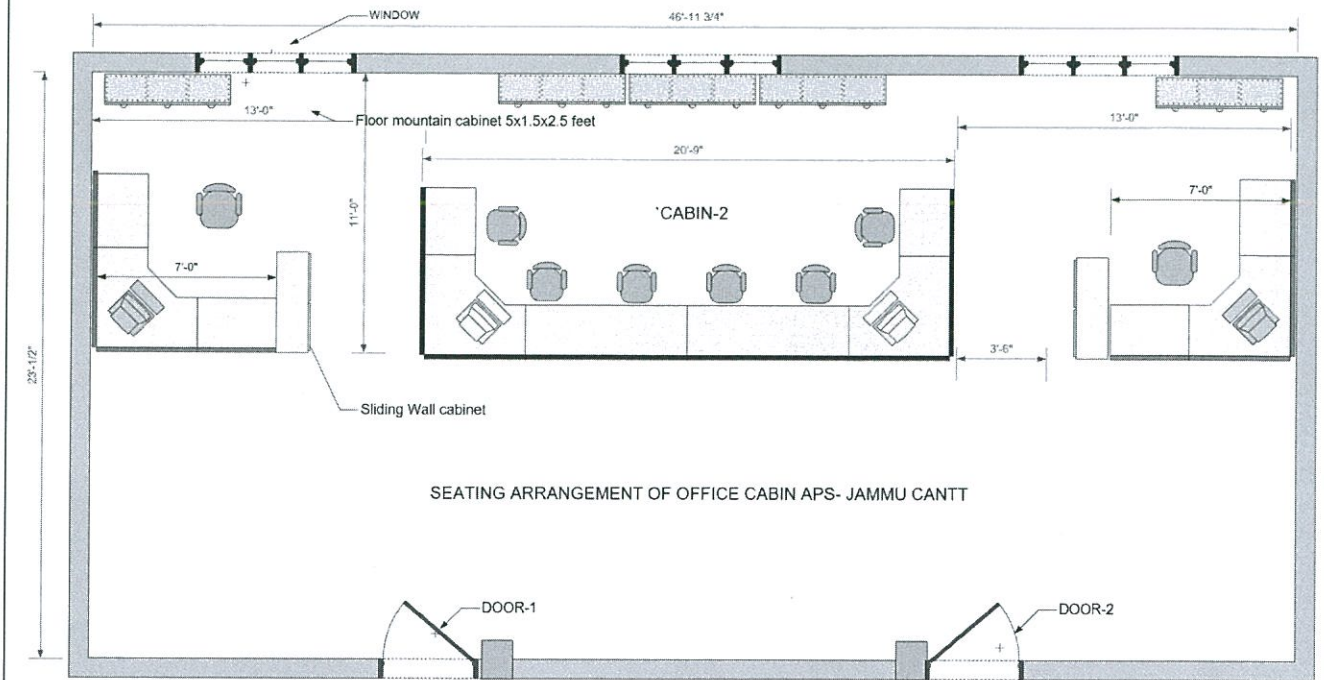
- 19mm thick Ply/ board
- Cabinet size as per the drawing
- Top & top edge of the counter shall be 19mm thick acrylic solid surface
- Color of acrylic solid surface shall be approved prior to fabrication
- Color of cabinet shall be approved prior to fabrication (Wooden Grain Textured)
- Cabinet shall have both side laminated
- Outer sides 1mm thick laminates & inner sides 0.8mm thick laminates
- All edge shall be provided with machine pressed minimum 1mm thick PVC lipping/ edge binding
- Cabinet shall have latest technology Locking system with 2 keys for each lock
- Locker Cabinets shall be of Pre-laminated MDF board
- 18mm thick on all sides and back 12mm thick - Shutters per unit shall be as per drawing

  
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	 <p>Wooden made Independent File Storage Units 1500 (L) x 450(W) x 750(H)</p>		
1.	<p>(L – Shape wooden office Table) (Size: 1500 (W) x 1500 (D) x 750 (H))  (As per above technical Specification and Scope of work with reference of images)</p>	1.0 Nos	
2.	<p>(U – Shape wooden work station) (Size: 3000 (L) x 1500 (W) x 750 (H))  (As per above technical Specification and Scope of work with reference of images)</p>	1.0 Nos	
3.	<p>Wooden made Independent File Storage Units 1500 (L) x 450(W) x 750(H)  (As per above technical Specification and Scope of work with reference of images)</p>	3.0 Nos	

  
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# Lay out Plan of Office Complex

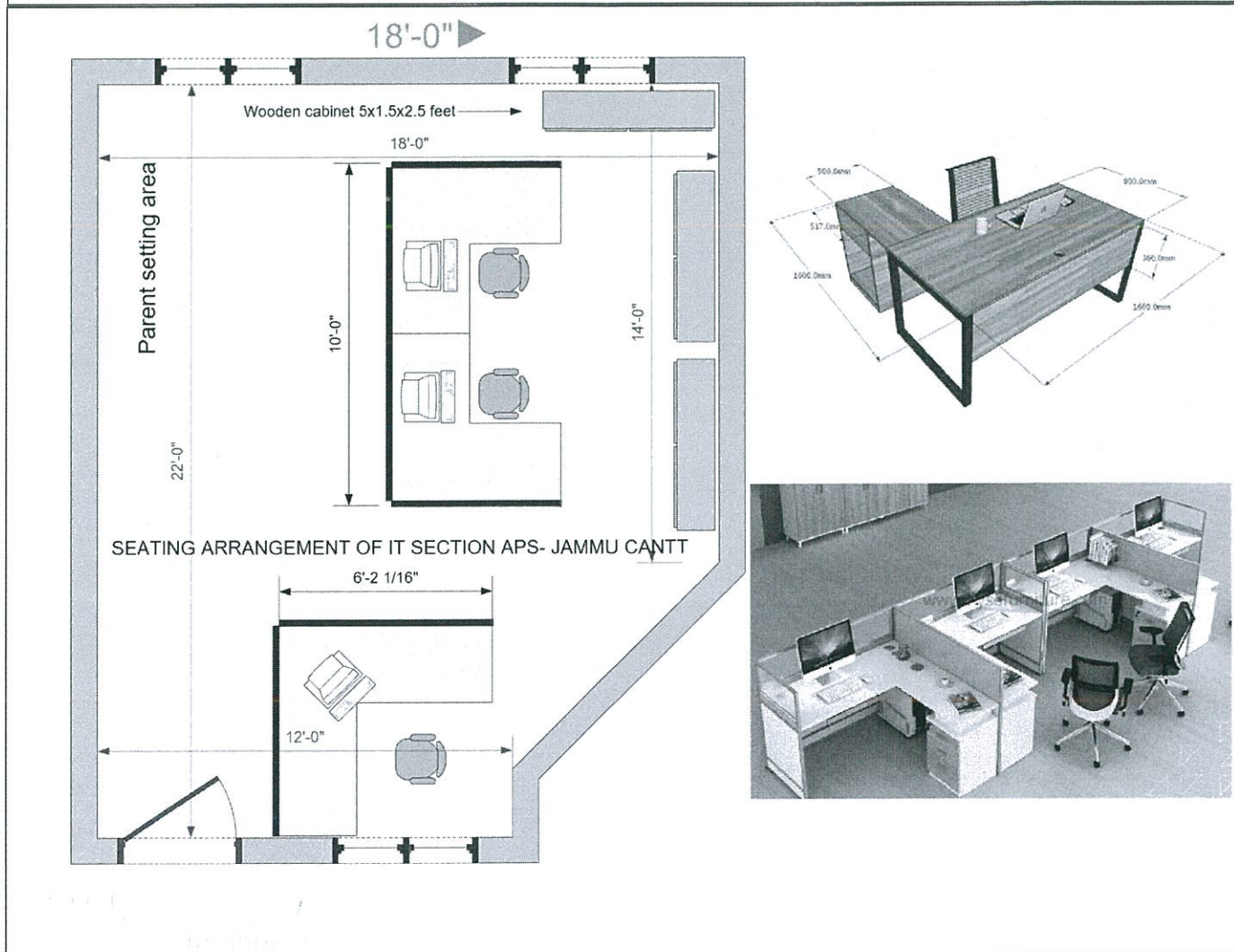


SEATING ARRANGEMENT OF OFFICE CABIN APS- JAMMU CANTT

*S. Meekhan*  
Principal  
Army Public School  
Jammu Cantt

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## Lay out Plan of Office IT Section



Note :- 1. 10% payment will be deducted for non supply of items within stipulated time.


2. 03 to 05 years warranty.

3. Price negotiation will be carry by the School.

  
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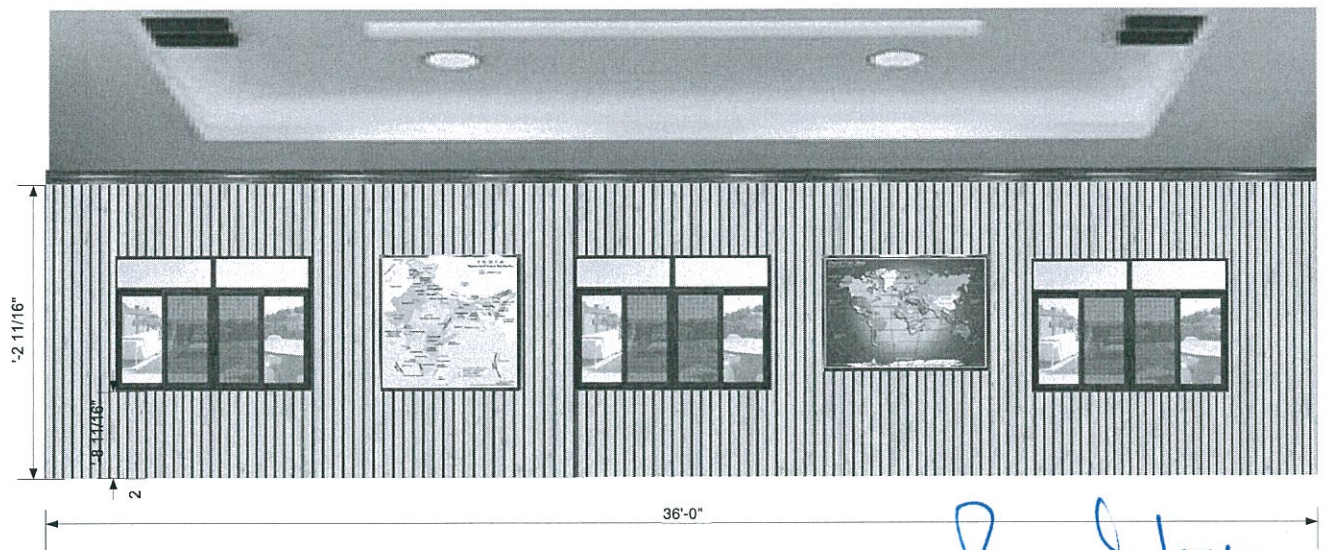
**SPECIFICATIONS FOR PANELLING/ FALSE CEILING, FIXING OF  
CARPET FOR CONFERENCE ROOM AND PURCHASE OF RED  
CARPET**

S No	Brief Specification	Qty.
1.	Scope of Work:- Paneling / false ceiling & fixing of carpet for Conference room (size 47'x 23' and Height 11 feet) approx..	
2.	PVC Paneling Supply and fixing 8-10 mm thick PVC (type-1), for plain lining / PVC pannel on the wall surface with necessary screws, including all fitting and edge covering approved manufacture and quality colour as per the direction of APS management.	1200 Sq. Ft
3.	False ceiling (a) Supply & fixing 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. and 12.5 mm thick tapered edge gypsum moisture resistant board to be side border 600 mm wide if required (ration 20:80) as per specification/direction of APS management.	900 Sq. Ft
4.	Carpet Supply of (6 mm thick) woven Polypropylene carpet including fixing with Adhesive Technical Specification and Performance Indicators of Carpet <ul style="list-style-type: none"> <li>• Colour: Brown or equivalent</li> <li>• Pile Fibre: 100% BCF Polypropylene</li> <li>• User Guide: Commercial ; Heavy Duty</li> <li>• Construction: Plane Loop</li> <li>• Yarn Construction: Bulk Continuous Filament</li> <li>• Machine Gauge: 2.54 mm(1/10"), 39.4 rows/100 mm</li> <li>• Sitch Rate: 42/10 cms</li> <li>• Density Factor: 165.900 tufts/m<sup>2</sup></li> <li>• Tufted Pile Weight: 650 gms/ m<sup>2</sup> (±5)</li> <li>• Tufted Pile Height : 6 mm (±5)</li> <li>• Primary Backing: Woven Polypropylene</li> <li>• Static Generation: Under 3 KV</li> </ul> Warranties: 5 Years Limited Wear	820 Sq. Ft

  
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<p>5.</p>	<p><b>Electrical work:-</b></p> <p>(a) Re-wiring for light point/ fan point/ exhaust fan point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular type switch, phenolic laminated sheet, suitable size G.I. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required.</p> <p>b) Supplying and fixing of ceiling mounted Exhaust Fans 16/18 inches with connecting flexible pipe or PVC duct (approx 3 mtr.) /Louvers including suitable copper wiring / pvc conduiting and 5 amp switch for connecting existing wiring. etc. (Make- Bajaj/ Crompton Greaves/ Havells)</p> <p>(c) Supplying and fixing of 2'x2' recess mounted LED fixture with 25-30 watts lamp (Make - Phillips/ Bajaj/ Crompton Greaves/Havells/Wipro)</p> <p>(d) White 8 Watts LED concealed light with Aluminium Round Panel Down as all respect.</p> <p>(e) All existing modular switches *&amp; sockets shall be re-installed after lay of PVC paneling on existing modular boxes.</p>	<p>Complete Job</p> <p>2.0 Nos</p> <p>8.0 Nos.</p> <p>18.0 Nos</p> <p>Complete job</p>
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6. Images for only references.



Note :- 1. 10% payment will be deducted for non supply of items within stipulated time.

2. 03 to 05 years warranty.

3. Price negotiation will be carry by the School.


  
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**SPECIFICATIONS FOR DESKTOP PCs FOR UPGRADATION OF  
COMPUTER LAB**

S No	Item	Qty	Description
1.	DESKTOP PC	01	OS – Licenced version of Windows 11 Pro Broswer – latest Microsoft Edge/Google Chrome/Firefox with JavaScript CPU – Intel Core i5 (12 <sup>th</sup> Generation) RAM – 16 GB Storage – 512 GB SSD, HDD – 1 TB DVD writer, Keyboard & Mouse Display – 19” LED Monitor Office – 2021 license version Antivirus – Quick heal total security with 3 year license

- Note :-
1. 10% payment will be deducted for non supply of items within stipulated time.
  2. 03 to 05 years warranty.
  3. Price negotiation will be carry by the School.

  
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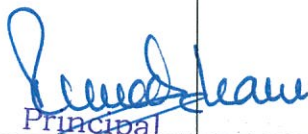


## SPECIFICATIONS FOR STADIUM IN THE GROUND


### Appx 'A' Technical Details

Construction of cemented sitting gallery with single & Four Steps stair including steel structure shed 2Nos. x 50 ft. x 12 ft. at APS, Jammu Cantt.

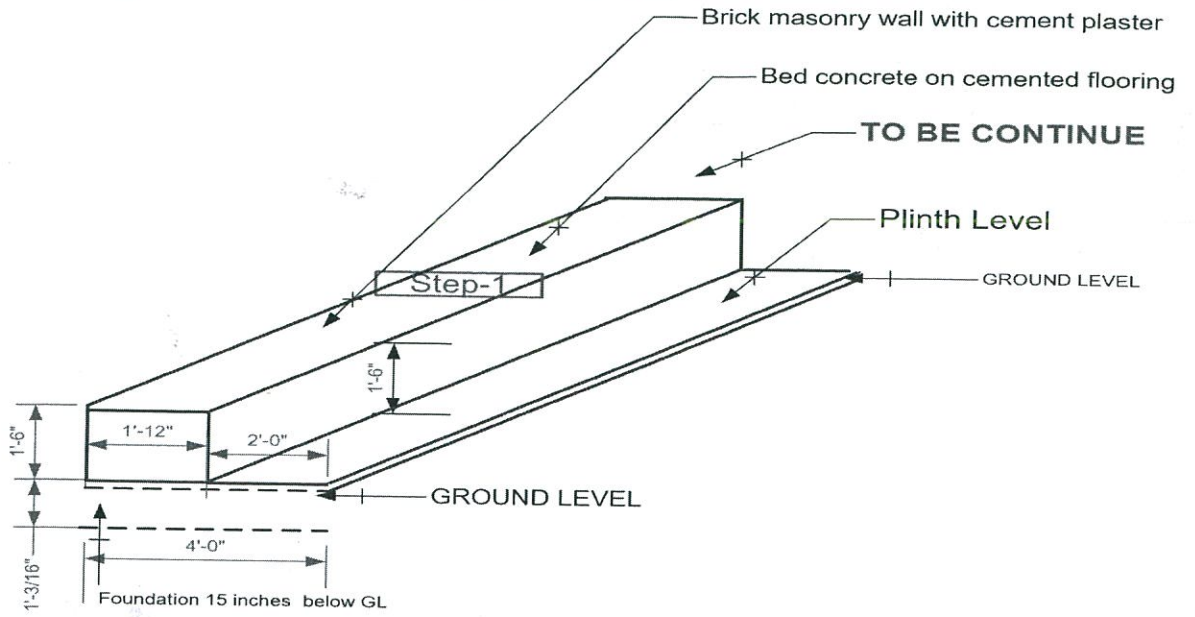
Sr.No.	Brief Specification	Qty.	Remark
1.	<p>Scope of Work:- Construction of cemented sitting gallery with one &amp; three steps stair case around playground area as per given technical specification &amp; drawing</p> <p>Setting plate form, width -2.5 feet &amp; height -1.6/1.3 feet (for reference)</p>		
2.	<p>Civil Work:-</p> <p>(a) Earth work in excavation by mechanical or manual in foundation trenches, width 10 feet and depth 1.5 feet, including dressing of sides and ramming of bottoms as directed, depth of trench minimum 1.5 feet.</p> <p>(b) Filling available excavated earth in trenches, plinth, sides of foundations, staircase etc. including consolidating each deposited layer by ramming and watering, etc, as per required.</p> <p>(c) Laying in PCC of in trenches and bottom layer on sitting stair case with 1:4:8 (1 Cement: 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size) thickness minimum 4"</p> <p>(d) Centering and shuttering including strutting, and removal of form Foundations, footings, bases of bed concrete, mass concrete etc.</p> <p>(e) Construction of sitting gallery with brick masonry work/ mass concrete with common F.P.S. bricks : Cement mortar 1:6 (1 cement : 6 coarse sand) thickness of wall in minimum 13" in side plinth and 9" above plinth brick wall.</p> <p>(f) Construction of stair case with brick masonry, width 4 ft., riser 7 inches every</p>		

  
Principal

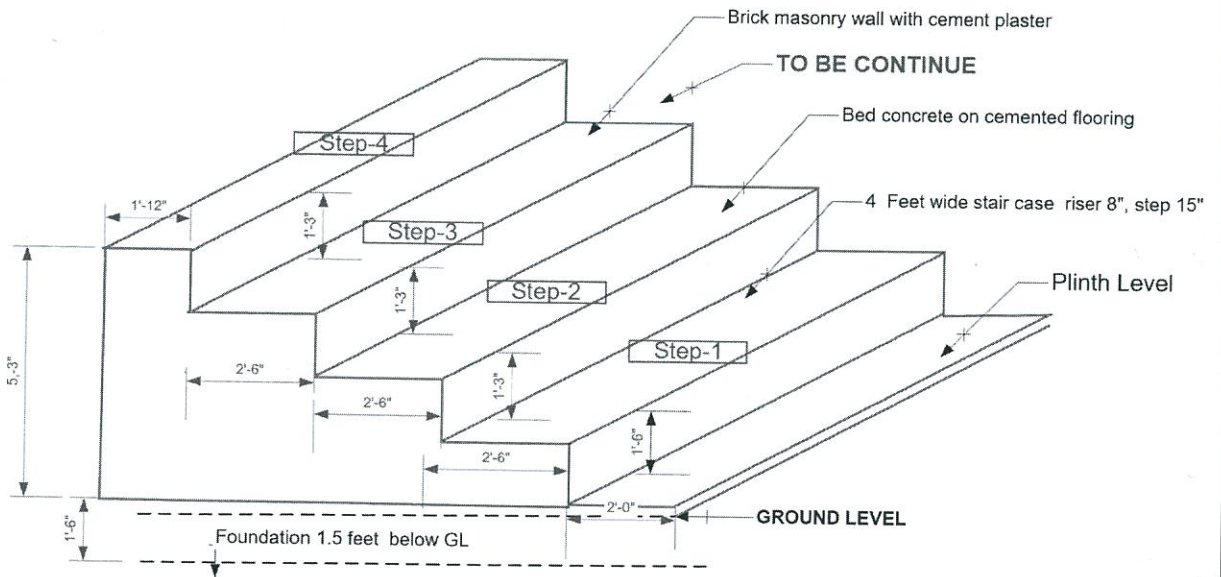
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	<p>50 feet, from 1<sup>st</sup> step to 4<sup>th</sup> step</p> <p>(g) 12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand) around all sitting gallery above ground and sitting area on flooring</p> <p>(h) Flooring on top sitting gallery with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, complete. 40 mm thick with 20 mm nominal size stone aggregate</p> <p>(i) Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40 mm wide and 4 mm thick</p> <p>(j) Fabrication &amp; Installation of 2” thick MS railing on stair case, railing middle member shall be 1” as per requirement.</p> <p>(k) White washing/ painting of sitting gallery with finishing walls with Acrylic Smooth exterior paint and enamel paint for MS railing new work (Two or more coat applied including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)</p> <p><u>A.</u>Single Steps Stair Seating Gallery</p> <p><u>B.</u>Four Steps Stair Seating Gallery</p> <p style="text-align: right;">   Principal  Army Public School  Jammu Cantt </p>	<p>400 r.ft</p> <p>260 r.ft</p>	
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3. Drawing for reference for execution of work



Singal Stap stair Gallery



Four Stap stair Gallery

Note :- 1. 10% payment will be deducted for non supply of items within stipulated time.

2. 03 to 05 years warranty.

3. Price negotiation will be carry by the School.

*Suneet Kaur*  
Principal  
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Jammu Cantt

## SPECIFICATIONS FOR LEVELLING OF PLAYGROUND


Levelling of playground including construction of cemented sitting gallery with single & three Steps stair at APS, Jammu Cantt.

Sr.No.	Brief Specification	Qty.	Remark
1.	<p><b><u>Levelling of Play Ground</u></b></p> <p>(a) Clearing /uprooting of rank vegetation, grass, brush wood, trees and removal of rubbish up to a distance of 200 m outside the periphery of the area cleared.</p> <p>(b) Excavating holes more than 10 cum &amp; upto 30 cum including getting out the excavated soil, then spreading of excavated soil filling low land area, including consolidating each deposited layer by ramming, watering etc., and collected rubbish materials, boulder shall be filled on hole and levelling to same, as directed by APS.</p> <p>(c ) Surface levelling of the playground with excavated soil, and inequalities not exceeding 15 cm deep and watering and preparation of the surface and smooth surface as directed by APS.</p> <p><b>Total Area (400 ft x 200 ft = 1,04,000 Sq Ft)</b></p>	1,04,000 Sq Ft	

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2. 03 to 05 years warranty.

3. Price negotiation will be carry by the School.

  
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## SPECIFICATIONS FOR SEATING ARRANGEMENTS AT GATE FOR PARENTS

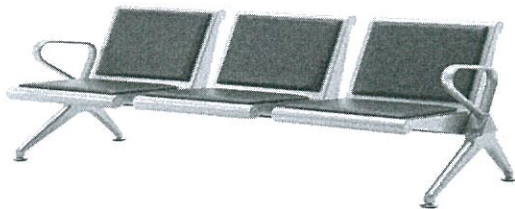
### 'A' Technical Details

Construction of steel structure parents waiting area near main gate at APS, Jammu Cantt.

Sr.No.	Brief Specification	Qty.	Remark
	Scope of Work:- Construction of parents waiting area with steel structure with GI color coated profile sheet shed near school gate (Size of waiting area , Length = 20 feet x width = 12 feet) as per following specifications.		
1.	<p><b>Civil Work</b></p> <p>(a) Construction of plinth /plate form above 1.5 feet above ground with brick/ stone masonry four side wall in cement mortar 1:4 (1 cement : 4 coarse sand)</p> <p>(b) Laying posion cement concrete surfacing 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) finished, all complete. (thickness 100 mm)</p> <p>(c ) Providing and laying Vitrified tiles in floor with (Size of Tile 600x600 mm) approved brand &amp; manufacturer, in all colours and shade 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.</p>	240.0 Sq. ft.	
2.	<p><b>Iron structure Teen shed</b></p> <p>(a) <u>Main Iron Post</u>: - Fabrications of the Main post 80 mm dia MS heavy duty pipe every 3.0 mtr. Fixed on Gusset plate (300x300x12mm) to be fixed on Top and Bottom with fixed Nut and Bolt in The RCC Foundation. RCC Foundation 600x600x900 mm.</p> <p>(b) <u>Trusses</u>: - Fabrications of the Trusses in built-up tubular square or rectangular hollow tubes section Bottom Chord and Top Chord members shall be built up 50x50x3mm / 80x40x4 mm as per design, tube section, and Purline members shall be built up 60x40x3mm mm tube section.</p> <p>(c ) GI Color coated Profile Sheet:- Providing and fixing precoated galvanised iron profile sheets 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm. The sheet shall be fixed using self drilling /self tapping screws</p>	280.0 Sq. ft	

  
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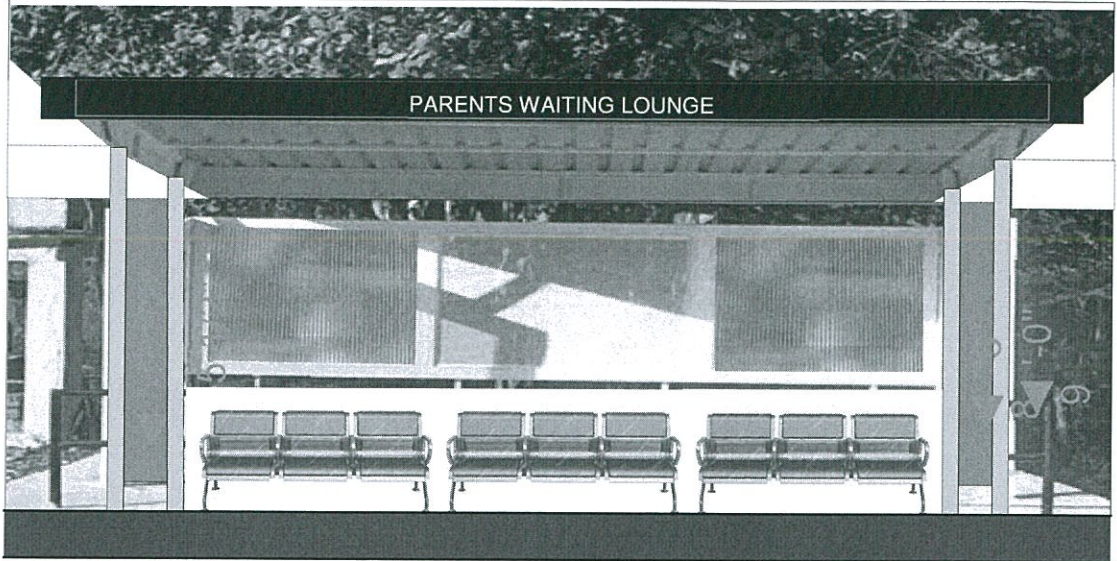
	<p>with EPDM seal, complete upto any pitch in horizontal/vertical or curved surfaces, wherever required.</p> <p>(d) Painting: - Painting with synthetic enamel paint of approved brand manufacture of required color with a minimum of two coats including one coat of red oxide primer on newly constructed all-steel structure/ trusses and other structures.</p>		
3.	<p><b>Both sides covered</b></p> <p>Both side covered with 5 mm thick color acrylic board with thermoformable/ excellent Light transmission as per design in the fixing of MS tube grid frame 50x50x3 mm and fixing of Army public school logo and school name with acrylic materials etc. all complete as per standard design.</p>	128. Sq, Ft	
4.	<p><b>Overhead Sign Board Infront of stage</b></p> <p>Supply &amp; fixing Retro-reflective regulatory sign board of size 450 mm width made out of 3 mm thick ACP. The ACP to be riveted to M.S. frame of angle iron of size 40x40x4 mm. The boards will be fixed to made of M.S. angle 50x50x4 mm, 20 feet long welded to the frame and fixing of Army public school logo and school name with acrylic materials etc. all complete as per standard design</p>	30.0 Sq, Ft	
5.	<p><b><u>3-seater Metal Waiting Chair</u></b></p> <p>Dimension – 3-seater with Two arms (1800x680x880 mm) Materials - High quality metal stainless steel sheet with PU cushions Materials + Structures:</p> <ol style="list-style-type: none"> <li>1. Armrest and legs: Die-casting aluminum . Oil coating finished .</li> <li>2. Seat and backrest: 1.5mm thick steel sheet with perforated holes .40x8mm steel plate as seat and back side frame. PU upholstered with foam/plywood as seat and back</li> </ol>	9.0 Nos.	



*Sandeep Kaur*  
Principal

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7. Drawing only reference for execution of work



- Note :-
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  2. 03 to 05 years warranty.
  3. Price negotiation will be carry by the School.

*Suresh Kumar*  
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**SPECIFICATIONS FOR SHED OVER THE NEW STAGE  
AT ASSEMBLY AREA**

Sr.No.	Brief Specification	Qty.
	<p><b>Scope of Work:-</b> Construction of Steel structure shed (size 44 feet x 22 feet) height on Top 14 feet on stage level with G.I colour coated Profile sheet (0.5mm) as per drawing and specification attached.</p>	
1.	<p><b><u>Construction of Steel Structure Shed.</u></b></p> <p>(a) <b><u>Main Iron Post:</u></b> - Fabrications of the Main post 150 mm dia MS heavy duty pipe every 3.5 mtr. Fixed on Gusset plate (450x450x12mm) to be fixed on Top and Bottom with fixed Nut and Bolt in The RCC Foundation. RCC Foundation 900 x900 x10000 mm size having 12mm TMT main bars with 10 mm dia TMT bars @ 150mm c/c in required shape as per standard reinforcement specification. Height of Column as per site requirement 4.5 mtr.</p> <p>(b) <b><u>Trusses:</u></b> - Fabrications of the main Truss in built-up tubular (round, square or rectangular hollow tubes etc.) Bottom Chord and Top Chord members shall be built up 100x50x4mm as per design, tube section, and Tie and Web members shall be built up 80x40x4mm mm tube section finished, all complete as per standard design.</p> <p>(c) <b><u>Side Supporting TIE Beam:-</u></b> Fabrications of the side Supporting Beam (60CM ht.) in built-up tubular (round, square, or rectangular hollow tubes etc.) Horizontal &amp; Vertical members shall be built up 50x50x3mm tube section, and Tie and cross 40x40x3mm members shall be fixed 60 cm at an equal distance.</p> <p>(d) <b><u>Purline :-</u></b> All Purline and Tie Member in built-up tubular (round, square, or rectangular hollow tubes etc.) Purline and Tie Members shall be built up 50x50x4mm/ 60x40x4mm. Purline space shall be arranged 90 CM at an equal distance as per drawing and specification attached.</p> <p>(e) <b><u>G. I Profile Sheet:</u></b> - Providing and fixing precoated galvanised iron profile sheets 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm, The sheet shall be fixed using self drilling /self tapping screws with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, wherever required.</p> <p>On Roof Top – 1000 Sq, ft (approx.) Both side Covering – 90 Sq, ft (approx.), and Front Side Covering with Retro-reflecve regulatory sign board – 120 Sq, ft (approx.),</p>	<p style="text-align: center;"><b>1000.0</b> <b>Sq, ft</b></p>



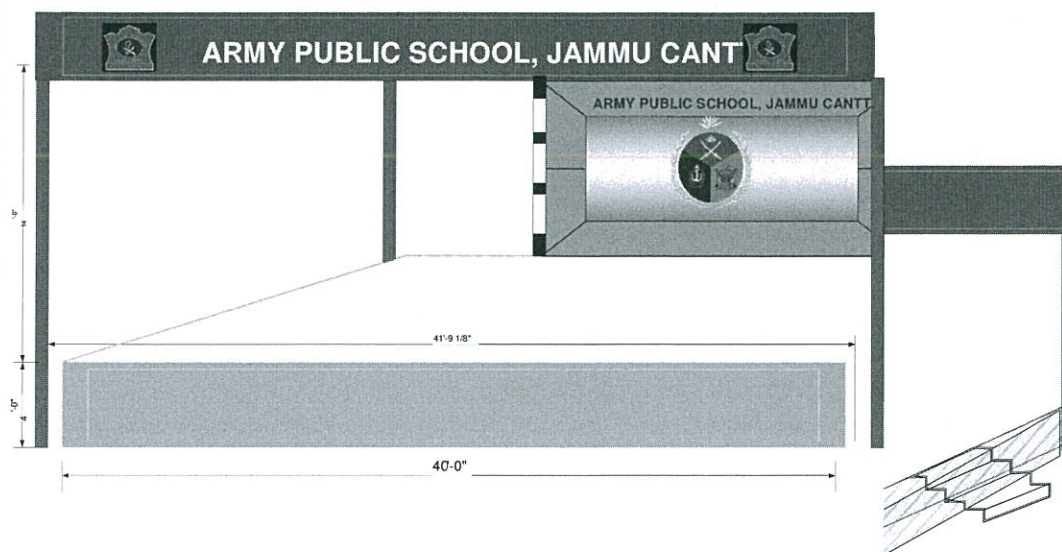
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	(f) <b>Painting:</b> -_Painting with synthetic enamel paint of approved brand and manufacture of required color with a minimum of two coats including one coat of red oxide primer on newly constructed all-steel structure/ trusses and other structures.	
2.	<b><u>Background screen on stage</u></b> Background screen to be make with 5 mm thick Acrylic sheet in the fixing of MS tube grid frame 70x70x4 mm and fixing of Army public school logo and school name with acrylic materials etc. all complete as per standard design.	<b>300.0 sq.ft</b>
3.	<b><u>Overhead Sign Board Infront of stage</u></b> Supply & fixing Retro-reflective regulatory sign board of size 700 mm width made out of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated lens type retro -reflective sheeting, Letter, (Army Public school) symbols (school logo), borders etc. will be as per IRC - 67 with required colour scheme on the boards and with the high intensity grade A. The aluminium sheet to be riveted to M.S. frame of angle iron of size 40x40x4 mm. The boards will be fixed to 1 No. 50x50 mm square post made of M.S. angle 50x50x4 mm, 6.70 mtr. long welded to the frame. Sheet work to be painted with two or more coats of synthetic enamel paint over an under coat (primer) complete in all respects.	<b>100.0 sq.ft</b>
4.	<b><u>SS railing over staircase</u></b> Fabrication & fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, polishing and making curvature and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., <b>Heigh of railing on staircase 2.5 ftat both side of staircase.</b>	<b>60.0 R.ft</b>

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5. Drawing only reference for execution of work

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2. 03 to 05 years warranty.

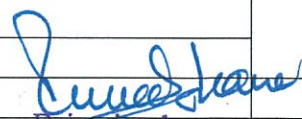
3. Price negotiation will be carry by the School.

  
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## SPECIFICATION FOR INTERACTIVE FLAT PANELS FOR CLASSES

Product	Interactive Flat Panel Display 75"	Qty
Backlit	LED (Light Emitting Diode) Backlit Display	01
Display size (Diagonal)	75"	
Aspect Ratio	16:09	
Resolution	3840 X 2160 or higher	
Contrast Ratio	1200:1 or higher	
Brightness	450 cd/m <sup>2</sup> or higher	
Display Type	LCD	
Display Color	1.07B	
Panel Technology	In Plane Switching	
Response time	8 ms	
Viewing angle	178 Degree	
Touch Interface	Optical Infra Red	
Touch Points	20 or higher	
Speakers	Built In	
Input / Output Ports	VGA IN x 1, HDMI x 3, USB 2.0 X2, USB3.0 X 1, RJ-45 X 1 , RS-232, YPbPr/Video IN, Video Out, Touch USB X 1,	
Audio	Inbuilt Two front throw speakers of 15 Watts rms each	
Communication port	RS 232C & LAN	
Power supply requirement	230V AC +/- 10%, 50 Hz	
Max Power consumption	Maximum 220 Watts	
Accessories to be supplied	AC Power cord, User Manual, Remote control, Wall mount bracket necessary cables and connectors shall be provided to make it a complete operable unit.	
Built-in Android	RAM Memory-4 GB, Internal Storage-32 GB, Android version-Android: 11.0, CPU- Quad-core Cortex A55, GPU- Mali-G series processor or better	
Network Mode	Wired: LAN, Wireless: WIFI	
Features	Freeze, Recent Page Preview, Auto Source Selection, Onscreen Timer, On screen Zoom Facility, Dual pen Writing Input.aluminium alloy outer frame.	
OPS	On board Pin OPS Module with Intel Core i5 Processor with Minimum 8th generation, RAM 8GB, hard disk 512 GB SSD, Window 10 genuine or higher, HDMI 1.4, VGA-out, and Display out ports, High-speed 3.0 USB ports for connection to keyboards and mice, to hard drives and flash drives, Rugged steel chassis for extra strength and integrity	
Cover/ cabinet	Pre painted laminated sheet with 1.2mm thickness without joint & welding. Front writing boards (2 Nos) with 16mm thickness with lock and ceramic surface. Space for storing mouse, keyboard, remote etc.	
Certifications	BIS, NABL, Product Test Repors, CE,FCC,ROHS,ISO 9001, ISO 14001, ISO 27001, ISO 45001, ISO 5001	
Replacement Warranty	3 Years	
Trainig	Minimum 03 or as per requirement of School.	
Inclusive of GST & Installation		

  
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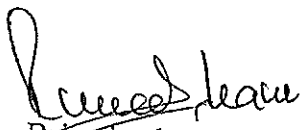
**SPECIFICATION FOR LAYING AND INSTALLATION OF SYNTHETIC 08  
LAYER BASKETBALL COURT**

S No	Item	Qty	Description
1.	Laying and installation of Synthetic 08 Layer Basketball Court	Complete work	<p>1. Scrabbing &amp; resurfacing of existing loose surface and glass strip with mechanical equipment.</p> <p>2. Repairing of cracks and damaged areas with acrylic Synthetic materials, silica. Synthetic primer, hardness cement mixture etc.</p> <p>3. 3mm thick self-leveling floor levelling with cement based compound mixed with silica sand and polymer powder used to enhance the main materials and adhesive in the mixture.</p> <p>3. Providing and laying of ITF classified imported materipalpp 8 Layers System Synthetic Acrylic for Volley Ball Court</p> <p>(a) One layer of concrete Primer (b) Two Layers of resurfacer (c) Three layers of cushion rubber (d) Two layers of top coat (colour) (e) White Line Marking Paint</p>
	Providing and fixing of Basketball pole.	Pair	6" (150MM DIA) Ms Pipe, 2525 mm acrylic fiber board 1.80m x 1.05, spring action dunking rig as per Indian Standard, to be fixed in RCC Foundation, MS Plate size of 200mm x 200mm x 3 thick with the supporting 04 Nos of Anchor bolts with Painting for Synthetic enamel paint for 2 Nos of basket ball poles complete all.
	LeD Score Board	01	<p>Type - LED Color - Red, Amber Digit Size - 4" Dimmer - Yes Captions - Team A-B, Score, Set Serving, Time Power Rating - 210 to 240 VAC Cabinet - All Cabinets are finished with 22-24 gauze CRC mild steel, Powder Coating to ensure minimal fading foe the life of score board</p>

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2. 03 to 05 years warranty.

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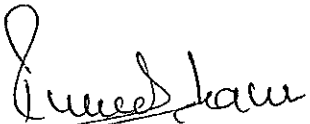
**SPECIFICATIONS FOR RACKS / ALMIRAH FOR STAFF ROOM**

S No	Item	Qty	Description
	<b>File storage cabinets 6 compartments</b>	01	File Storage cabinets with 6 compartments and lock for each compartment  DIMENSIONS 1300mm x 900 mm x 450mm  Material – MS Sheet thickness of the Cabinet Body (MM)-0.8 MM THICK crc Sheet conforming to Grade D of IS 513/2008  Latest  MS Sheet thickness of the Shelf Pannels (mm) – 0.8mm thick CRC sheet conforming to Grade D of IS 513/2008  Latest  MS Sheet thickness of the Door Pannels (MM) – 0.8 mm thick CRC sheet confirming to Grade D of IS 513/2008  Latest  COLOR AND FINISH  <b>Powder coating in ivory color</b>

Note :- 1. 10% payment will be deducted for non supply of items within stipulated time.

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