

Date & Time of Opening **07th February 2018**  
Time: 10:00 hrs

Date & Time of Closing **20<sup>th</sup> February 2018**  
Time 16:00 hrs

## **NOTICE INVITING TENDER**

### **FORE SCHOOL OF MANAGEMENT, B-18, QUTUB INSTITUTIONAL AREA, NEW DELHI**

#### **CONSTRUCTION OF ADDITIONAL CLASS ROOM AND ASSOCIATED FACILITIES**

1. Short Notice Tenders in the prescribed forms are hereby invited for the Construction of Additional 2 Nos. Class Rooms and Associated Facilities, **at FORE School of Management, B-18, Qutub Institutional Area, New Delhi-16** from Contractors of repute, experience and interested. Contractors and interior decorators who had executed the work of providing and fixing of PUF Panels along with associated facilities like installation and operationalising of firefighting facilities, networking etc., shall be preferred.
2. The Tender documents could be collected from Chief Administrative Officer, FORE School of Management, B-18, Qutub Institutional Area, New Delhi-110016 on submission of service tax registration details, G.S.T. registration and profile of the firm. The Tender documents could be collected between 10 AM to 4 PM from Monday to Friday except Gazetted Holidays. The interested vendors could make a visit of the site for virtual assessment of the quantum of work and area of work. The work shall be executed on 4<sup>th</sup> Floor of the building. The detailed BOQ is as attached along with the Tender document.
3. The Tender Documents is to be sent in a sealed cover either through Registered/Speed Post/Courier/or could be dropped in the Tender Box kept in the Security Post clearly indicating on top of the envelope the work for which the tender is being submitted. For example, “TENDER FOR **CONSTRUCTION OF ADDITIONAL CLASS ROOM AND ASSOCIATED FACILITIES**”
4. Any queries relating to Tender documents could be clarified from our Architect M/s BUDHIRAJA AND ASSOCIATES, N-7, LOWER GROUND, MALVIYA NAGAR, NEW DELHI-110017. Mobile Nos. are 09810066599.

**06<sup>th</sup> February 2018**

**Chief Administrative Officer**

**TENDER DOCUMENT FOR CONSTRUCTION OF TWO CLASS ROOMS AT FORE SCHOOL OF MANAGEMENT**

**B-18,QUTUB INSTITUIONAL AREA, KATWARIA SARAI, NEW DELHI-110016**

**BUDHIRAJA AND ASSOCIATES**

**ARCHITECTS, ENGINEERS, VALUERS & INTERIOR CONSULTANTS**

**(O): N – 7, LOWER GROUND, MALVIYA NAGAR, NEW DELHI – 110017**

**(R): C – 381, SHEIKH SARAI – I, NEW DELHI – 110017**

**E – MAIL: [budhirajaassociatesn7@gmail.com](mailto:budhirajaassociatesn7@gmail.com)**

**Mob: 98100-66599**

**98100-35553**

**(O): 011-26675111**

**(R): 011-26018245**

S. NO	Description of Goods	Unit	Qty.	RATE	AMOUNT
1	<b>PLUMBING WORKS</b>				
a	Providing & Fixing of GI Pipe (Class B. Medium Duty) with necessary fittings cutting & making including 2 coat Painting complete in all aspects (Make : Jindal Hissar)				
i	<b>25 mm dia</b>	RM	205		
ii	<b>32 mm dia</b>	RM	110		
iii	<b>40 mm dia</b>	RM	48		
iv	<b>50 mm dia</b>	RM	90		

b	Providing & Fixing of CPVC Pipe (SDR-11) with necessary fittings cutting & making including 2 coat Painting complete in all aspects (Make :Ashirwad/ Aatral)				
i	<b>25 mm dia</b>	RM	54		
c	Providing & Fixing of UPVC Pipe (6Kg.) with necessary fittings cutting & making including 2 coat Painting complete in all aspects (Make : Supreme)				
i	<b>75 mm OD</b>	RM	125		
ii	<b>110mm OD</b>	RM	125		
d	Providing & Fixing or Brass Ball Valve 16kg complete in all aspects, (Make : Arco/Zoloto)				
i	<b>25 mm dia</b>	EACH	26		
ii	<b>32 mm dia</b>	EACH	3		
iii	<b>40 mm dia</b>	EACH	6		
iv	<b>50 mm dia</b>	EACH	5		
e	Providing & Fixing or Overhead PVC Tank complete in all aspects (Make :Sintex) 2000 ltr. X 2 Nos.	Ltr.	18/-		
f	Providing & Fixing of MS Pipe (Class C. Heavy Duty) with necessary fittings cutting & making including 2 coat Painting complete in all aspects (Make : Jindal Hissar)	-	-		
i	<b>25 mm dia</b>	RM	7		
ii	<b>80 mm dia</b>	RM	7		
iii	<b>100 mm dia</b>	RM	32		
g	Providing & Fixing of C I <b>Butterfly Valve</b> (16 kg.) Pressure with Flange, Nut, Bolt & wasters etc. complete in all aspects (Make : Advance , Zoloto)				
i	<b>100 mm dia</b>	EACH	1		
h	<b>Providing &amp; Fixing of C I Non Return Valve (16 kg.) Pressure with Flange, Nut, Bolt &amp; wasters etc. complete in all aspects (Make : Advance , Zoloto)</b>				

i	<b>100 mm dia</b>	EACH	1		
i	Providing & Fixing of Gunmetal <b>Landing Valve</b> hydrants to type 'A' of I.S: 5290-1977 with 63mm Dia instantaneous spring Lock type G.M Female cupling of 63mm Dia for house pipe, complete in all aspects, (Make : Safeguard / Newage)	EACH	1		
j	Providing & Fixing of First Aid fire Hose Reel (with wall mounting swinging type drum complying to IS :884, Fitted with Thermo Plastic Synthetic reinforced material confirming to IS: 12589-1988, Type II 20mm Bore with standard size brass outlet and shut off valve, brackets, complete in all aspects (Make : Safeguard / Newage)	EACH	1		
k	Providing & Fixing of External Wall house box, wall mounting free standing type, made out of Fibre glass reinforced plastic of approved colours of 76.8 x 61.44 x 25.08 (30" x 24" x 10" )size to accommodate to 15m length of Delivery hoses & a branch pipes with glass fronted double door with lock & Keys and break glass recess for keys, all complete (Make : Safeguard / Newage)	EACH	1		
l	Providing & Fixing stand short size Gun metal Branch Pipe with Gunmetal Nozzel 20mm nominal Bore outlet with standard instantaneous type 36mm dia coupling in all aspects. (Make; Safeguard /newage)	EACH	1		
m	Providing & Fixing of Synthetic Pyroprotect/ Permaline flax Canvas. Non- percolating Fire Hose type B, RRL, ISI marked 63mm dia x 15m long with gunetal male & Female coupling (IS 903) bound & rivted to hose pipes with copper rivets and copper wire (make: Safegaurd /newage)	EACH	2		
n	Dismantling, Shifting & Refixing of 5000 ltr. PVC Tank complete in all aspects.	EACH	4		
o	Dismantling of G I pipe with necessary fittings, comple in all aspects.	-	-		

i	25 mm dia	RM	285		
ii	32 mm dia	RM	92		
iii	40 mm dia	RM	22		
iv	50 mm dia	RM	20		
p	Dismantling of CPVC pipe with necessary fittings, complete in all aspects.				
i	20 mm dia	RM	60		
ii	25 mm dia	RM	65		
<b>2</b>	<b>MS WORKS</b>				
a	Providing & Fixing of MS Window in Corridor of size 3300 x 1500mm	NOS	2		
b	Providing & Fixing of Railing on back side staircase near toilet block	LS	1		
c	Providing & Fixing of MS Platform for shifting of existing water tank & Stairs for services	LS	1		
<b>3</b>	<b>DISMANTLING WORKS</b>				
a	Dismantling of two existing columns and related beams.	LS	1		
b	Disposal of malba from office to outside of the building. All scraps will be taken care by the contractor. Provided rate is for each trip. (100 sqft malba in one time)	NOS	25		
<b>4</b>	<b>STRUCTURE WORKS</b>				
a	<b>WALL PANELS</b> : Providing & Fixing of 80mm Thick PUF Panel Inc. <b>Outer Sheeting</b> - 0.50 mm TCT Ppgi coated steel having 240 MPA Yield, <b>Inner Sheeting</b> - 0.50mm TCT Ppgi coated sheet steel having 240 MPA Yeild Strength, <b>Insulation core</b> - supply of double skin PUR insulated sandwich wall panel having 80 mm core with 0.50 mm TCT Ppgi in top & bottom skin. The PUR Panel shall be CFC free and Zero Ozone depleting panel using N pentane blowing Aget& made out of continous line running on uninterrupted powe supply. Panel shall have pre	SQ.M	620		

	coated Galvalume sheet on both side of Polyurethane foam confirming to IS 12436:1988. The pre coated sheet shall be of minimum 240 Mpa. The PPGI sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transporatation. The panels shal be vertically joined together by tongue and groove joints. The PUR foam shall be self- extinguishing, fire retardant type having maximum density of 40 kg / cu.mt (+, -2Kgs)				
b	Providing & Fixing of single skin sheet 0.5mm PPGI, Inc.Insulation with 50mm 48 KG Density, thick rockwool, one sided alluminium foil & Holding MS jali.	SQ.M	420		
c	Providing & Fixing of Honey comb Doors with complete accessories, size 1200 x 2100mm	NOS	4		
d	Providing & Fixing of Honey comb Doors with complete accessories, size 750 x 2100mm	NOS	11		
e	Providing & fixing of Alu -T with accessories.	RMT	90		
f	Providing & Fixing of U channel & Flashings.	LS	1		
g	Providing & Fixing of Steel Structure for the entire area.	LS	1		
<b>5</b>	<b>CIVIL WORKS</b>				
a	Providing & Laying of 4 inch thick PCC on the surface.	SQ FT	3,104		
b	<b>8" thk cement brick blocks</b> : Providing and laying <b>cement brick blocks</b> in cement mortar 1:5 (1 cement : 5 coarse sand) in <b>Full brick</b> (230 mm thk) including racking out joints scaffolding, curing etc. all complete as directed.	SQ FT	120		

c	<p><b>Cement Plaster:</b> Providing and laying 12-15mm thick plaster in Cement mortar 1:6 (1cement : 2 coarse sand : 4 fine sand) to all types of RCC work (small or big) brick/stone work surfaces including parapet, wall tops, jambs and cills etc.at all levels, in line, level and plumb as shown in detailed drawings, as directed including providing necessary bands, drip moulds, tapak, grooves &amp; wire mesh at all the junctions of walls and ceiling, walls and frames for doors or windows, around skirting/dado or at other places as directed, including raking out the joints or roughening the RCC surfaces, necessary curing, scaffolding etc., complete as directed and specified.</p>	SQ FT	360.0		
<b>6</b>	<b>INTERIOR WORKS</b>				
<b>I</b>	<b>CEILING &amp; DOORS</b>				
a	<p>Providing and fixing Gypsum False Ceiling which includes G.I. Perimeter Channels of size 0.55 mm thick ( having One Flange of 20 mm. and another flange of 30 mm and a web of 27 mm ) along with perimeter of ceiling, screw fixed to brick wall / partition with the help of Nylon sleeves and screws at 610mm centers. Then suspending G.I. intermediate channels of size 45mm (0.9mm thick with 2 flanges of 15 mm each) from the soffit at 1220 mm centers with ceiling angle of width 25 mm X 10 mm X 0.55 mm thick fixed to soffit with G.I. cleat and steel expansion fasteners. Ceiling section of 0.55mm thick having knurled web of 51.5 mm and 2 flanges of 26 mm each with lips of 10.5 mm are then fixed to the intermediate channel with the help of connecting clips and in direction perpendicular to the intermediate channel at 450 mm centers.</p>	SQ FT	1565		

b	<b>GRID TILE CEILING</b> : Providing & Fixing of Armstrong Mineral Fiber Acoustical Suspended Ceiling System with regular edge tiles should have Humidity Resistance (RH) of 99%, NRC as mention below, Light Reflectance >85%, Thermal Conductivity k = 0.052- 0.057 w/m K, Colour White,	SQ FT	1800		
c	Supply and fixing of Iron door of size 900 x2100mm, Backside of staircase	NOS	1		
<b>II</b>	<b>FLOORING</b>				
a	Providing & Laying in flooring & flooring bands Vitrified Ceramic Tiles of approved shade over a bed of 25-30mm thick cement mortar (1:4) laid to patterns with Laticrete or equivalent" make Epoxy stain free ( SP-100) or Saint-Gobain grout i/c necessary cutting, mitring, curing, cleaning etc. complete as per detailed drawings, pattern and specification.	SQ FT	3104		
b	Providing & fixing of aluminium skirting.	RFT	430		
<b>III</b>	<b>FINISHING WORKS</b>				
a	<b>Plastic emulsion paint</b> :- Providing and applying on Walls & Gypsum Ceiling including surface preparation, primer coats, levelling Patti and minimum 3 coats of brush and roller finish.	SQ FT	3500		
b	Providing and applying <b>Plaster of Paris</b> punning of average thickness 12-15mm to existing wall /true ceiling surfaces in true level and plumb complete as directed.	SQ FT	465		
c	Providing & Fixing of Aluminium powder coated window with 6mm toughened Glass, Size: 1500 x 1200 mm	NOS	10		
d	Providing & Fixing of Aluminium powder coated window with 6mm toughened Glass, Size: 3300 x 1500mm	NOS	2		
e	Providing & Fixing of Fenesta UPVC window with 6mm toughened Glass, Size: 1500 x 1200 mm	SQ FT	20		
f	Providing & Fixing of Fenesta UPVC window with 6mm toughened Glass, Size: 3300 x 1500mm	SQ FT	55		



g	<b>Roller Blinds</b> :- Providing & fixing roller blinds comprising of polymer coated fibre fabric with minimum openness factor of 3% as per AS standards. The fabric shall be fire retardant and have high heat reflection ratios. The roller mechanism shall be a moulded unit made from engineering grade plastic polymer with steel spring support. The fabric shall be finished on the sides with edge tape duly welded for waviness control. The fabric shall be attached to the roller tube with high quality self adhesive tape. Average width of blinds shall be 1800mm and fall of 2400mm with manual operation.	SQ FT	200		
h	Providing & Fixing of Glass Film on the Windows	SQ FT	310		
<b>7</b>	<b>ELECTRICAL WORKS</b>				
a	Total cost of socket outlets point supply through ups/raw power for complete area inc. wiring, conduits, raceway & switch socket, light fixture, DBs & all input output wiring inc. Washroom	SQ FT	3658		
<b>8</b>	<b>NETWORKING &amp; VOICE WORKS</b>				
a	Supply & Fixing of 32mm dia heavy pvc conduits (for data/ voice wiring) Complete with all fixing accessories.	RM	190		
b	Supply & Fixing of anodised ms box as/ face plate size for data & voice outlet. Size 3 x 3	NOS	10		
c	Cat 6 redundant data information outlet user side (in green colour) inc. WITH face plate.	NOS.	600		
d	Cat 6 active data information outlet user side ( in blue colour) inc. face plate.	NOS	12		
e	Cat 6 active voice information outlet user side ( in yellow colour) inc. face plate.	NOS	2		
f	Providing & Fixing of Dynamic 6U rack	NOS	1		
g	Providing & Fixing of Gigabyte Switch	NOS	1		
h	Providing & Fixing of 24 port patch panel loaded	NOS	1		
<b>9</b>	<b>HVAC WORKS</b>				

a	Supply of 3 Ton Daikin Cassette Unit	NOS	2		
b	Supply of 2.2 Ton Daikin Cassette Unit	NOS	4		
b	Supply of AC Stands	NOS	6		
c	Providing and laying copper pipe.	RM	108		
d	Providing and laying of Electric wire.	RM	102		
e	Providing and laying of Drain pipe	RM	70		
f	Installation Charges for A C units	QTY	6		
<b>10</b>	<b>FIRE ALARM SYSTEM</b>				
a	Supply & installation of 4 zone micro processor based fire control panel with transformer make- agnisurakshaagni / sensor system	NOS	1		
b	Supply & installation of smoke sensor. make- apollo/ sensor system	NOS	18		
c	Supply & installation of response indicator.	NOS	4		
d	Battery back-up.	NOS	2		
e	Manual call point. make- apollo	NOS	1		
f	Siren/ hooter. make- apollo	NOS	1		
g	Supply & laying of 1.5 sq mm armad cable for all sensor. make - national/ kalinga ( isi )	MTR.	284		
h	Supply and fixing of 75 x 50mm pvc raceway (make - M.K.)	MTR.	2		
<b>11</b>	<b>FIRE SPRINKLER WORK</b>				
a	Existing point of fire sprinklers to be shifted as per false ceiling ht. with flexible pipes.	NOS	42		
b	Fire butterfly valve for main line.	NOS	1		
<b>12</b>	<b>FURNITURE WORKS</b>				
a	Supply of student chairs Inc. Writing pad	NOS	124		
b	Supply of podium for classrooms	NOS	2		
c	Supply of green boards	NOS	2		

**BUDHIRAJA AND ASSOCIATES**

**ARCHITECTS, ENGINEERS, VALUERS & INTERIOR CONSULTANTS**

**(O): N – 7, LOWER GROUND, MALVIYA NAGAR, NEW DELHI – 110017**

**(R): C – 381, SHEIKH SARAI – I, NEW DELHI – 110017**

**E – MAIL: [budhirajaassociatesn7@gmail.com](mailto:budhirajaassociatesn7@gmail.com)**

**Mob: 98100-66599**

S. NO	Description of Goods	Unit	Qty.	RATE	AMOUNT
<b>1</b>	<b>PLUMBING WORKS</b>				
a	Providing & Fixing of GI Pipe (Class B. Medium Duty) with necessary fittings cutting & making including 2 coat Painting complete in all aspects (Make : Jindal Hissar)				
i	<b>25 mm dia</b>	R.M	205		
ii	<b>32 mm dia</b>	R.M	110		
iii	<b>40 mm dia</b>	R.M	48		
iv	<b>50 mm dia</b>	R.M	90		
b	Providing & Fixing of CPVC Pipe (SDR-11) with necessary fittings cutting & making including 2 coat Painting complete in all aspects (Make: Ashirwad/ Aatral)				
i	<b>25 mm dia</b>	R.M	54		
c	Providing & Fixing of UPVC Pipe (6Kg.) with necessary fittings cutting & making including 2 coat Painting complete in all aspects (Make : Supreme)				
i	<b>75 mm OD</b>	R.M	125		
ii	<b>110mm OD</b>	R.M	125		
d	Providing & Fixing or Brass Ball Valve 16kg complete in all aspects, (Make : Arco/Zoloto)				
i	<b>25 mm dia</b>	EACH	26		
ii	<b>32 mm dia</b>	EACH	3		
iii	<b>40 mm dia</b>	EACH	6		
iv	<b>50 mm dia</b>	EACH	5		
e	Providing & Fixing or Overhead PVC Tank complete in all aspects (Make: Sintex) 2000 ltr. X 2 Nos.	LTR.	4000		

**BUDHIRAJA AND ASSOCIATES**

**ARCHITECTS, ENGINEERS, VALUERS & INTERIOR CONSULTANTS**

**(O): N – 7, LOWER GROUND, MALVIYA NAGAR, NEW DELHI – 110017**

**(R): C – 381, SHEIKH SARAI – I, NEW DELHI – 110017**

**E – MAIL: [budhirajaassociatesn7@gmail.com](mailto:budhirajaassociatesn7@gmail.com)**

**Mob: 98100-66599**

f	Providing & Fixing of MS Pipe (Class C. Heavy Duty) with necessary fittings cutting & making including 2 coat Painting complete in all aspects (Make : Jindal Hissar)				
i	<b>25 mm dia</b>	R.M	7		
ii	<b>80 mm dia</b>	R.M	7		
iii	<b>100 mm dia</b>	R.M	32		
g	Providing & Fixing of C I <b>Butterfly Valve</b> (16 kg.) Pressure with Flange, Nut, Bolt & wasters etc. complete in all aspects (Make : Advance , Zoloto)				
i	<b>100 mm dia</b>	EACH	1		
h	Providing & Fixing of C I Non Return Valve (16 kg.) Pressure with Flange, Nut, Bolt & wasters etc. complete in all aspects (Make : Advance , Zoloto)				
i	<b>100 mm dia</b>	EACH	1		
i	Providing & Fixing of Gunmetal <b>Landing Valve</b> hydrants to type 'A' of I.S: 5290-1977 with 63mm Dia instantaneous spring Lock type G.M Female cupling of 63mm Dia for house pipe, complete in all aspects, (Make : Safeguard / Newage)	EACH	1		
j	Providing & Fixing of First Aid fire Hose Reel (with wall mounting swinging type drum complying to IS :884, Fitted with Thermo Plastic Synthetic reinforced material confirming to IS: 12589-1988, Type II 20mm Bore with standard size brass outlet and shut off valve, brackets, complete in all aspects (Make : Safeguard / Newage)	EACH	1		
k	Providing & Fixing of External Wall house box, wall mounting free standing type, made out of Fibre glass reinforced plastic of approved colours of 76.8 x 61.44 x 25.08 (30" x 24" x 10" )size to accommodate to 15m length of Delivery hoses & a branch pipes with glass fronted	EACH	1		

**BUDHIRAJA AND ASSOCIATES**

**ARCHITECTS, ENGINEERS, VALUERS & INTERIOR CONSULTANTS**

**(O): N – 7, LOWER GROUND, MALVIYA NAGAR, NEW DELHI – 110017**

**(R): C – 381, SHEIKH SARAI – I, NEW DELHI – 110017**

**E – MAIL: [budhirajaassociatesn7@gmail.com](mailto:budhirajaassociatesn7@gmail.com)**

**Mob: 98100-66599**

	double door with lock & Keys and break glass recess for keys, all complete (Make : Safeguard / Newage)				
l	Providing & Fixing stand short size Gun metal Branch Pipe with Gunmetal Nozzle 20mm nominal Bore outlet with standard instantaneous type 36mm dia coupling in all aspects. (Make; Safeguard /newage)	EACH	1		
m	Providing & Fixing of Synthetic Pyro protect/ Permaline flax Canvas. Non- percolating Fire Hose type B, RRL, ISI marked 63mm dia x 15m long with gunetal male & Female coupling (IS 903) bound & riveted to hose pipes with copper rivets and copper wire (make: Safeguard /newage)	EACH	2		
n	Dismantling, Shifting & Refixing of 5000 ltr. PVC Tank complete in all aspects.	EACH	4		
o	Dismantling of G I pipe with necessary fittings, compel in all aspects.				
i	<b>25 mm dia</b>	R.M	285		
ii	<b>32 mm dia</b>	R.M	92		
iii	<b>40 mm dia</b>	R.M	22		
iv	<b>50 mm dia</b>	R.M	20		
p	Dismantling of CPVC pipe with necessary fittings, complete in all aspects.				
i	<b>20 mm dia</b>	R.M	60		
ii	<b>25 mm dia</b>	R.M	65		
<b>2</b>	<b>MS WORKS</b>				
a	Providing & Fixing of MS Window in Corridor of size 3300 x 1500mm	NOS.	2		
b	Providing & Fixing of Railing on back side staircase near toilet block	L.S	1		
c	Providing & Fixing of MS Platform for shifting of existing water tank & Stairs for services	L.S	1		

**BUDHIRAJA AND ASSOCIATES**

**ARCHITECTS, ENGINEERS, VALUERS & INTERIOR CONSULTANTS**

**(O): N – 7, LOWER GROUND, MALVIYA NAGAR, NEW DELHI – 110017**

**(R): C – 381, SHEIKH SARAI – I, NEW DELHI – 110017**

**E – MAIL: [budhirajaassociatesn7@gmail.com](mailto:budhirajaassociatesn7@gmail.com)**

**Mob: 98100-66599**

<b>3</b>	<b>DISMANTLING WORKS</b>				
a	Dismantling of two existing columns and related beams.	L.S	1		
b	Disposal of malba from office to outside of the building. All scraps will be taken care by the contractor. Provided rate is for each trip. (100 sqft malba in one time)	NOS.	25		
<b>4</b>	<b>STRUCTURE WORKS</b>				
a	<b>WALL PANELS</b> : Providing & Fixing of 80mm Thick PUF Panel Inc. <b>Outer Sheeting</b> - 0.50 mm TCT PPGI coated steel having 240 MPA Yield, <b>Inner Sheeting</b> - 0.50mm TCT PPGI coated sheet steel having 240 MPA Yield Strength, <b>Insulation core</b> - supply of double skin PUR insulated sandwich wall panel having 80 mm core with 0.50 mm TCT PPGI in top & bottom skin. The PUR Panel shall be CFC free and Zero Ozone depleting panel using N pentane blowing Aget & made out of continuous line running on uninterrupted power supply. Panel shall have pre coated Galvalume sheet on both side of Polyurethane foam confirming to IS 12436:1988. The pre coated sheet shall be of minimum 240 MPA. The PPGI sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The panels shall be vertically joined together by tongue and groove joints. The PUR foam shall be self- extinguishing, fire retardant type having maximum density of 40 kg / cu.mt (+, -2Kgs)	SQ.M	620		
b	Providing & Fixing of single skin sheet 0.5mm PPGI, Inc. Insulation with 50mm 48 KG Density, thick Rockwool, one sided aluminium foil & Holding MS jail.	SQ.M	420		
c	Providing & Fixing of Honey comb Doors with complete accessories, size 1200 x 2100mm	NOS.	4		
d	Providing & Fixing of Honey comb Doors with complete accessories, size 750 x 2100mm	NOS	11		

**BUDHIRAJA AND ASSOCIATES**

**ARCHITECTS, ENGINEERS, VALUERS & INTERIOR CONSULTANTS**

**(O): N – 7, LOWER GROUND, MALVIYA NAGAR, NEW DELHI – 110017**

**(R): C – 381, SHEIKH SARAI – I, NEW DELHI – 110017**

**E – MAIL: [budhirajaassociatesn7@gmail.com](mailto:budhirajaassociatesn7@gmail.com)**

**Mob: 98100-66599**

e	Providing & fixing of Alu -T with accessories.	RMT	90		
f	Providing & Fixing of U channel & Flashings.	L.S	1		
g	Providing & Fixing of Steel Structure for the entire area.	L.S	1		
<b>5</b>	<b>CIVIL WORKS</b>				
a	Providing & Laying of 4 inch thick PCC on the surface.	SQ.FT	3,720		
b	<b>8" thk cement brick blocks:</b> Providing and laying <b>cement brick blocks</b> in cement mortar 1:5 (1 cement: 5 coarse sand) in <b>Full brick</b> (230 mm thk) including racking out joints scaffolding, curing etc. all complete as directed.	SQ.FT	920		
c	<b>4" thk Brick Masonry :</b> Providing and laying <b>brick work</b> in cement mortar 1:5 (1 cement : 5 coarse sand) in <b>Full brick</b> (230 mm thk) including racking out joints scaffolding, curing etc. all complete at all height/floor all complete as directed.	SQ.FT	110		
d	<b>Cement Plaster:</b> Providing and laying 12-15mm thick plaster in Cement mortar 1:6 (1cement : 2 coarse sand : 4 fine sand) to all types of RCC work (small or big) brick/stone work surfaces including parapet, wall tops, jambs and sill etc.at all levels, in line, level and plumb as shown in detailed drawings, as directed including providing necessary bands, drip moulds, tapak, grooves & wire mesh at all the junctions of walls and ceiling, walls and frames for doors or windows, around skirting/dado or at other places as directed, including raking out the joints or roughening the RCC surfaces, necessary curing, scaffolding etc., complete as directed and specified.	SQ.FT	2,360		
e	Providing & fixing of granite counter top with moulding finish	SQ.FT	40		
f	Providing waterproofing on toilet floor & up to 2' height on vertical walls	SQ.FT	835		
<b>6</b>	<b>INTERIOR WORKS</b>				

**BUDHIRAJA AND ASSOCIATES**

**ARCHITECTS, ENGINEERS, VALUERS & INTERIOR CONSULTANTS**

**(O): N – 7, LOWER GROUND, MALVIYA NAGAR, NEW DELHI – 110017**

**(R): C – 381, SHEIKH SARAI – I, NEW DELHI – 110017**

**E – MAIL: [budhirajaassociatesn7@gmail.com](mailto:budhirajaassociatesn7@gmail.com)**

**Mob: 98100-66599**

<b>I</b>	<b>JOINERY WORKS</b>				
a	Providing & fixing of modular toilet cubical of size; 1500 X 1500 mm with overall height 1980 mm (including bottom Gap of 150 mm), Door (1750 X 610 mm) which includes – SS"U" Channel, SS "F" channel, SS Top Rail, SS Coat Hook, SS Privacy Thumb turn c/w occupancy indicator, SS door Knob, SS Hinges with cover, SS Adjustable Foot, rubber lining for groove, S.S Screws 304 G & P.V.C Wall Plugs	NOS.	2		
b	Providing & fixing of modular toilet cubical of size 1200 X 1500 mm with overall height 1980 mm (including bottom Gap of 150 mm) Door (1750 X 610 mm) which includes – SS "U" Channel, SS "F" Channel, SS Top rail, SS Coat Hook, SS Privacy Thumb turn c/w occupancy indicator, SS Door Knob, SS Hinges with cover, SS adjustable Foot, Rubber Lining for groove, S.S Screws 304 G & P.V.C Wall Plugs	NOS.	4		
<b>II</b>	<b>CEILING &amp; DOORS</b>				
a	Providing and fixing Gypsum False Ceiling which includes G.I. Perimeter Channels of size 0.55 mm thick ( having One Flange of 20 mm. and another flange of 30 mm and a web of 27 mm ) along with perimeter of ceiling, screw fixed to brick wall / partition with the help of Nylon sleeves and screws at 610mm centres. Then suspending G.I. intermediate channels of size 45mm (0.9mm thick with 2 flanges of 15 mm each) from the soffit at 1220 mm centres with ceiling angle of width 25 mm X 10 mm X 0.55 mm thick fixed to soffit with G.I. cleat and steel expansion fasteners. Ceiling section of 0.55mm thick having knurled web of 51.5 mm and 2 flanges of 26 mm each with lips of 10.5 mm are then fixed to the intermediate channel with the help of	SQ.FT	2200		



**BUDHIRAJA AND ASSOCIATES**

**ARCHITECTS, ENGINEERS, VALUERS & INTERIOR CONSULTANTS**

**(O): N – 7, LOWER GROUND, MALVIYA NAGAR, NEW DELHI – 110017**

**(R): C – 381, SHEIKH SARAI – I, NEW DELHI – 110017**

**E – MAIL: [budhirajaassociatesn7@gmail.com](mailto:budhirajaassociatesn7@gmail.com)**

**Mob: 98100-66599**

	connecting clips and in direction perpendicular to the intermediate channel at 450 mm centres.				
b	<b>GRID TILE CEILING</b> : Providing & Fixing of Armstrong Mineral Fibber Acoustical Suspended Ceiling System with regular edge tiles should have Humidity Resistance (RH) of 99%, NRC as mention below, Light Reflectance >85%, Thermal Conductivity k = 0.052- 0.057 w/m K, Colour White,	SQ.FT	1800		
c	Supply and fixing of Iron door of size 900 x2100mm, Backside of staircase	NOS.	1		
d	Providing & fixing of 38mm thick solid core Flush Door with Laminate on both side with duly polished 10mm thick Maple wood lipping all-round the shutters including providing and fixing Ball baring hinges, door stoppers, rubber buffers complete as per detail (Size:750 x 2100 mm )	NOS.	3		
<b>III</b>	<b>FLOORING</b>				
a	Providing & Laying in flooring & flooring bands Vitrified Ceramic Tiles of approved shade over a bed of 25-30mm thick cement mortar (1:4) laid to patterns with Laticrete or equivalent" make Epoxy stain free ( SP-100) or Saint-Gobain grout i/c necessary cutting, mitring, curing, cleaning etc. complete as per detailed drawings, pattern and specification.	SQ.FT	3720		
b	Providing & fixing of Vitrified Wall Tiles of approved shade over a bed of 25-30mm thick cement mortar (1:4) laid to patterns with Laticrete or equivalent" make Epoxy stain free ( SP-100) or Saint-Gobain grout i/c necessary cutting, mitring, curing, cleaning etc. complete as per detailed drawings, pattern and specification.	SQ.FT	1450		
c	Providing & fixing of aluminium skirting.	R.FT	430		
d	Providing & fixing of (600 x100) vitrified tile skirting for washroom.	R.FT	240		

**BUDHIRAJA AND ASSOCIATES**

**ARCHITECTS, ENGINEERS, VALUERS & INTERIOR CONSULTANTS**

**(O): N – 7, LOWER GROUND, MALVIYA NAGAR, NEW DELHI – 110017**

**(R): C – 381, SHEIKH SARAI – I, NEW DELHI – 110017**

**E – MAIL: [budhirajaassociatesn7@gmail.com](mailto:budhirajaassociatesn7@gmail.com)**

**Mob: 98100-66599**

IV	FINISHING WORKS				
a	<b>Plastic emulsion paint:</b> - Providing and applying on Walls & Gypsum Ceiling including surface preparation, primer coats, levelling Patti and minimum 3 coats of brush and roller finish.	SQ.FT	5000		
b	Providing and applying <b>Plaster of Paris</b> punning of average thickness 12-15mm to existing wall /true ceiling surfaces in true level and plumb complete as directed.	SQ.FT	1295		
c	Providing & Fixing of looking mirror, size 2100 x 900mm	NOS.	2		
d	Providing & Fixing of looking mirror, size 1500 x 1800 mm	NOS.	1		
e	Providing & Fixing of Aluminium powder coated window with 6mm toughened Glass, Size: 1500 x 1200 mm	NOS.	10		
f	Providing & Fixing of Aluminium powder coated window with 6mm toughened Glass, Size: 3300 x 1500mm	NOS.	2		
g	Providing & Fixing of Fenesta UPVC window with 6mm toughened Glass, Size: 1500 x 1200 mm	SQ.FT	20		
h	Providing & Fixing of Fenesta UPVC window with 6mm toughened Glass, Size: 3300 x 1500mm	SQ.FT	55		
i	<b>Roller Blinds :-</b> Providing & fixing roller blinds comprising of polymer coated fibre fabric with minimum openness factor of 3% as per AS standards. The fabric shall be fire retardant and have high heat reflection ratios. The roller mechanism shall be a moulded unit made from engineering grade plastic polymer with steel spring support. The fabric shall be finished on the sides with edge tape duly welded for waviness control. The fabric shall be attached to the roller tube with high quality self-adhesive tape. Average width of blinds shall be 1800mm and fall of 2400mm with manual operation.	SQ.FT	200		
j	Providing & Fixing of Glass Film on the Windows	SQ.FT	310		
<b>7</b>	<b>SANITARY WORKS</b>				

**BUDHIRAJA AND ASSOCIATES**

**ARCHITECTS, ENGINEERS, VALUERS & INTERIOR CONSULTANTS**

**(O): N – 7, LOWER GROUND, MALVIYA NAGAR, NEW DELHI – 110017**

**(R): C – 381, SHEIKH SARAI – I, NEW DELHI – 110017**

**E – MAIL: [budhirajaassociatesn7@gmail.com](mailto:budhirajaassociatesn7@gmail.com)**

**Mob: 98100-66599**

a	Providing & fixing of wall hung WC with quiet – close seat cover (kohler)	NOS.	6		
b	Providing & fixing concealed cistern for wall hung WC in toilet (Geberit/Grohe/Kohler)	NOS.	6		
c	Providing & fixing of wash basin in toilet	NOS.	7		
d	Providing & fixing of urinal with rear inlet	NOS.	8		
e	Providing & Fixing of sensor for urinals	NOS.	8		
f	Providing & Fixing of Glass Divider	NOS.	6		
g	Providing & Fixing of CP fittings for toilet area	L.S	1		
h	Providing & Fixing of PVC & CPVC pipes for inlet & outlet of water	L.S	1		
i	Supply & Fixing of 2000 Ltr. Water Tank	NOS.	2		
j	Providing & Fixing Inline fan with GI sheet for male & Female Toilet Inc. Ducting, Grill Diffusers, all necessary requirements.	L.S	1		
<b>8</b>	<b>ELECTRICAL WORKS</b>				
a	Total cost of socket outlets point supply through ups/raw power for complete area Inc. wiring, conduits, raceway& switch socket, light fixture, DBs & all input output wiring Inc. Washroom	SQ.FT	3658		
<b>9</b>	<b>NETWORKING &amp; VOICE WORKS</b>				
a	Supply & Fixing of 32mm dia heavy PVC conduits (for data/ voice wiring) Complete with all fixing accessories.	R.M	190		
b	Supply & Fixing of anodised MS box as/ face plate size for data & voice outlet. Size 3 x 3	NOS.	10		
c	Cat 6 redundant data information outlet user side (in green colour) Inc. With face plate.	NOS.	600		
d	Cat 6 active data information outlet user side (in blue colour) Inc. face plate.	NOS.	12		

**BUDHIRAJA AND ASSOCIATES**

**ARCHITECTS, ENGINEERS, VALUERS & INTERIOR CONSULTANTS**

**(O): N – 7, LOWER GROUND, MALVIYA NAGAR, NEW DELHI – 110017**

**(R): C – 381, SHEIKH SARAI – I, NEW DELHI – 110017**

**E – MAIL: [budhirajaassociatesn7@gmail.com](mailto:budhirajaassociatesn7@gmail.com)**

**Mob: 98100-66599**

e	Cat 6 active voice information outlet user side (in yellow colour) Inc. face plate.	NOS.	2		
f	Providing & Fixing of Dynamic 6U rack	NOS.	1		
g	Providing & Fixing of Gigabyte Switch	NOS.	1		
h	Providing & Fixing of 24 port patch panel loaded	NOS.	1		
<b>10</b>	<b>HVAC WORKS</b>				
a	Supply of 3 Ton Daikin Cassette Unit	NOS.	2		
b	Supply of 2.2 Ton Daikin Cassette Unit	NOS.	4		
b	Supply of AC Stands	NOS.	6		
c	Providing and laying copper pipe.	R.M	108		
d	Providing and laying of Electric wire.	R.M	102		
e	Providing and laying of Drain pipe	R.M	70		
f	Installation Charges for A C units	QTY.	6		
<b>11</b>	<b>FIRE ALARM SYSTEM</b>				
a	Supply & installation of 4 zone microprocessor based fire control panel with transformer make- agnisurakshaagni / sensor system	NOS.	1		
b	Supply & installation of smoke sensor. make- Apollo/ sensor system	NOS.	18		
c	Supply & installation of response indicator.	NOS.	4		
d	Battery back-up.	NOS.	2		
e	Manual call point. make- Apollo	NOS.	1		
f	Siren/ hooter. make- Apollo	NOS.	1		
g	Supply & laying of 1.5 sq.mm armad cable for all sensor. make - national/ Kalinga ( isi )	MTR.	284		
h	Supply and fixing of 75 x 50mm PVC raceway (make - M.K.)	MTR.	2		
<b>12</b>	<b>FIRE SPRINKLER WORK</b>				

**BUDHIRAJA AND ASSOCIATES**

**ARCHITECTS, ENGINEERS, VALUERS & INTERIOR CONSULTANTS**

**(O): N – 7, LOWER GROUND, MALVIYA NAGAR, NEW DELHI – 110017**

**(R): C – 381, SHEIKH SARAI – I, NEW DELHI – 110017**

**E – MAIL: [budhirajaassociatesn7@gmail.com](mailto:budhirajaassociatesn7@gmail.com)**

**Mob: 98100-66599**

a	New point of fire sprinklers to be make as per false ceiling ht. with flexible pipe.	NOS.	42		
b	Fire butterfly valve for main line.	NOS.	1		
<b>13</b>	<b>FURNITURE WORKS</b>				
a	Supply of student chairs Inc. Writing pad	NOS.	124		
b	Supply of podium for classrooms	NOS.	2		
c	Supply of green boards	NOS.	2		

**BUDHIRAJA AND ASSOCIATES**

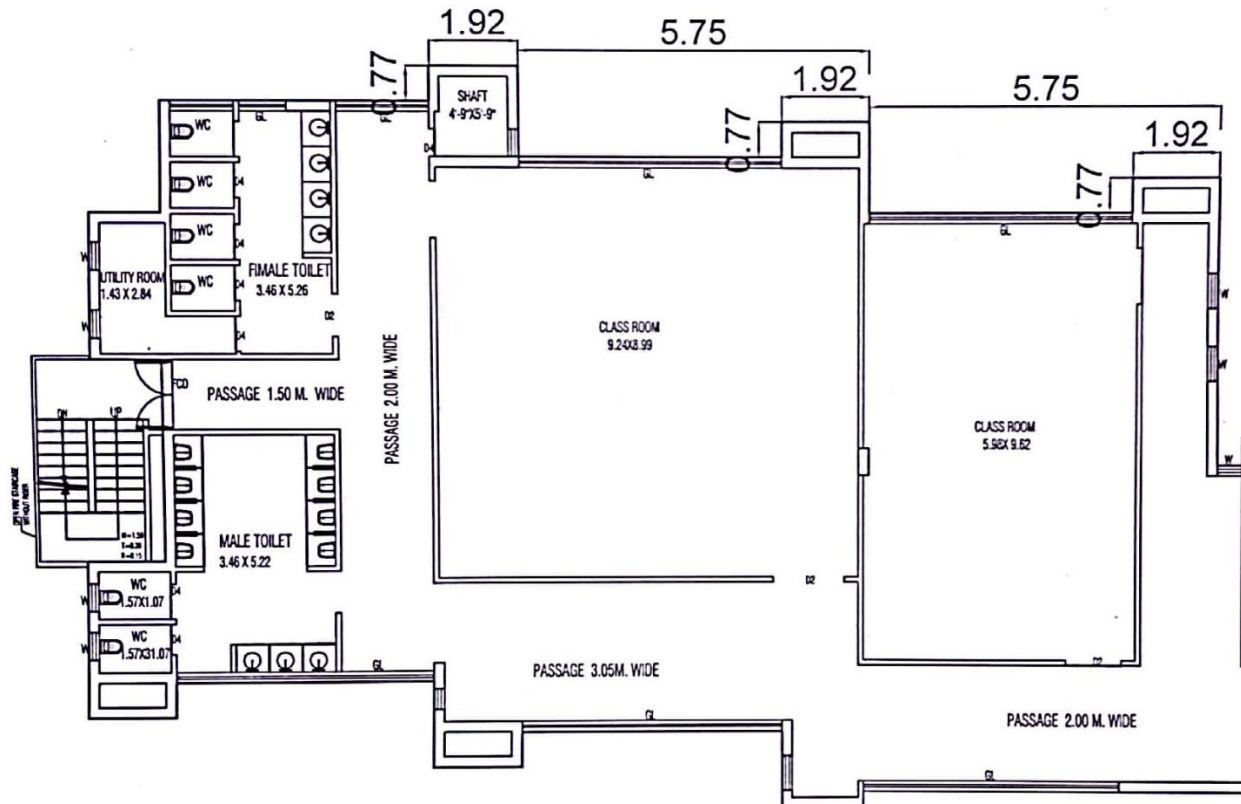
**ARCHITECTS, ENGINEERS, VALUERS & INTERIOR CONSULTANTS**

**(O): N - 7, LOWER GROUND, MALVIYA NAGAR, NEW DELHI - 110017**

**(R): C - 381, SHEIKH SARAI - I, NEW DELHI - 110017**

**E - MAIL: [budhirajaassociatesn7@gmail.com](mailto:budhirajaassociatesn7@gmail.com)**

**Mob: 98100-66599**



**FORTH FLOOR PLAN**