

AVINASHILINGAM INSTITUTE FOR HOME SCIENCE AND HIGHER EDUCATION FOR WOMEN,
COIMBATORE - 641 043

Modification of Class rooms over the First floor of School of Allied and Healthcare Sciences - Phase - I

ANNEXURE - I

PRICE BID

S.I No	Description of works	Quantity	Rate in figures	Rate in words	Per	Amount
	<u>SECOND FLOOR</u>					
1	<u>DISMANTLING</u>					
1.1	Dismantling the existing Galvanized Iron sheet roof with M.S.sections of rafters, purlins, columns etc., and stacking the materials is in Good conditions as per the Engineer directions etc., complete.	302.00 m ²			m ²	
1.2	Dismantling the existing dummy column in brick jelly with surki mortar by manually / mechanically including with disposal of the debris clearing away from site etc., complete.	2.00 m ³			m ³	
1.3	Dismantling the existing Brick / Stone masonry wall by manually / mechanically & stacking the stones in Good conditions as per the Engineer directions and disposal of the debris clearing away from site etc., complete.	12.00 m ³			m ³	

1.4	Dismantling the existing Granolythic / weathering course with cement flooring in above the ground floor roof slab by manually / mechanically in the average thickness of 75mm including disposal of the debris clearing away from site etc., complete.	350.00 m ²			m ²	
1.5	Rebaring 12mm dia on existing RCC slab at 150mm depth including with suitable chemical for anchoring all materilas and labour charges etc., complete.	120.00 Nos			Nos	
2	<u>REINFORCED CEMENT CONCRETE</u>					
	Ready mixed - Reinforced Cement Concrete mix of Grade M20 with 20mm graded coarse aggregate, M.sand, Ready mixed concrete (without flyash) including all necessary centering, shuttering, formwork, supports, cross bracing, etc., consolidating with power drive mechanical vibrators, curing, deshuttering carefully, making roughening and or hacking exposed concrete surfaces for key for plastering, grinding with carborandum stone over concrete spills / level difference in joints of concrete etc., providing all necessary holes, cutouts, slits and depressions,etc., in formwork and concrete to place pipelines for ancillary services in any form as shown in the drawing including with all materials, labour charges and curing etc., complete.					
2.1	Columns	6.00 m ³			m ³	

2.2	Lintel beams - 230mm x 150mm	89.00 Rm			Rm	
2.3	Sill beams - 230mm x 75mm	89.00 Rm			Rm	
2.4	Sunshades - 610mm x 75mm thick	38.00 m ²			m ²	
2.5	Slabs	3.00 m ³			m ³	
3	<u>STEEL WORKS</u>					
3.1	Providing and fabricating reinforcement for RCC work with high yield strength of Thermo Mechanically Treated bars of various diameters of grade Fe 500 by using SAIL / VIZAG conforming to BIS specification including cutting,bending, fabricating and placing in position according to drawings and binding the reinforcement with the use of 18 gauge galvanized annealed binding wire of double fold and providing precast cement cover blocks for main reinforcements to ensure specified cover according to relevant IS code.The measurements will be in accordance with IS code 1200 for all works including with all materials, trnsporation and labour charges etc., complete.	2.50 M.T			M.T	

3.2	Supplying, fabricating and fixing the structural steel works by using M.S.sections of SAIL / VIZAG with welding conveying, hoisting and erecting in position all structural steel viz. stanchions, lattices, girders,trusses, purlins,cladding runner bracing gantry girders etc., as per design and specification etc. aligning them to plumb and required level using all types of fastenings inclusive of foundation bolts and necessary brackets welded to the columns and a prime coat of red oxide paint, two coats of ASIAN APCOLITE PREMIUM SYNTHETIC ENAMEL paint including with all materials, labour charges and transporation etc., complete.	10.00 M.T			M.T	
4	<u>ROOF</u>					
4.1	Supplying and fixing of 'METECNO' factory insulated PUF sandwich panel glamet 50mm thick, external & internal steel in 0.5mm & 0.4mm thick PPGL, external & internal coating, external & internal colour in standard RAL shade, insulation with rigid polyurethane foam (IS 12436/Bs), density 40+/- 2KG/M3. Effective cover width of the panel will be 1000mm including with suitable fasteners, bitumen washers, all materials, labour charges and transportation etc., complete.	532.00 m ²			m ²	
4.2	Supplying and fixing of 0.50mm thick Galvanized Iron sheet for Ridge area of the puf sheet roof. The above ridge sheet width is should be 1.52m including with over lapping, suitable fasteners, bitumen washers, all materials, labour charges and transportation etc., complete.	31.00 Rm			Rm	

5	<u>MASONRY WORKS</u>					
5.1	<p>Providing & constructing Brick masonry 9" & above in sub / super structure using first quality wire cut bricks of minimum crushing strength of 35-40 kg / sq.cm, soaking the bricks in approved manufacturer, with a water for minimum two hours including all scaffolding, staging, curing, all labour, hire and fuel charges for all tools ancomplete and as directed in cement mortar 1:6 (1 part of cement & 6 parts of M.sand) at all levels including scaffolding, curing, raking out of joints etc., complete. The rate to be inclusive of closing the gap between the masonry and RCC beam finished to required slope including with all materials, labour charges and curing etc., complete. Note : The width of the joints not to exceed 12mm.</p>	32.00 m ³			m ³	
5.2	<p>Providing & constructing of Aerocon block masonry by using 600mm x 150mm x 200mm size of Aerocon block in Birla Aerocon block joining mortar 3mm to 4mm of joining bond. The 40 kg of the block joining mortar should be added 10 to 12 litres water in the joining mortar bag / 3:1 (3 Powder and 1 Water) including with all materilas, labour charges and transporation etc., complete.</p>	196.00 m ²			m ²	

5.3	<p>Providing & constructing Coursed Rubble masonry 18" & above in sub / super structure by using existing dismantled stone in cement mortar 1:6 (1 part of cement & 6 parts of M.sand) at all levels including with flush pointing in Cement Mortar 1:3, for one side wall with suitable scaffolding, curing, raking out of joints etc., complete. The rate to be inclusive of closing the gap between the masonry and RCC beam finished to required slope including with all materials, labour charges and curing etc., complete.</p>	3.00 m ³			m ³	
5.4	<p>Providing & constructing 4-1/2" thick brick masonry wall using first quality wire cut bricks of approved manufacturer, with a minimum crushing strength of 35-40 kg / sq.cm, soaking the bricks in water for minimum two hours including all scaffolding, staging, curing, all labour, hire and fuel charges for all tools and plants employed, all lifts, etc., complete and as directed in cement mortar 1:4 (1 part of cement & 4 parts of M.sand) providing hoop iron bands at each and every fourth layer including scaffolding, curing, raking out of joints etc.,complete. The rate to be inclusive of closing the gap between the masonry and RCC beam finished to required slope including with all materials, labour charges and curing etc., complete. Note : The width of the joints not to exceed 12mm.</p>	45.00 m ²			m ²	

6	PLASTERING					
6.1	<p>Providing and applying in one coat, 15mm thick internal plaster for INTERNAL SURFACE of brick / block with cement mortar 1:5 (One parts of cement and 5 parts of P.sand), finished smooth with extra cement finishing if required, or according to specifications. Rate shall include for providing plaster buttons, grooves, corners, sills, pattas, projections, borders, drip moulds and curing, surface preparation before the application of plaster, providing galvanized chickenmesh to a width of 6" at the junctions of any dissimilar materials including tying in position by using suitable nails/ clamps/screws. The rate shall include the cost of scaffolding of all heights, all materials, labour charges and curing, etc., complete.</p>	335.00 m ²			m ²	
6.2	<p>Providing and applying 18mm thick EXTERNAL SURFACE plaster for external wall, concrete surface finish as approved in c.m.1:5 mix (1 part of cement and 5 parts of P.sand) as per specification and as directed. The rate should be inclusive of all scaffolding for single as well as double / multiple height areas, surface preparation, curing and providing sills, pattas, corners, borders, projections, drip moulds, grooves, etc., complete. The rate to be inclusive providing galvanized chickenmesh to a width of 6" at the junctions of masonry and concrete works including tying in position by using suitable nails / clamps / screws, all materials, labour charges and curing etc., complete.</p>	210.00 m ²			m ²	

7	FLOORING					
7.1	<p>Providing and laying flooring with 600mm x 600mm x 8mm thick size of Vitrified tiles in Cement Mortar 1:4 (1 part of cement and 4 parts of M.sand), 20mm thick cement mortar including surface preparation with 3mm spacer using inbetween two tiles, applying neat cement float, giving necessary slopes, cleaning joints and grouting them in epoxy grouts of laticrete or equivalent to match the shade of the tile including with all materials, labour charges and curing etc., complete.</p> <p>Note:- The basic cost of tile is Rs.60 /- sq.ft</p>	300.00 m ²			m ²	
7.2	<p>Providing and laying of anti skid Ceramic glazed floor tiles of size 305x305x6mm thickness to be specified by the manufacturer of 1st quality approved make, in all colours @ shades laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 M.sand), including pointing the joints with white cement and matching pigments, all materials, labour charges and curing etc., complete.</p> <p>Note:- The basic cost of tile is Rs.60/-sq.ft</p>	6.00 m ²			m ²	

7.3	<p>Providing and laying glazed wall tiles of 300mmx200mmx6mm approved make, in all colours and shades size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 10 mm thick bed of cement mortar 1:2 (1 Cement : M.sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade, all materials, labour charges and curing etc., complete.</p> <p>Note:- The basic cost of tile is Rs.60/-sq.ft</p>	35.00 m ²			m ²	
8	<u>JOINERIES</u>					
8.1	<p>Supplying and fixing of 'GI' steel flush doors using levelled GI Sheet with zinc coating outer & shutter frames and 35mm thick G.I.Flush shutters providing 0.6mm thick top and lower skins filled with PUF, Wooden inserts, and all other accessories with one coat of suitable primer over G.I.Surface including with all materials, labour charges and transportation etc., complete.</p>	20.00 m ²			m ²	
8.2	<p>Supplying and Fixing of doors (FRP doors) using solid wooden core moulded with fibre glass outer frames and solid wooden core moulded with fibre glass flush door shutters using all accessories like Hinges, Tower bolts, Handles, coat hooks (all of approved make M.S. powder coated) packing neatly in masonry etc., complete. The rate should be inclusive of all materials, Labours, Conveyance and fixing charges etc., complete.</p>	6.00 m ²			m ²	

8.3	<p>Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) EITI Brand Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with Espag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The window should be got approved from the Engineer before use on work.</p>	35.00 m ²			m ²	
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8.4	<p>Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) EITI Brand Louvered Ventilators of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with all over the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work</p>	2.00 m ²			m ²	
8.5	<p>Supplying, Fabrication and fixing of MS Grills by using 12 mm square polished rods for windows and ventilators etc., including materials, labour conveyance and fixing charges etc complete.</p>	900.00 kg			kg	
9	<u>FALSE CEILING</u>					
9.1	<p>Supplying and fixing Grid false ceiling with 10mm thick particle mineral board Armstrong tegular edge perforated tiles 600mm x 600mm x 12mm and forming a grid of 300mm x 300mm x 0.9mm, anchored to the ceiling with dash fasteners of 12.50mm dia, 40mm long 6mm dia bolt and nut to the hanger of 25x25x5mm of required length including with all materials and labour charges etc., complete.</p>	300.00 m ²			m ²	

10	<u>PAINTING</u>				
10.1	Providing and applying two coats of ASIAN ROYALE SHYNE LUXURY EMULSION to all INTERIOR internal walls / ceiling of approved colour over a coat of base primer and one coat of kottayam white cement for only plastered surface including preparation of surface by through cleaning and wetting and if need necessary patch readymade putty of "Altek or "Wall care" or equivalent as per manufacturer specification fully to give a smooth and even surface before painting and curing as per manufacturers specifications and as directed.	528.00 m ²			m ²
10.2	Providing and applying two coats of ASIAN APEX ULTIMA PROTEK TOP COAT to all EXTERIOR walls of approved colour over a coat of base primer and one coat of kottayam white cement including preparation of surface by through cleaning and wetting and if need necessary patch readymade putty of "Altek or "Wall care" or equivalent as per manufacturer specification fully to give a smooth and even surface before painting and curing as per manufacturers specifications and as directed.	210.00 m ²			m ²
10.3	Providing and applying two coats of ASIAN APCOLITE PREMIUM SYNTHETIC ENAMEL paint for New iron works including with over a coat of primer, all materials and labour charges etc., complete.	70.00 m ²			m ²

11	<u>G.I SHEET CLADDING WORKS</u>					
11.1	Fixing the existing dismantled G.I.Sheet for cladding works with necessary fittings, screws, bitumen washer, all materials and labour charges etc., complete.	110.00 m ²			m ²	
12	<u>WEATHERING COURSE WITH PRESSED TILES</u>					
12.1	Weathering course by using concrete broken brick jelly 20mm in size in pure slacked lime over RCC roof slab,the proportion(being 32:12.5) for required depth of 30mm. for giving required slope and thickness to roof as required, beaten with wooden beating knife to required slopes for an average thickness of 100mm at all leads and top with 230x230x20mm pressed tiles in CM 1:4, 20mm thick using water proofing compound at 1% by weight of cement used including pointing in CM 1:3 with red oxide powder, all materials, labour charges and curing etc. complete	120.00 m ²			m ²	

Total Rs.

In words

Signature of the contractor with his seal

13	<u>BUILDING PLAN APPROVAL</u>					
13.1	The Contractor has to arrange for getting required building plan approvals from appropriate authorities.	1.00 job			job	

Total Rs.

In words

Signature of the contractor with his seal