

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

Construction of Class rooms over the Ground floor of School of Allied and Healthcare Sciences - Phase - II

ANNEXURE - I

PRICE BID

S.I No	Description of works	Quantity	Rate in figures	Rate in words	Per	Amount
	<u>FIRST FLOOR</u>					
1	<u>DISMANTLING</u>					
1.1	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.	381.00 m ²			m ²	
1.2	Dismantling the existing dummy column in brick jelly with surki mortar by manually / mechaically including with disposal of the debris clearing away from site etc., complete.	10.00 m ³			m ³	
1.3	Dismantling the existing brick masonry wall by manually / mechanically including with disposal of the debris clearing away from site etc., complete.	12.00 m ³			m ³	

1.4	Dismantling the existing Asbestos Cement sheet roof with M.S.sections of rafter & purlin etc., and stacking the materials is in Good condition as per the Engineer directions etc., complete.	33.00 m ²			m ²	
2	<u>REINFORCED CEMENT CONCRETE</u>					
	Reinforced Cement Concrete mix of Grade M20, 1:11/2:3 (1 part of cement, 1.5 parts of M.sand and 3 parts of aggregates) with 20mm graded coarse aggregate, M.sand, 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	14.00 m ³			m ³	
2.2	Roof beams	24.00 m ³			m ³	
2.3	Roof slabs	52.00 m ³			m ³	

2.4	Lintel beams - 230mm x 150mm	137.00 Rm			Rm	
2.5	Sill beams - 230mm x 75mm	152.00 Rm			Rm	
2.6	Staircase slabs	5.00 m ³			m ³	
2.7	Dropwalls - 910mm x 75mm thick	39.00 m ²			m ²	
2.8	Sunshades - 610mm x 75mm thick	18.00 m ²			m ²	

3	<u>REINFORCEMENT STEEL WORKS</u>				
3.1	<p>Providing and fabricating reinforcement for RCC work with high yield strength of Thermo Mechanically Treated bars of various diameters of grade Fe 500 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, transportation and labour charges etc., complete.</p>	12.00 M.T			M.T
4	<u>MASONRY WORKS</u>				
4.1	<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 incomplete 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>	111.00 m ³			m ³

5	PLASTERING					
5.1	<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 finishng 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 glavanized 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>	628.00 m ²			m ²	

5.2	<p>Providing and applying in one coat, 10mm thick cement plaster for INTERNAL SURFACE OF RCC like walls, ceiling, beams with cement mortar 1:3 (1 part of cement and 3 parts of P.sand) finished smooth with extra cement finishing if required including closely hacking - 3/4" on both sides according to specifications. The rate shall include for providing plaster buttons, grooves, borders, corners, sills, pattas, projections, 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 material including tying in position by using suitable nails / clamps / screws. The rate shall include necessary scaffolding of all heights, all materials, labour charges and curing, etc., complete.</p>	600.00 m ²			m ²	
5.3	<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>	331.00 m ²			m ²	

6	<u>FLOORING</u>					
6.1	<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, 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.40/-sq.ft</p>	381.00 m ²			m ²	
6.2	<p>Providing and laying flooring (Granolythic Flooring) by using 6mm to 12.5mm size of HBGS jelly in the thickness of 25mm thick bed of cement concrete 1:2:4 (1 part of cement, 2 parts of M.sand and 3 parts of aggregates) including surface preparation, applying neat cement float, with 3mm thick grooving, giving necessary slopes, cleaning joints including with all materials, labour charges and curing etc., complete.</p>	40.00 m ²			m ²	
7	<u>JOINERIES</u>					
7.1	<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 providig 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 materilals, labour charges and transporation etc., complete.</p>	29.00 m ²			m ²	

7.2	Supplying and fixing of UPVC Windows (EITI Brand) and using UPVC standard profiles for outer frames, shutter frames and mullions completed by fusion welding. All the shutters are fitted with 5mm thick clear glass using suitable glass beads, Best quality handles, hinges, EPDM gaskets anchor fasteners and sealant are to be provided. The rate should be inclusive of all materials, labours, conveyance and fixing charges etc.,	63.00 m ²			m ²	
7.3	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.	1000.00 kg			kg	
8	<u>HANDRAILS</u>					
8.1	Supplying, Fabricating and fixing of Handrails with 304 Grade stainless steel pipes as per architectural details including all joints etc., complete. Note:- The handrail drawing is as per the Engineer directions.	38.00 m ²			m ²	
9	<u>PAINING</u>					
9.1	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 including preparation of surface by through cleaning, wetting and if need applying 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.	1275.00 m ²			m ²	

9.2	<p>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 applying 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.</p>	331.00 m ²			m ²	
9.3	<p>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.</p>	70.00 m ²			m ²	

	<u>TERRACE FLOOR</u>				
10	<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.				
10.1	Columns	2.00 m ³			m ³
10.2	Lintel beams - 230mm x 150mm	2.00 Rm			Rm
10.3	Sill beams - 230mm x 75mm	30.00 Rm			Rm

10.4	Plain Cement Concrete in 1:3:6 (1 part of cement, 3 parts of M.sand and 6 parts of aggregates) for dummy columns by using 40mm HBGS including with all materials, labour charges and curing etc., complete.	3.00 m ³			m ³	
11	<u>REINFORCEMENT STEEL WORKS</u>					
11.1	Providing and fabricating reinforcement for RCC work with high yield strength of Thermo Mechanically Treated bars of various diameters of grade Fe 500 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, transportation and labour charges etc., complete.	0.90 M.T			M.T	

12	<u>MASONRY WORKS</u>					
12.1	<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>	29.00 m ³				m ³
13	<u>PLASTERING</u>					
13.1	<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 finishng 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 glavanized 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>	60.00 m ²				m ²

13.2	<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>	276.00 m ²			m ²	
14	<u>HEADROOM ROOFING</u>					
14.1	<p>Supplying and fixing of 0.40mm thick semi corrugated G.I. Sheet roof with necessary fittings, all materials support by using M.S. sections with elding, cutting, painting with two coats of synthetic enamel paint, over a coat of zinc chromate etc., complete.</p> <p>Note:- The roof drawing is as per the Engineer directions.</p>	35.00 m ²			m ²	

15	<u>JOINERIES</u>					
15.1	<p>Manufacturing, Supplying and Fixing of SINGLE SHUTTER steel doors with following specification. The outer frame by using MS angles of size 50x50x6mm at 4.5 kg/m and The shutter frame by using MS square tubes of size 40x40x3.25mm at 3.61 kg/m, CR sheet 18 gauge using, MS flat 20 x 6mm using for stiffners including with one coat of Zinc chromate and two coats of synthetic enamel paint, Heavy duty hinges, Tower bolt 200mm x 12mm, Hold fast 120mm long, Aldrop 250mm x 16mm and labour charges, transportation, loading, unloading etc., complete. The door dimension is 1.07m x 2.13m</p>	1.00 No			Nos	
16	<u>FLOORING</u>					
16.1	<p>Providing and laying flooring (Granolythic Flooring) with water proof compound by using 6mm to 12.5mm size of HBGS jelly in the average thickness of 75mm thick bed of cement concrete 1:2:4 (1 part of cement, 2 parts of M.sand and 3 parts of aggregates) including surface preparation, applying neat cement float, with 3mm thick grooving, giving necessary slopes, cleaning joints including with all materials, labour charges and curing etc., complete.</p>	381.00 m ²			m ²	

17	<u>PAINING</u>					
17.1	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 including preparation of surface by through cleaning and wetting and applying 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.	60.00 m ²			m ²	
17.2	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 applying 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.	280.00 m ²			m ²	

Total Rs.

In words

Signature of the contractor with his seal

18	<u>BUILDING PLAN APPROVAL</u>					
18.1	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