

**ANNEX-B2****BOQ FOR CONSTRUCTION OF CLASS ROOM (20 X 14)**

<b>S.NO</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>
<b>JOB#1- CIVIL WORKS</b>			
<b><u>01</u></b>	<b>EXCAVATION</b>	<b>296</b>	<b>CFT</b>
	Excavation in foundation of buildings and bridges, including layout, dressing, refilling around structures with, excavated earth, watering & ramming lead upto 100 ft.,(30m) & lift upto 5 ft. (1.5m)		
<b><u>02</u></b>	<b>LEAN</b>	<b>37</b>	<b>CFT</b>
	Providing and laying plain hand mixed 1 : 4 : 8 cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including leveling, compacting & curing.		
<b><u>03</u></b>	<b>STEEL</b>		
<b><u>a</u></b>	Foundation and Columns	1.16	
<b><u>b</u></b>	Plinth Band	0.48	
<b><u>c</u></b>	Door Band	0.39	
<b><u>d</u></b>	Roof Beam	0.38	
<b><u>e</u></b>	Slab	1.11	
	<b>Total</b>	<b>3.520</b>	<b>TON</b>
<b><u>04</u></b>	<b>FOUNDATION BEAM AND FOOTING</b>	<b>139.50</b>	<b>CFT</b>
	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi-2000psi) including scaffolding, raking out		

	joints and curing in ground floor superstructure and i/c cost of testing with 1:3		
<b><u>05</u></b>	<b>FOUNDATION BRICKS</b>	<b>214.08</b>	<b>CFT</b>
	Providing and laying 1 : 2 : 4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.		
<b><u>06</u></b>	<b>COLUMN</b>	<b>81.00</b>	<b>CFT</b>
	Providing and laying <b>1:2:4 cement concrete</b> using approved coarse sand and crushed aggregate 3/4" (19mm.) and down gauge in <b>plinth band</b> , door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.		
<b><u>07</u></b>	<b>PLINTH BEAM</b>	<b>123.00</b>	<b>CFT</b>
	Providing and laying <b>first class solid burnt brick masonry (Brick Strength:1800psi-2000psi)</b> including scaffolding, raking out joints and curing in ground floor superstructure and i/c cost of testing <b>with 1:3</b>		
<b><u>08</u></b>	<b>BRICK</b>	<b>427.50</b>	<b>CFT</b>
	Providing and laying <b>1:2:4 cement concrete</b> using approved coarse sand and crushed aggregate 3/4" (19mm.) and down gauge in plinth band, <b>door band</b> and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.		
<b><u>09</u></b>	<b>DOOR BAND</b>	<b>81.00</b>	<b>CFT</b>
	Filling and compacting soil, earth and boulders behind retaining walls (including excavation of soil and lead upto 50 ft. (15m))		
<b><u>10</u></b>	<b>FILLING</b>	<b>432.00</b>	<b>CFT</b>
	<b>Providing and laying plain hand mixed 1 : 4 : 8 cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) &amp; down gauge in foundation and plinth including leveling, compacting &amp; curing.</b>		

		<b>144.00</b>	<b>CFT</b>
	Providing and laying <b>1:2:4 cement concrete</b> using approved coarse sand and crushed aggregate 3/4" (19mm.) and down gauge in plinth band, door band and <b>roof band</b> of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.		
<b><u>11</u></b>	<b>ROOF BEAM</b>	<b>100</b>	<b>CFT</b>
	Providing and laying <b>1:2:4 cement concrete</b> using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in <b>slabs</b> including formwork and its removal, compacting and curing Upto 6" (150 mm) thickness i) In basement, plinth and ground floor		
<b><u>12</u></b>	<b>SLAB 6" THICK WITH OUT PLASTER</b>	<b>229.50</b>	<b>CFT</b>
	<b>Cement plaster</b> using Coarse Sand on soffits of ceiling, cantilever slabs, sides and soffits of beams, in basement and ground floor including making edges, corners and curing. <b>1/2 inch (13mm)</b> thick cement sand plaster 1:4		
<b><u>13</u></b>	<b>CEILING PLASTER</b>	<b>480.00</b>	<b>SFT</b>
	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing. The mix ratio is 1:4 cement sand.		
<b><u>14</u></b>	<b>INSIDE PLASTER</b>	<b>968.00</b>	<b>SFT</b>
	Providing and laying <b>1:2:4 cement concrete</b> using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in <b>slabs</b> including formwork and its removal, compacting and curing Upto 6" (150 mm) thickness i) In basement, plinth and ground floor		
<b><u>15</u></b>	<b>FLOORING</b>	<b>158.40</b>	<b>CFT</b>
	Providing and laying Conglomerate flooring (two coat work) having 1/2" (9mm) thick wearing surface comprising 1 part of cement & 2 parts of stone chips		

	passing 3/16" sieve, over <b>1:3:6 concrete</b> base using crushed aggregate laid in panels or approved pattern including formwork, curing, and surface finishing as approved by Engineer Incharge. mortar.		
<b><u>16</u></b>	<b>PLINTH PROTECTION</b>	<b>55.00</b>	<b>CFT</b>
	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245, treated with special primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters standard lock-strike plate, one sliding bolt eye, and three rubber buffers, including cutting holes and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the Engineer		
<b><u>17</u></b>	<b>FRONT DOOR AND WINDOW FRAME</b>	<b>20.00</b>	<b>RFT</b>
	Providing and fixing <b>3" thick</b> First class approved wood (Keil) shutter fixed with wooden sheet and with approved nickle plated hinges and tower bolts Handle and handle Locks		
<b><u>18</u></b>	<b>DOOR</b>	<b>32.00</b>	<b>SFT</b>
	Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators ( <b>Deluxe model - 2mm</b> ) of anodized champagne or approved color of Prime, Chawala, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5 mm local tinted glass, lugs, cutting holes and making good the damages to walls.		
<b><u>19</u></b>	<b>WINDOWS</b>	<b>126.00</b>	<b>SFT</b>
	Providing and fixing windows steel gril of 12mm x 12 mm filled 18 guage with wire mesh on it fixed in wall cement in proper way not exposed to external wall of any approved section as approved by Engineer incharge including fittings, making good two coat of red oxide and two coat of oil paint without the damages to walls.		

<b><u>20</u></b>	<b>WINDWOS GRIL WITH WIRE MESH</b>	<b>126.00</b>	<b>SFT</b>
	Applying Matt finish including cost of coat premirer and wall patti and with approved brand (Berger, ICI or equivalent )synthetic polyvinyl emulsion finish of approved shade in two or more coats over and including the cost of priming coat including preparation of surface viz. dusting, sand papering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height and any floor. (@ atleast 2.20 Litre per 10 Sq.m) as per approved color and design		
<b><u>21</u></b>	<b>MATT FINISH PAINT INSIDE</b>	<b>480.00</b>	<b>SFT</b>
	Applying weather resistant paint coating such as ICI weather shield,Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10 as per approved color and design		
<b><u>22</u></b>	<b>WEATHER COAT OUT SIDE</b>	<b>714.00</b>	<b>SFT</b>
	<b>Painting</b> in ground floor or basement with Robbialac or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instruction on <b>wood work</b> over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted, filling cracks, holes and joints.		
<b><u>23</u></b>	<b>DOOR PAINT AND BLACK BOARD</b>	<b>50.00</b>	<b>SFT</b>
<b>JOB#3- ELECTRIFICATION</b>			
	Providing and installing 6 Nos of 25w Led Lights, 2 Nos of 56" DC Fan with each one attached to Solar Plate of 150w (with proper frame installed on roof ) with proper wiring in slab ceiling connection with lights and fans and 8 gange switches with automatic solar control regulartor for fan , installation complete in all respect.	1.00	JOB