

**PONDICHERRY UNIVERSITY  
ENGINEERING WING**

<b>Name of the work: Construction of Chiller room at Physics Department.</b>					
<b>Schedule of work</b>					
<b>S.No</b>	<b>Description</b>	<b>Qty</b>	<b>Rate</b>	<b>Unit</b>	<b>Amount</b>
<b>1</b>	<b>Code No: 2.8.1</b>				
	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms , lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed , within a lead of 50m -All kinds of	8.50		Cum	
<b>2</b>	<b>Code No: 2.27</b>				
	Supplying and filling in plinth with sand under floors including, watering, ramming consolidating and dressing complete.	2.00		Cum	
<b>3</b>	<b>Code No: 2.25</b>				
	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift upto 1.5m.	6.00		Cum	
<b>4</b>	<b>Code No: 4.1.10</b>				
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering.- All work upto plinth level -1:5:10 (1 cement:5coarse sand : 10 graded stone aggregate 40mm nominal size)	3.00		Cum	
<b>5</b>	<b>Code No: 4.11</b>				
	Providing and laying damp - proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	4.00		Sqm	
<b>6</b>	<b>Code No: 4.13</b>				
	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	4.00		Sqm	
<b>7</b>	<b>Code No: 5.3</b>				
	Reinforced cement concrete work in beams , suspended floors, roofs having slope upto 15 degree landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	3.00		Cum	
<b>8</b>	<b>Code No: 5.9.5</b>				
	Centring and shuttering including strutting, propping etc. and removal of form for: lintels, beams, plinth beams, girders, bressumers and cantilevers.- Using steel sheet with M.S.frames	14.00		Sqm	
<b>9</b>	<b>Code No: 5.9.3</b>				
	Centring and shuttering including strutting, propping etc. and removal of form for : suspended floors, roofs, landings , balconies and access platform - Using steel sheet with M.S.frames	15.00		Sqm	

<b>10</b>	<b>Code No: 5.22.7</b>				
	Reinforcement for R.C.C work including straightening , cutting , bending , placing in position and binding all complete - Thermo - Mechanically treated bars(ISI BRAND OF APPROVED MAKE) including placing the M30 grade Athees make cover block @ 60cm centre to centre	330.00			Kg
<b>11</b>	<b>Code No: 6.1.2</b>				
	Brick work with FPS bricks of class designation 35 in foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand)	5.50			Cum
<b>12</b>	<b>Code No: 6.4.2</b>				
	Brick work with FPS bricks of class designation 35 in superstructure above plinth level upto floor V level in all shapes and sizes in cement mortar 1:6 (1 cement : 6 coarse sand)	5.50			Cum
<b>13</b>	<b>Code No: 15.7.4</b>				
	Demolishing brick work, manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead - In cement mortar.	1.00			Cum
<b>14</b>	<b>Code No: 9.1.2P</b>				
	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position - Padak wood	0.20			Cum
<b>15</b>	<b>Code No: 9.21.2</b>				
	Providing and fixing ISI marked flush door shutters conforming to IS:2202 (Part 1) non- decorative type, core of block board construction with frame of 1 st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. - 30 mm thick including ISI marked stainless steel butt hinges with necessary screws	5.00			Sqm
<b>16</b>	<b>Code No: 9.9.1.2P</b>				
	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4mm thick float glass panes including black enamelled ISI marked MS butt hinges with necessary screws. - Padak teak wood -30mm thick	5.00			Sqm
<b>17</b>	<b>Code No: 9.48.2</b>				
	Providing and fixing M.S.grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc .all complete - fixed to openings / wooden frames with rawl plugs screws etc	200.00			Kg
<b>18</b>	<b>Code No: 9.53</b>				
	Providing 40x5 mm flat iron hold fast 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	20.00			Each
<b>19</b>	<b>Code No: 9.96.1</b>				
	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with nuts and screws etc.complete:- 300x16mm	2.00			Each

<b>20</b>	<b>Code No: 9.97.1</b>				
	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc.complete :- 300x10mm	4.00		Each	
<b>21</b>	<b>Code No: 9.97.4</b>				
	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc.complete :- 150x10mm	12.00		Each	
<b>22</b>	<b>Code Mo: 9.100.1</b>				
	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade as per 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc.complete :-125mm	4.00		Each	
<b>23</b>	<b>Code No: 9.100.2</b>				
	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade as per 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc.complete :-100mm	8.00		Each	
<b>24</b>	<b>Code No: 9.101.1</b>				
	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete - Twin rubber stopper	2.00		Each	
<b>25</b>	<b>Code No: 9.102</b>				
	Providing and fixing aluminium casement stays ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc.complete	6.00		Each	
<b>26</b>	<b>Code No: 11.3.1</b>				
	Cement concrete flooring 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40mm thick with 20mm nominal size stone aggregate.	12.00		Sqm	
<b>27</b>	<b>Code No: 11.13.1</b>				
	Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40mm wide and 4mm thick.	21.00		Rmt	
<b>28</b>	<b>Code No: 13.16.1</b>				
	6mm cement plaster of mix 1:3 (1 cement : 3 fine sand).	12.00		Sqm	
<b>29</b>	<b>Code No: 13.2.1</b>				
	15 mm cement plaster on rough side of single or half brick wall of mix - cement mortar 1:4 (1 cement : 4 fine sand)	45.00		Sqm	
<b>30</b>	<b>Code No: 13.3.1</b>				
	20mm cement plaster of mix 1:4 (1cement : 4 fine sand)	53.00		Sqm	
<b>31</b>	<b>Code No: 13.37.1</b>				
	White washing with lime to give on even shade - New work (three or more coats).	12.00		Sqm	

<b>32</b>	<b>Code No: 13.47.1</b>				
	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade - New work (Two or more coats applied @ 1.43 ltr / 10 sqm over and including base coat of water proofing cement paint applied @ 2.20 kg/10 sqm).	53.00		Sqm	
<b>33</b>	<b>Code No: 13.42.1</b>				
	Distemping with 1st quality acrylic washable distemper (ready made) of approved manufacturer and of required shade and colour complete, as per manufacturer specification - Two or more coats on new work.	45.00		Sqm	
<b>34</b>	<b>Code No: 13.50.1</b>				
	Applying priming coat - with ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood).	20.00		Sqm	
<b>35</b>	<b>Code No: 13.61.1</b>				
	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade - Two or more coats on new work.	20.00		Sqm	
<b>36</b>	<b>Code no:6.44</b>				
	Brick edging 7 cm wide 11.4 cm deep to plinth protection with bricks of class designation 35 including grouting with cement mortar 1:4 (1 cement: 4 fine sand).	14.00		Rmt	
<b>37</b>	<b>Code no:4.17</b>				
	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6graded stone aggregate 20mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	11.00		Sqm	
				<b>Total</b>	

I hereby abide by the rules & regulations stipulated in the CPWD form no:6 & 8

**Contractor**

**Assistant Engineer**