

| Name of the work: Construction of Marine Animal house. | | | | | |
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| Schedule of work | | | | | |
| Sl.No | Description | Qty | Rate | Unit | Amount |
| 1 | Code No: 2.8.1 | | | | |
| | 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 soil. | 32.00 | | Cum | |
| 2 | Code No: 4.1.10 | | | | |
| | 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) | 13.00 | | Cum | |
| 3 | Code No: 6.1.2 | | | | |
| | Brick work with FPS bricks of class designation 35 in foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand) | 21.00 | | Cum | |
| 4 | Code no:2.25 | | | | |
| | 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. | 12.00 | | Cum | |
| 5 | Code no:2.27B | | | | |
| | Supplying and filling with red earth (excluding rock) including cost and conveyance to the work site and stacking to the departmental gauge, spreading in layers not exceeding 20cm in depth, watering and consolidation using 0.5 tonne roller , or wooden or steel rammers etc.complete for making play fields, running tracks and court yards. | 12.00 | | Cum | |
| 6 | Code no:6.4.2 | | | | |
| | 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) | 42.75 | | Cum | |
| 7 | Code no:6.13.1 | | | | |
| | Half brick masonry with FPS bricks of class designation 35 in superstructure above plinth level upto floor V level in cement mortar 1:3 (1 cement: 3 coarse sand) | 5.00 | | Sqm | |
| 8 | Code no:6.15 | | | | |
| | Extra for providing and placing in position 2 nos. 6mm dia MS bars at every third course of half brick masonry (with FPS bricks) | 5.00 | | Sqm | |

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| 9 | Code No: 11.3.1 | | | | |
| | 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. | 42.00 | | Sqm | |
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| 10 | Code No: 11.13.1 | | | | |
| | Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40mm wide and 4mm thick. | 40.00 | | Rmt | |
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| 11 | Code No: 9.1.2P | | | | |
| | Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position - Padak wood | 0.15 | | Cum | |
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| 12 | Code No: 9.53 | | | | |
| | 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) | 12.00 | | Each | |
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| 13 | Code No: 5.3.1 | | | | |
| | 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 1:1.5:3 (1 cement :1.5 coarse sand : 3 graded stone aggregate 20mm nominal size). | 9.00 | | Cum | |
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| 14 | Code No: 4.5.1 | | | | |
| | Providing and fixing upto floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain windows sills, shelves, louvers, steps, stair cases etc., including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand) cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement : 3 fine sand) - 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size). | 1.00 | | Cum | |
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| 15 | Code No: 5.9.5 | | | | |
| | 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 | 56.00 | | Sqm | |
| 16 | Code No: 10.17 | | | | |
| | Providing and fixing M.S. fan clamp type I Each or II of 16mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs, beams during laying including painting the exposed portion of loop, all as per standard design complete. | 3.00 | | Each | |
| 17 | Code no:5.22.7 | | | | |
| | 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 | 1100 | | Kg | |
| 18 | Code No: 13.16.1 | | | | |
| | 6mm cement plaster of mix 1:3 (1 cement : 3 fine sand). | 50.00 | | Sqm | |
| 19 | Code No: 13.2.2 | | | | |
| | 15mm cement plaster on the rough side of single or half brick wall of mix: cement mortar 1:6 (1 cement : 6 fine sand) | 110.00 | | Sqm | |
| 20 | Code No: 13.3.2 | | | | |
| | 20mm cement plaster of mix cement mortar 1:6 (1 cement : 6 fine sand) | 180.00 | | Sqm | |
| 21 | Code No: 18.18.1.3 | | | | |
| | Providing and fixing ball valve (brass) of approved quality complete. high or low pressure with plastic floats - 25 mm nominal bore. | 2.00 | | Each | |
| 22 | Code No: 18.53.1 | | | | |
| | Providing and fixing CP brass angle valve for basin mixer and geyser points of approved quality conforming to IS 8931 - 15 mm nominal bore. | 3.00 | | Each | |
| 23 | Code No: 18.15.1 | | | | |
| | Providing and fixing brass bib cock of approved quality - 15 mm nominal bore. | 2.00 | | Each | |
| 24 | Code No: 18.21.2.1 | | | | |
| | Providing and fixing uplasticised PVC connection pipe with brass unions 45 cm length 15 mm nominal bore. | 3.00 | | Each | |
| 25 | Code No: 17.28.1.1 | | | | |
| | Providing and fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete - Semi rigid pipe - 32mm dia. | 2.00 | | Each | |

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| 26 | Code No: 17.2.1 | | | | |
| | Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever, conforming to IS: 7231, with all fittings and fixtures complete) including cutting and making good the walls and floors wherever required. W.C pan with ISI marked white solid plastic seat and lid. | 1.00 | | Each | |
| 27 | Code No: 17.7.3 | | | | |
| | Providing and fixing wash basin with CI brackets, 15mm CP brass pillar taps 32 mm CP brass waste of standard pattern including painting of fittings and brackets, cutting and making good the walls wherever required White vitreous china wash basin size 550x400mm with a pair of 15mm brass pillar taps. | 2.00 | | Each | |
| 28 | Code No: 13.60.1B | | | | |
| | Wall painting with plastic emulsion paint Premium of approved brand and manufacture to give an even shade - two or more coats on new work | 330.00 | | Sqm | |
| 29 | Code no: 12.41.2 | | | | |
| | Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion, (i) single socketed pipes. 110mm diameter. | 20.00 | | Rmt | |
| 30 | Code no: 12.42.5.2 | | | | |
| | Providing and fixing on wall face unplasticised- PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Bend 87.5deg. 110mm bend. | 8.00 | | Each | |
| 31 | Code No: 12.41.1 | | | | |
| | Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS: 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion, (i) single socketed pipes. 75mm diameter. | 9.00 | | Rmt | |
| 32 | Code No: 9.21.2 | | | | |
| | 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 | 2.00 | | Sqm | |

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| 33 | Code No: 9.120.1 - PSR 2011 -12 | | | | |
| | Providing and fixing to existing door frames - 30mm thick factory made solid panel PVC door shutter consisting of frame made out of M.S.tubes of 19 gauge thickness and size of 19mm x 19mm for stiles, top & bottom rails . M.S.frame shall have a coat of steel primers of approved make and manufacture M.S.frame covered with 5mm thick heat moulded PVC 'C channel of size 30mm thickness, 110mm width out of which 90mm shall be flat and 20mm shall be tapered in 45 drgree angle on either side forming stiles; and 5mm thick , 110mm wide PVC sheet out of which 90mm shall be flat and 20mm shall be tapered on the inner side to form top and bottom rail and 130mm wide PVC sheet out of which 90mm shall be flat and 20mm shall be tapered on both sides to form lock rail.Top bottom and lock rails shall be provided either side of the panel. 10mm(5mmx 2) thick , 20mm wide cross PVC sheet shall be provided as gap insert for top rail & bottom rail. Panelling of 5mm thick PVC sheet to be fitted in the M.S.frame welded/sealed to the stiles & rails with 7mm (5mm + 2mm) thick x 15mm wide PVC sheet bending on inner side , and joined together with solvent cement | 2.00 | | Sqm | |
| 34 | Code no:10.27 | | | | |
| | Supplying and fixing of steel grill work of m.s.angles,flats,squares and pipes including cost of welding charges, fixing in position in masonry walls with cement concrete 1:2:4 (1 cement : 2 course sand : 4 graded stone aggregate 12.5mm nnominal size) including one coat of priming coat etc. complete. | 100.00 | | Kg | |
| 35 | Code No: 18.8.3 | | | | |
| | Providing and fixing chlorinated polyvinyl chloride (CPVC) pipes having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fitting with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete (Concealed work including cutting chases and making good the walls etc.) - 25mm nominal outer dia pipes. | 21.00 | | Rmt | |
| 36 | Code No:5.18.2 | | | | |
| | Providing precast cement concrete jali 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including centring and shuttering , roughening cleaning , fixing and finishing in cement mortar 1:3 (1 cement : 3 fine sand) etc. complete excluding plastering of the jambs, sills and soffits - 40mm thick. | 3.00 | | Sqm | |
| 37 | Code no: MR. | | | | |
| | Providing and fixing PVC 110 x 75 PVC floor trap with stiff mixer of cement mortar 1:1 (1 cement: 1 fine sand) | 3.00 | | Each | |

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| 38 | Code No: 9.97.1 | | | | |
| | 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 | 2.00 | | Each | |
| 39 | Code No: 9.97.4 | | | | |
| | 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 | 2.00 | | Each | |
| 40 | Code No: 13.61.1 | | | | |
| | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade - Two or more coats on new work. | 10.00 | | Sqm | |
| 41 | Code No: 9.96.2 | | | | |
| | 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:- 250x16mm | 2.00 | | Each | |
| 42 | Code No: 9.100.1 | | | | |
| | 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 | |
| 43 | Code No: 8003A. Si No: 1357 | | | | |
| | Polyethylene water storage tank-upto 5000 litres (Sintex ISI) litre. | 10000 | | litre | |
| 44 | Code No: 12.20L | | | | |
| | Lime concrete terracing on roofs of required thickness laid to fall with 25mm nominal size brick aggregate and 50% lime mortar 1:2 (1 lime putty : 2 surkhi) rammed and finished with gur and belgiri treatment complete including rounding of junctions with parapet wall complete | 6.00 | | Cum | |
| 45 | Code No: 12.20 | | | | |
| | Providing and laying pressed clay tiles (as per approved pattern 18mm nominal thickness and of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% intergral water proofing compound laid over a bed of 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete. | 45.00 | | Sqm | |

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| 46 | Code No: 12.15.1 | | | | |
| | Painting top of roofs with bitumen of approved quality at 17kg per 10sqm impregnated with a coat of coarse sand at 60 cudm per 10 sqm including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete: With residual type petroleum bitumen of penetration 80/100. | 42.00 | | Sqm | |
| 47 | Code No: 12.21.1 | | | | |
| | Providing gola 75X75mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design: In 75X75mm deep chase. | 20.00 | | Rmt | |
| 48 | Code No: 12.22 | | | | |
| | Making khurras 45X45cm with average minimum thickness of 5cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over P.V.C. sheet 1mX1mx400micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edge and making and finishing outlet complete. | 3.00 | | Each | |
| 49 | Code No: 10.17 | | | | |
| | Providing and fixing M.S. fan clamp type I Each or II of 16mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs, beams during laying including painting the exposed portion of loop, all as per standard design complete. | 3.00 | | No | |
| 50 | Code No: 12.42.3.2 | | | | |
| | Providing and fixing on wall face unplasticised- PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Single Tee with door 110X110X110mm. | 3.00 | | No | |
| 51 | Code No: 12.42.3.1 | | | | |
| | Providing and fixing on wall face unplasticised- PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Single Tee with door 75X75X75mm. | 2.00 | | No | |

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| 52 | Code No: 19.30.1.1 | | | | |
| | Constructing brick masonry chamber for underground CI inspection chamber and bends with 75 class designation bricks in cement mortar 1:4 (1 cement: 4 coarse sand) CI cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C top slab with 1:2:4 mix (1 cement :2 coarse sand:4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement: 5 fine sand: 10 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design Inside dimensions 450 x 610 mm and 45 cm deep for single pipe line with F.P.S bricks. | 2.00 | | No | |
| 53 | Code No: 12.43.2 | | | | |
| | Providing and fixing unplasticised - PVC clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4(1 cement : 4 coarse sand) and making good the wall etc. complete. 110mm | 12.00 | | No | |
| | Total | | | | |

I hereby abide the rules and regulations stipulated in the CPWD form no. 6 & 8.

Contractor

Superintending Engineer