

## Abstract of Cost-Original Estimate

State महाराष्ट्र/Maharashtra

Branch सं.प्र.अनुभाग/EM Section

Name of Work : Upgradation of Dinnig Hall, Repairs to pantry near Board Room at IIG Panvel campus.

| ITEM No | CODE    | SUB-HEADS AND ITEM OF WORK   | QUANTITY | RATE (Rs)   | UNIT | AMOUNT (Rs) |    |
|---------|---------|--|----------|-------------|------|-------------|----|
| 1       | 4       | CEMENT CONCRETE (CAST IN SITU)   |          |             |      |             |    |
| 1.1     | 4.1     | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :   |          |             |      |             |    |
| 1.1.1   | 4.1.3   | 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)  | 0.2784   | 7,365.15    | cum  | 2,050.00    | SR |
|         |         | Sub-Total  |          |             |      | 2,050.00    |    |
| 2       | 9       | WOOD AND P. V. C. WORK   |          |             |      |             |    |
| 2.1     | 9.1     | Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).   |          |             |      |             |    |
| 2.1.1   | 9.1.1   | Second class teak wood   | 0.1      | 1,31,576.95 | cum  | 13,158.00   | SR |
| 2.2     | 9.7     | Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :            |          |             |      |             |    |
| 2.2.1   | 9.7.7   | Float glass panes  |          |             |      |             |    |
| 2.2.1.1 | 9.7.7.2 | 5.0 mm thick glass panes (weight not less than 12.50 kg/sqm).  | 0.6      | 2,231.20    | sqm  | 1,339.00    | SR |
| 2.3     | 9.78    | Providing and fixing bright finished brass night latch of approved quality including necessary screws etc. complete.   | 1        | 1,004.80    | each | 1,005.00    | SR |
| 2.4     | 9.81    | Providing and fixing bright finished brass handles with screws etc. complete:  |          |             |      |             |    |
| 2.4.1   | 9.81.2  | 100 mm   | 12       | 189.85      | each | 2,278.00    | SR |
| 2.5     | 9.126   | Providing and fixing 12 mm thick panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick. |          |             |      |             |    |
| 2.5.1   | 9.126.1 | Marine plywood conforming to IS: 710   | 102.11   | 2,100.40    | sqm  | 2,14,472.00 | SR |
|         |         | Sub-Total  |          |             |      | 2,32,252.00 |    |
| 3       | 12      | ROOFING  |          |             |      |             |    |



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| 3.1     | 12.45   | Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with : |          |           |      |             |
| 3.1.1   | 12.45.1 | 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)   | 41.3     | 1,145.95  | sqm  | 47,328.00   |
|         |         | Sub-Total   |          |           |      | 47,328.00   |
| 4       | 13      | FINISHING   |          |           |      |             |
| 4.1     | 13.26   | Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.   | 147.3    | 214.30    | sqm  | 31,566.00   |
| 4.2     | 13.43   | Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :  |          |           |      |             |
| 4.2.1   | 13.43.1 | Water thinnable cement primer   | 147.3    | 64.45     | sqm  | 9,493.00    |



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|---------|---------|---|----------|-----------|------|-------------|----|
| 4.3     | 13.60   | Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :   |          |           |      |             |    |
| 4.3.1   | 13.60.1 | Two or more coats on new work   | 147.3    | 137.85    | sqm  | 20,305.00   | SR |
|         |         | Sub-Total   |          |           |      | 61,364.00   |    |
| 5       | 21      | ALUMINIUM WORK  |          |           |      |             |    |
| 5.1     | 21.4    | Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.   |          |           |      |             |    |
| 5.1.1   | 21.4.1  | With stainless steel cover plate minimum 1.25 mm thickness  | 5        | 2,448.85  | each | 12,244.00   | SR |
|         |         | Sub-Total   |          |           |      | 12,244.00   |    |
| 6       | 26      | NEW TECHNOLOGIES AND MATERIALS  |          |           |      |             |    |
| 6.1     | 26.22   | Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595mm of approved texture, design and patterns as per CPWD Specification 2019, to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mmthick (galvanized @ 120 grams per sqm including both sides)comprising of main-T runners of size 24x38 mm of length 3000 mm,cross - T of size 24x32 mm of length 1200 mm and secondary intermediate cross-T of size 24x32 mm of length 600mm to formgrid module of size 600 x 600 mm, suspended from ceiling usinggalvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 12x50 mm long dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 76x25x25x1.6 mm fixed with grid and Z cleat of size 25x37x25x1.6mm thick with precut hole on both 25mm flange to pierce into 12x50mm or even bigger size dash fastener if require, fixed with Glavanised iron perimeter wall angle or size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450mm center to center and 40 mm long dry wall S.S screws. The workshall be carried out as per specifications, drawing and as per directionsof the Engineer-in-Charge. |          |           |      |             |    |
| 6.1.1   | 26.22.1 | With 15 mm thick Tegular edged light weight calcium slicate false ceiling tiles   | 28       | 1,777.50  | sqm  | 49,770.00   | SR |
|         |         | Sub-Total   |          |           |      | 49,770.00   |    |



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| 7       | 50      | NON SCHEDULE  |          |           |       |             |    |
| 7.1     | 50.42   | Providing & Fixing Shadely Brande Blinds of approved Design as per Engineer in Charge   | 7        | 1,829.20  | sqm   | 12,804.00   | MR |
| 7.2     | 50.43   | Providing & fixing in position carpet of make rosetta of sizes 14mm thick, Guage 5 /32 in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC) with Eco friendly Engineer-in-charge. | 95.06    | 3,012.00  | sqm   | 2,86,321.00 | MR |
| 7.3     | 50.44   | Providing & Fixing Cable Tray of G.I of approved qulaity as per direction of Enginner in Charge   | 18       | 1,377.60  | rmt   | 24,797.00   | MR |
| 7.4     | 50.45   | Providing & Fixing Copper Pipe for Ac in Conference Room for moving to appropriate position as per direction of Engineer in Charge  | 9.14     | 1,200.00  | metre | 10,968.00   | MR |
| 7.5     | 50.46   | Providing & Fixing Stainless Steel 'H' handle for Wooden shutter of approved brand as per direction of Engineer in charge of Length of 90 cm  | 1        | 3,500.00  | pair  | 3,500.00    | MR |
| 7.6     | 50.47   | Providing & Fixing Stainless Steel 'C' handle for Wooden shutter of approved brand as per direction of Engineer in charge of Length of 25 cm  | 5        | 980.00    | pair  | 4,900.00    | MR |
| 7.7     | 50.48   | Providing & Fixing Pop up Box for Conference table for connecting to different devices as per direction of Engineer in Charge   | 3        | 3,850.00  | each  | 11,550.00   | MR |
| 7.8     | 50.49   | Providing & Fixing Junction Boxes of G.I  | 3        | 650.00    | each  | 1,950.00    | MR |
| 7.9     | 50.50   | Providing & Fixing L Hinges of Stainless Steel  |          |           |       |             |    |
| 7.9.1   | 50.50.1 | 100 mm  | 24       | 120.00    | each  | 2,880.00    | MR |
|         |         | Sub-Total   |          |           |       | 3,59,670.00 |    |
|         |         | Total   |          |           |       | 7,64,678.00 |    |
|         |         | Add for revised GST @18% in place of 12% ie 6.33% on SR&DR Total 405008   |          |           |       | 25,637.01   |    |
|         |         | Total   |          |           |       | 7,90,315.01 |    |
|         |         | Add Cost Index @16% on SR&DR Total 430,645.01   |          |           |       | 68,903.20   |    |
|         |         | Total   |          |           |       | 8,59,218.21 |    |
|         |         | Add Contingencies @5% on SR&DR Total 499,548.21   |          |           |       | 24,977.41   |    |
|         |         | Grand Total   |          |           |       | 8,84,195.62 |    |
|         |         | Say   |          |           |       | 8,84,196.00 |    |

(Rupees Eight Lakh Eighty Four Thousand One Hundred Ninety Six only)

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