

Name of Work: Repair renovation and modernisation of Director room converted to conference hall at Directorate campus, A.H & Vety Deptt. Chenikuthi, Ghy-3

ESTIMATED AMOUNT: RS. 22,58,981.00

Sl.No	Item of Work	Quantity	Unit	Basic rate in figures to be entered by the bidder in Rs.	Total amount in figures in Rs.	Total amount in words
1	Demolishing CC floors of various thickness including top layer and base course and disposal of debris as directed for all levels.	4.21	Cum			
2	Demolishing the plastering from walls/ R.C.C. and P.C.C. members without causing any damage to the wall/ member upto any height including disposal of debris as directed for all levels.	3.66	Cum			
3	Dismantling and removing the existing door and window frame (chowkath) both wooden and steel of different sizes without damaging the walls and removing the frame and necessary repairs to the edges of the walls as directed for all levels. (i) Area of door/window up to 3.00 m <sup>2</sup>	7	Each			
4	Dismantling all types of ceiling, partition and wall lining and stacking the materials as directed by the department for all level	4.37	Sqm			
5	65 mm thick cement concrete floor consisting of 53 mm under layer of cement concrete in prop. 1:3:6 (1cement : 3 coarse sand : 6 coarse aggregate of 25mm and down) and 12 mm thick wearing coarse of cement sand plastering in prop. 1:2 laid in panels and finished with a floating coat of neat cement finish (using cement slurry for bond @ 2.75 kg. per square metre of floor area) including curing etc. complete as directed	4.21	Sqm			
6	Providing wood work in frame (chowkaths) of doors, windows,	0.240	Cum			

	clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250 mm) as per design embedded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified. (b) With 1st class timber (Bonsum/Sundi)					
7	Providing, fitting and fixing full paneled doors/ windows including oxidised M.S butt hinges (100mm x75 mm x3.55mm) with necessary screws(other fittings to be measured and paid separately) B) With 1st class local wood (ii) 35 mm thick.	3.78	Sqm			
8	Providing, fitting and fixing fully glazed window with sash bars including oxidised M.S butt hinges (75mmx 60mmx3.15mm) 2nos.on each leaf and 3 nos. on single leaf (glass panes to be measured and paid separately) B) With Holock/Gamari/Bonsum wood. (ii) 35mm thick	3.24	Sqm			
9	1st class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1st floor level (protruding M.S rod/Tor steel of column to be embedded in cement mortar and will be measured and paid separately) (A) 112mm thick brick wall (b) In cement mortar in proportion 1:5. (1 cement:5 sand)	13.32	Sqm			
10	15 mm thick Cement plaster in single coat on single or half brick wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80mm girth and finished even and smooth including curing complete as	99.74	Sqm			

	directed. B) On fair side c) In cement mortar 1:5					
11	Earthwork in excavation for foundation trenches of walls, retaining walls, footings of column, steps, septic tank etc. including refilling (return filling) the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified. (A) Up to a depth of 2.00m below the existing ground level. (b) In hard/ dense soil	21.60	Sqm			
12	Excavation in soil in Hilly Area by mechanical means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto 1000 meters	94.5	Cum			
13	Providing soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the subgrade as directed including all labour and materials and if necessary dewatering, complete. (c).Stone soling of thickness 150mm	18	Sqm			
14	Stone masonry work in retaining wall, wing wall, abutment, foundation, steps, plinth etc. in cement mortar in prop 1:6 with levelling course of 1:6:12 with both faces hammer dressed including bonding, providing face stone, through stone and centering including racking of joints, curing and supplying and all carriage of stone as directed including payment of forest royalty and sales tax and carriage (b) Coarse Rubble Masonry	43.80	Cum			
15	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing	2.7	Cum			

	steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately) (a) In prop 1cement: 3 sand :6 coarse aggregate by volume					
16	Providing and laying plain/reinforced cement concrete works cement, coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately) (A) In substructure up to plinth level Foundation, footing, columns with base tie and plinth beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick up to plinth level. a) M15 grade concrete or Prop. 1:2:4	6.888	Cum			
17	Providing and laying plain/reinforced cement concrete works cement, coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately) (B) In super structure from plinth level up to 1st floor level. i) Walls (thickness not less than 100mm) including attached pillasters, buttresses, plinth and string course etc. N) Without using admixture, plasticiser b) M20 grade concrete or Prop. 1:1.5:3	4.01	Cum			
18	Supplying, fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and	9.94	Qtl			

	bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (No extra measurement for lap, hook, chair, anchor etc. will be entertained in the measurement as they are included in the rate) (Upto 1st floor level) a) From Primary Producer: TATA/SAIL/ Jindal steel/Shyam steel/RINL (i) TMT Corrosion resistant steel (CRS) reinforcement bar					
19	Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0M and removal of the same for in-situ reinforced concrete and plain concrete work in: Foundation, footings, bases of columns, pile cap, raft and mass concrete works etc. (a) Using 38mm thick plank	19.71	Sqm			
20	Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0M and removal of the same for in-situ reinforced concrete and plain concrete work in: Columns, Pillars, Posts & Strut (a) Square, Rectangular, polygonal in plan or any shape like Tee/L etc. having plane vertical face (i) Using 38mm thick plank	17.82	Sqm			
21	Surface dressing of ground including removing vegetation and/ or undulation of ground not exceeding 150mm deep and disposal of rubbish outside the periphery and lift up to 1800mm in all kinds of soil	45.000	Sqm			

22	Cutting down trees where the building is to be constructed of girth exceeding 300mm, grubbing up roots, filling pits and leveling off ground lopping branches, trimming and removing to distance beyond 30m and stacking serviceable materials and cleaning site etc. as directed. i).Girth exceeding 300mm but not exceeding 1000mm	3.000	Each			
23	Earth work including excavation backfilling, grading and compacting with selected backfill soil in layers in reinforced Earth works as per technical specification and drawing (roads)	30.000	Cum			
24	Pointing on stone masonry with cement mortar including curing complete as directed.(Measurement shall be taken on surface area of the wall) c) Raised and Cut pointing	31.50	Sqm			
25	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7 (Roads)	30.000	Each			
26	20 mm thick Cement plaster in two coats on single or half brick walls for interior plastering up to 1st floor level including arises, internal rounded angles, chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth including curing complete as directed A) On rough side (backing coat 15 mm and finishing coat 5mm thick) b) In cement mortar 1:4	31.50	Sqm			
27	Providing pre-cast RCC slab over drain, septic tank etc in propm 2:4 reinforced with 10mm br @ 50mm centre both ways as directed (a) 100mm thick slab for kitchen	2.55	Sqm			

28	Providing VITRIFIED floor tiles of approved quality of specified size, shape and thickness not less than 18mm on floors, skirtings, risers and treads of steps over 15 mm thick base of cement mortar in prop. 1:3 (1 cement : 3 coarse sand ) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey/Sika/Pedelite/Rouf) / white cement slurry mixed with approved pigment to match shade of tiles, mixed with approved pigment to match the shade of the tiles, complete at all levels as specified and directed. (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department) (c) Delux Range (i) of size 1000mmx1000xx	7.30	Sqm			
29	Providing polished vitrified wall tiles of approved quality, size, shape and thickness not less than 8mm on walls and skirtings over cement mortar bed 10 mm thick in prop. 1:3 (1 cement : 3 coarse sand ) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey/Sika/Pedelite/Rouf)/white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (coloured pigment should be in conformity with colour of tiles and as approved and directed by the department).i) Of size 300mmx450 mm and above	11.550				
30	Ply wall panelling- providing and fixing timber frame work on the wall where regd of 25X50 mm section upto ceiling height and covered with 12 mm thick BWR plywood and finishing with 1 mm thick laminated sheet of approved design (Analysis rate)(Rs.5800)	78.390	Sqm			
31	c) Applying one coat of distemper primer of approved brand and	146.17	Sqm			

	manufacture on wall surface after thoroughly brushing the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth.					
32	f) Distempering with dry distemper of approved brand and manufacture(two coats)and of required shade on new wall surface to give an even shade, over and including priming coat of white primer after thoroughly brushing the surface free from mortar droppings and other foreign matter and including preparing surface even and sand papered smooth	146.17	Sqm			
33	Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matter sand papering and stopping. b). High gloss (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac).	12.60	Sqm			
34	Providing and fixing pin-headed glass 3mm thick bedded in putty and fixed with/without wooden bidding including necessary cutting and glass to be required sized(payment for wooden bead shall be made separately) (i). Area of glass panes not exceeding 0.15m <sup>2</sup>	2.63	Sqm			
35	Providing drain with brick work in cement mortar in proportion 1:5 with half brick thick side walls and 100mm thick C.C (1:3:6) base over one brick flat soling including 15mm thick cement plastering in prop. 1:3 finished with a floating coat of cement slurry as directed with necessary shttering for sides and earth work in excavation of	40.00	RM			



	foundation trenches and refilling the sides after completion of work etc. as specified. i). 300mm wide and average 150mm deep with bed slope 1 in 150 with initial depth of 100mm.					
36	Plain cement concrete apron in prop 1:4:8 with 20mm downgraded coarse agg. Over soling including neat cement finish using cement slurry 2.75Kg. of cement per sq.m. of floor (soling to be measured separately). (b) 50mm thick	20.00	Sqm			
37	Providing barge board of size 200mm x 20mm with 1st class local Hollock/ Bonsum timber including fitting and fixing with necessary wood screws etc. complete.	25.00	RM			
38	Providing fitting & fixing stainless steel kitchen sink of Parryware make with CI/MS brackets, C.P. brass chain with rubber plug, PVC waste pipe etc. complete including painting the fittings ,cutting &making good the walls wherever required. (Sink cock, stop cocks, waste coupling are to be paid separately (B) Nirali (vi) Grace Deluxe Medium (Bowl Size - 445 x 368 x 190) Glossy	1	Each			
39	Providing vitreous China wash basin with CI/MS brackets, C.P brass chain with plug,PVC waste pipe including painting of fittings and brackets, cutting and making good the walls wherever required. (Pillar cock, stop cocks, waste coupling are to be paid separately) A) Parryware Make (a) White (ix) Cardiff 580 x 450 (Cat. No.C0480/81, C0375) (white/coloured)	1.00	Each			
40	Supplying fitting and fixing approved uPVC Pipes of different sizes, with all necessary 'R' brand or similar approved uP.V.C. Fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting, clamps etc. complete at all levels including below G.L. as directed and specified A)	15.00	RM			

	Exposed or in trenches SUPREME/ PRINCE/ SFMC BRAND or other equivalent approved brand (High pressure pipe Sch-40) 32 mm dia					
41	Supplying fitting and fixing approved uPVC Pipes of different sizes, with all necessary 'R' brand or similar approved uP.V.C. Fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting, clamps etc. complete at all levels including below G.L. as directed and specified A) Exposed or in trenches SUPREME/ PRINCE/ SFMC BRAND or other equivalent approved brand (High pressure pipe Sch-40) 25 mm dia	20	RM			
42	Supplying fitting and fixing approved uPVC Pipes of different sizes, with all necessary 'R' brand or similar approved uP.V.C. Fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting, clamps etc. complete at all levels including below G.L. as directed and specified A) Exposed or in trenches SUPREME/ PRINCE/ SFMC BRAND or other equivalent approved brand (High pressure pipe Sch-40) 32 mm dia	15	RM			
43	Supplying fitting and fixing C.P. bib cock 15mm dia of approved brand as directed and specified. (G.I. & C.P pipes will be measured separately) (I) Essco make (Delux/Sumthing spl./Tropical) (a) Bib cock short body	5.00	Each			
44	Wiring for light/fan/call bell point with 2x1.5 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel or Equivalent Make as approved by the Deptt.) in surface/ recessed conduit wiring system with 20mm dia 2mm thick / heavy rigid PVC IS: 9537 Part - III conduit (Berlia/ AKG / Precision/	10.00	Each			

	Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) complete Short point up to 3.00 metre. length.					
45	Wiring for light/fan/call bell point with 2x1.5 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex/RR Kabel or Equivalent Make as approved by the Deptt.) in surface/ recessed conduit wiring system with 20mm dia 2mm thick / heavy rigid PVC IS: 9537 Part - III conduit (Berlia/AKG/Precision/ Presto Plast/Polycab/MW or equivalent make as approved by the Deptt.) complete Medium point up to 6.00 metre. Length.	8	Each			
46	Wiring for light/fan/call bell point with 2x1.5 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel or Equivalent Make as approved by the Deptt.) in surface/ recessed conduit wiring system with 20mm dia 2mm thick / heavy rigid PVC IS: 9537 Part - III conduit (Berlia/ AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) complete Long point up to 10.00 metre. Length.	6.00	Each			
47	Wiring to a 5 pin 6 Amps plug point with 1.5 sq. mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel or Equivalent Make as approved by the	5.00	Each			

	Deptt.) in surface/ recessed 2 mm thick/ heavy rigid ISI marked IS: 9537 PART - III rigid PVC conduit (Berlia/ AKG/Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) wiring system including earth continuity with 1.5 sq. mm. cable to third pin of the plug socket etc. as required complete. 2.12.1 Short point up to 3.00 metre. Length					
48	Wiring for 5/6 pin 16 Amps power plug point with 4 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel or Equivalent Make as approved by the Deptt.) in surface/ recessed conduit wiring system including earth continuity with 2.5 sq. mm cable to the 3rd pin of the socket as required complete with 20 mm. dia. 2mm thick/ heavy ISI marked IS: 9537 PART - III rigid PVC conduit (Berlia/ AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) Medium point up to 6.00 metre. Length.	4.00	Each			
49	Bosch Conference control unit	01	Nos			
50	Bosch gooseneck Chairman Unit	01				
51	Bosch gooseneck Delegates unit	11				
52	Bosch mixer amplifier	01				
53	Wall mount speakers 15/32 watt	04				
54	Aten HDMI switcher 4/1	01				
55	Aten popup box modular faceplate	02				
56	Molex HDMI / S cable 15 mtrs	02				
57	Jack, connectors Aprox	01				
58	D link 9U rack with PDU	01				
59	1KVA offline UPS half an hour backup	01				
60	L.G / Samsung 65 inch LED panel	01				
61	Commissioning and Installation	01				
62	Conference Table (Godrej)	01				
63	Chair (Godrej)	12				
<b>Total:</b>						

Amount in Figure