NIT.NO.26/EEC/CCW/AIR/CHN/NIT/2026-27						
Name of Work: Internal and External painting of Studio cum office building at AV, Ooty						
Name of the Contractor						
Sl No.	**DESCRIPTION**	**QTY**		**Rate**	**Unit**	**Amount**
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	600.00	sqm		sqm	0.00
2	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material.					
	a) Beyond 30 cm girth upto and including 60 cm girth	5.00	nos		each	0.00
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
	a) 1:2:4 (1 cement : 2 coarse M-sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	1.00	cum		cum	0.00
4	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:					
	a) 1:1.5:3 (1 cement : 1.5 coarse M-sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	0.70	cum		cum	0.00

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5	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, bufing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	50.00	kg		kg	0.00
6	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	7.00	nos		each	0.00
7	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:					
	a) New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	3200.00	sqm		sqm	0.00
8	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					
	a) Two or more coats on new work	650.00	sqm		sqm	0.00

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9	Painting with bituminous anticorrosive multi propose aluminium paint of approved brand and manufacture to give an even shade as per the direction of Engineer-in-charge					
	a) Two or more coats on new work	380.00	sqm		sqm	0.00
10	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.					
	a) Two coats	2500.00	sqm		sqm	0.00
11	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.					
	a) With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	250.00	sqm		sqm	0.00
12	6 mm plaster on cement concrete or reinforced cement concrete work with white cement based polymer modified self curing mortar of approved make as per the direction of Engineer-In-Charge.	20.00	sqm		sqm	0.00
13	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	3150.00	sqm		sqm	0.00
14	French spirit polishing :					
	a) One or more coats on old work	440.00	sqm		sqm	0.00

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15	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.					
	a) With cement mortar 1:4 (1 cement : 4 fine sand)	20.00	sqm		sqm	0.00
16	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:					
	a) Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm)	2.00	sqm		sqm	0.00
17	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.	260.00	sqm		sqm	0.00

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18	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3 mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ litre and viscocity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc, and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/ 450N/ 5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane :					
	a) 3 mm thick	380.00	sqm		sqm	0.00
19	Demolishing lime concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineer- in-charge.	1.05	cum		cum	0.00
20	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :					
	a) 100 mm dia pipe	49.00	metre		metre	0.00
21	Cutting holes up to 30x30 cm in walls including making good the same:					
	a) With common burnt clay F.P.S. (non modular) bricks	7.00	nos		each	0.00

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22	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge					
	a) 25 mm average thickness	20.00	sqm		sqm	0.00
23	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer- In-charge complete in all respect.					
	a) SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer	20.00	sqm		sqm	0.00
24	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75 mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2).					
	a) 25 mm average thickness in 2 layers.	20.00	sqm		sqm	0.00

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25	Fixing double scaffolding system (cup lock type) **(LABOUR WORK)** by removing and refixing the existing steel double scaffolding for execution of work on the exterior side of building / structure up to 25m height above ground level as per requirement of site. The scaffolding system shall be stiffened with bracing, runners, connection with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions of Engineer-in-charge.	260.00	sqm		sqm	0.00
26	Shifting the almirah, file racks, furnitures etc. from office rooms and taking out all the items from the cupboards and keeping in designated place without damaging the above items and replacing the same at the position kept earlier complete as per the direction of Engineer-in-charge .	10.00	rooms		Per room	0.00
27	Removing the existing damaged APP sheets and cleaning of bituminous patches fully with kerosene/Diesel from the cement surface so as to receive further coating of elastomeric water proofing and disposal of APP sheets within 50m lead from the building etc., all complete as per the directions of the Engineer in charge.	380.00	sqm		sqm	0.00
28	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 10 mm gap for thermal expansion, (i) Single socketed pipes.					
	a) 160 mm diameter	49.00	metre		metre	0.00

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29	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 10 mm gap for thermal expansion as per the direction of Engineer-in-charge					
	a) Single tee with door					
	(i) 160x160x160 mm	7.00	nos		each	0.00
	b) Shoe (Plain)					
	(i) 160 mm Shoe	7.00	nos		each	0.00
	c) cowl					
	(i) 160 mm Shoe	7.00	nos		each	0.00
30	Providing and fixing G.I step clamp including base clamp, U clamp & bolts and nuts etc., of approved design to unplasticise- PVC rain water pipes complete as per the direction of the Engineer-in-charge.					
	a) 160mm dia pipe	42.00	nos		each	0.00
						0.00